

Е 1.2.1 а:

Научни публикации в списания, индексирани от WoS или Scopus, които оглавяват ранглистата в съответната научна област (първите две за интердисциплинарни науки) (публикувани)

- **Звено:** (ИМИ) Институт по математика и информатика
- **Тип на публикацията:**
 - Глава от научна монография
 - Студия в научно списание
 - Статия в научно списание
 - Статия в сборник на научен форум
 - Студия в тематичен сборник
 - Статия в тематичен сборник
 - Научно съобщение
- **Статус на изданието:** Q1 - оглавява ранглистата
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригирац Коефициент	Процент автори от звеното
1	Zaevski, Ts. . Perpetual game options with a multiplied penalty. Communications in Nonlinear Science and Numerical Simulation, 85, Elsevier, 2020, ISSN:1007-5704, DOI: https://doi.org/10.1016/j.cnsns.2020.105248 ., 105248. SJR (Scopus):1.299, JCR-IF (Web of Science):4.115 Q1 - оглавява ранглистата (Web of Science) Линк	1.000	100.00
Коригиран брой: 1.000			

Е 1.2.2 а:

Научни публикации в списания, индексирани от WoS или Scopus, които попадат в категория Q1, но не оглавяват ранглистата (публикувани)

- **Звено: (ИМИ) Институт по математика и информатика**
- **Тип на публикацията:**
 Глава от научна монография
 Студия в научно списание
 Статия в научно списание
 Статия в сборник на научен форум
 Студия в тематичен сборник
 Статия в тематичен сборник
 Научно съобщение
- **Статус на изданието:** Q1, не оглавява ранглистата
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Alexandrova, T., Boyvalenkov, P., Dimitrov, A. Binary (k,k)-designs. Mathematics, 8, 11, MDPI, 2020, ISSN:2227-7390, DOI:10.3390/math8111883, 1883. SJR (Scopus):0.299, JCR-IF (Web of Science):1.747 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	66.67
2	Andonov, V., Poryazov, S., Saranova, E. Generalized net representations of the causal structure of a queuing system. Proc. of the 10th International IEEE conference on Intelligent Systems IEEE IS'20, 26-28 June, 2020, Varna, Bulgaria, IEEE, 2020, ISSN:1541-1672, DOI:10.1109/IS48319.2020.9199942, 80-86. SJR (Scopus):1.542 Q1, не оглавява ранглистата (Scopus) Линк	1.000	100.00
3	Bivas, M., Krastanov, M., Ribarska, N. On strong tangential transversality. Journal of Mathematical Analysis and Applications, 490, 1, Elsevier, 2020, ISSN:0022-247X, DOI:https://doi.org/10.1016/j.jmaa.2020.124235, 124235. SJR (Scopus):1.021, JCR-IF (Web of Science):1.22 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
4	Bivas, M., Krastanov, M., Ribarska, N. On tangential transversality. Journal of Mathematical Analysis and Applications, 481, 1, Elsevier, 2020, ISSN:0022-247X, DOI:https://doi.org/10.1016/j.jmaa.2019.123445, 123445. SJR (Scopus):1.021, JCR-IF (Web of Science):1.22 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
5	Borisov, M. K., Dimitrova, N. S., Krastanov, M. I. Global stabilizability of an anaerobic biodegradation process via piecewise constant feedback. International Journal of Robust and Nonlinear Control, 30, 7, John Wiley & Sons Ltd, 2020, ISSN:1049-8923 (Print), 1099-1239 (Online), DOI:http://dx.doi.org/10.1002/rnc.4914, 2777-2795. SJR (Scopus):1.631, JCR-IF (Web of Science):3.503 Q1, не оглавява ранглистата Линк	1.000	100.00
6	Borisov Yu., Borisov L. A note on the distinctness of some Kloosterman sums. Cryptography and Communications, 12, 5, 2020, ISSN:19362447, DOI:https://doi.org/10.1007/s12095-020-00443-1, 1051-1056. SJR (Scopus):0.816, JCR-IF (Web of Science):1.291 Q1, не оглавява ранглистата (Scopus) Линк	1.000	100.00
7	Bouyukliev, I., Cheon, E.J., Maruta, T., Okazaki, T. On the (29, 5)-Arcs in PG(2, 7) and Some Generalized Arcs in PG(2, q). Mathematics, 8, 3, MDPI, 2020, ISSN:22277390, DOI:https://doi.org/10.3390/math8030320, SJR (Scopus):0.299, JCR-IF (Web of Science):1.747 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00
8	Boyvalenkov, P., Chervyakov, N., Lyakhov, P., Semyonova, N., Nazarov, A., Valueva, M., Boyvalenkov, G., Bogaevskiy, D., Kaplun, D. Classification of Moduli Sets for Residue Number Systems with Special Diagonal Functions. IEEE Access, 8, IEEE, 2020, ISSN:2169-3536, DOI:10.1109/ACCESS.2020.3019452, 156104-156116. SJR (Scopus):0.775, JCR-IF (Web of Science):3.745 Q1, не оглавява ранглистата (Scopus) Линк	1.000	11.11
9	Boyvalenkov, P., Dragnev, P., Hardin, D., Saff, E., Stoyanova, M. Upper bounds for energies of spherical codes of given cardinality and separation. Designs, Codes and Cryptography, 88, Springer, 2020, ISSN:0925-1022, DOI:10.1007/s10623-020-00733-y, 1811-1826. SJR (Scopus):1.174, JCR-IF (Web of Science):1.524 Q1, не оглавява ранглистата (Scopus) Линк	1.000	20.00

10	Davidov, J. . Product twistor spaces and Weyl geometry. Proceedings of the American Mathematical Society, 148, 8, American Mathematical Society, 2020, ISSN:0002-9939, DOI: https://doi.org/10.1090/proc/14700 , 3491-3506. SJR (Scopus):0.957, JCR-IF (Web of Science):0.927 Q1, не оглавява ранглистата (Scopus) Линк	1.000	100.00
11	Dimitrov, M., Baicheva, T., Nikolov, N. . Efficient Generation of Low Autocorrelation Binary Sequences. IEEE Signal Processing Letters, 27, 1, IEEE, 2020, ISSN:Print ISSN: 1070-9908 Online ISSN: 1558-2361, DOI:10.1109/LSP.2020.2972127, 341-345. SJR (Scopus):1.15, JCR-IF (Web of Science):3.105 Q1, не оглавява ранглистата (Scopus) Линк	1.000	66.67
12	Dimitrov, M., Baicheva, T., Nikolov, N. . On the Generation of Long Binary Sequences With Record-Breaking PSL Values. IEEE Signal Processing Letters, 27, Institute of Electrical and Electronics Engineers Inc., 2020, ISSN:Print: 1070-9908 Online: 1558-2361, DOI:10.1109/LSP.2020.3031463, 1904-1908. SJR (Scopus):1.15, JCR-IF (Web of Science):3.105 Q1, не оглавява ранглистата (Scopus) Линк	1.000	66.67
13	Dimitrov, M. . On the Design of Chaos-Based S-Boxes. IEEE Access, 8, IEEE, 2020, ISSN:2169-3536, DOI:10.1109/ACCESS.2020.3004526, 117173-117181. SJR (Scopus):0.78, JCR-IF (Web of Science):3.745 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
14	Dimova M., Kolkovska N., Kutev N. . Global behavior of the solutions to nonlinear Klein-Gordon equation with supercritical energy. Journal of Mathematical Analysis and Applications, 487, 2, Elsevier, 2020, ISSN:10960813, DOI: https://doi.org/10.1016/j.jmaa.2020.124029 , 124029. SJR (Scopus):1.021, JCR-IF (Web of Science):1.22 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
15	Dontchev, A.L., Kolmanovsky, I.V., Krastanov, M.I, Veliov, V.M., Vuong, P.T. . Approximating optimal finite horizon feedback by model predictive control. Systems & Control Letters, 139, Elsevier, 2020, ISSN:0167-6911, DOI: https://doi.org/10.1016/j.sysconle.2020.104666 , 104666. SJR (Scopus):1.79, JCR-IF (Web of Science):2.762 Q1, не оглавява ранглистата (Scopus) Линк	1.000	60.00
16	Drensky, V., Findik, Ş., Ögüüslü, N. Ş. . Symmetric polynomials in the free metabelian Lie algebras. Mediterranean Journal of Mathematics, 17, 5, Birkhauser, 2020, ISSN:16605446, DOI:10.1007/s00009-020-01582-8, Art. 151. SJR (Scopus):0.573, JCR-IF (Web of Science):1.216 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
17	Drensky, V. . Generalized Nowicki conjecture. Proc. AMS, 148, 9, Amer. Math. Soc., 2020, ISSN:00029939, DOI:10.1090/proc/15068, 3705-3711. SJR (Scopus):0.957, JCR-IF (Web of Science):0.927 Q1, не оглавява ранглистата (Scopus) Линк	1.000	100.00
18	Georgieva, I., Harizanov, S., Hofreither, C. . Iterative low-rank approximation solvers for the extension method for fractional diffusion. Computers & Mathematics with Applications, 80, 2, Elsevier, 2020, ISSN:08981221, DOI: https://doi.org/10.1016/j.camwa.2019.07.016 , 351. SJR (Scopus):1.21, JCR-IF (Web of Science):3.37 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	66.67
19	Ivanov, K. G., Petrushev, P. . Nonlinear n-term approximation of harmonic functions from shifts of the Newtonian kernel. Trans. Amer. Math. Soc., 373, 5, American Mathematical Society, 2020, ISSN:0002-9947, DOI:10.1090/tran/8071, 3117-3176. SJR (Scopus):2.022, JCR-IF (Web of Science):1.363 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
20	Ivanova, T. . Extended Contact Algebras and Internal Connectedness. Studia Logica, 108, 2, Springer Netherlands, 2020, ISSN:00393215, DOI: https://doi.org/10.1007/s11225-019-09845-6 , 239-254. SJR (Scopus):0.654, JCR-IF (Web of Science):0.674 Q1, не оглавява ранглистата (Scopus) Линк	1.000	100.00
21	Kassabov, O., Milousheva, V. . Weierstrass Representations of Lorentzian Minimal Surfaces in R^4_2 . Mediterranean Journal of Mathematics, 17, 6, 2020, ISSN:1660-5446, DOI:10.1007/s00009-020-01636-x, 199. SJR (Scopus):0.573, JCR-IF (Web of Science):1.216 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
22	Kiryakova, V. . Unified Approach to Fractional Calculus Images of Special Functions - A Survey. Mathematics, 8, 12, MDPI, 2020, ISSN:2227-7390, DOI:10.3390/math8122260, 1-35. SJR (Scopus):0.299, JCR-IF (Web of Science):1.747 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
23	Kounchev, O., Render, H., Tsachev, Ts. . On a class of L-splines of order 4: Fast Algorithms for Interpolation and Smoothing. BIT Numerical Mathematics, 60, Springer, 2020, ISSN:ISSN:0006-3835 E-ISSN:1572-9125, DOI: https://doi.org/10.1007/s10543-020-00801-8 , 879-899. SJR (Scopus):0.868, JCR-IF (Web of Science):1.33 Q1, не оглавява ранглистата (Scopus) Линк	1.000	66.67
24	Krastanov, M. I., Nikolova, M. N. . A necessary condition for small-time local controllability. Automatica, 124, Elsevier, 2020, ISSN:0005-1098, DOI: https://doi.org/10.1016/j.automatica.2020.109258 , Art.109258. SJR (Scopus):3.98, JCR-IF (Web of Science):5.541 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
25	Kutzarova, D., Motakis, P. . Asymptotically symmetric spaces with hereditarily non-unique spreading models. Proc. Amer. Math. Soc., 148, 4, 2020, ISSN:0002-9939, DOI: https://doi.org/10.1090/proc/14855 , 1697-1707. SJR (Scopus):0.957, JCR-IF (Web of Science):0.927 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00

26	Landjev, I., Rousseva, A. The geometric approach to the existence of some Griesmer codes. Designs, Codes and Cryptography, 88, Springer, 2020, ISSN:0925-1022, DOI:DOI 10.1007/s10623-020-00777-0, 1925-1940. SJR (Scopus):1.174, JCR-IF (Web of Science):1.524 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
27	Mutafchiev, L.R. Savov, M. On the maximal multiplicity of block sizes in a random set partition. Random Structures and Algorithms, 56, 3, Wiley, 2020, ISSN:1042-9832, DOI:10.1002/rsa.20891, 867-891. SJR (Scopus):0.946, JCR-IF (Web of Science):1.047 Q1, не оглавява ранглистата (Scopus) Линк	1.000	100.00
28	Nikolov, N., Thomas, P. J. An analogue of the squeezing function for projective maps. Annali di Matematica Pura ed Applicata, 199, 5, 2020, ISSN:0373-3114, DOI:10.1007/s10231-020-00947-w, 1885-1894. SJR (Scopus):1.281, JCR-IF (Web of Science):0.959 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
29	Nikolov, N., Trybula, M. Estimates for the squeezing function near strictly pseudoconvex boundary points with applications. Journal of Geometric Analysis, 30, 2, 2020, ISSN:1050-6926, DOI:10.1007/s12220-019-00348-3, 1359-1365. SJR (Scopus):1.662, JCR-IF (Web of Science):0.924 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
30	Nikolov, N., Verma, K. On the squeezing function and Fridman invariants. Journal of Geometric Analysis, 30, 2, 2020, ISSN:1050-6926, DOI:10.1007/s12220-019-00237-9, 1218-1225. SJR (Scopus):1.662, JCR-IF (Web of Science):0.924 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
31	Popova, E.D. New parameterized solution with application to bounding secondary variables in FE models of structures. Applied Mathematics and Computation, 378, Elsevier, 2020, ISSN:0096-3003, DOI:10.1016/j.amc.2020.125205, 125205. SJR (Scopus):0.97, JCR-IF (Web of Science):3.472 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
32	Poryazov, S., Andonov, V., Saranova, E. Traffic quality aggregations of a queuing system. Proc. of the 10th International IEEE conference on Intelligent Systems IEEE IS'20, 26-28 June, 2020, Varna, Bulgaria, IEEE, 2020, ISSN:1541-1672, DOI:10.1109/IS48319.2020.9199839, 102-110. SJR (Scopus):1.542 Q1, не оглавява ранглистата (Scopus) Линк	1.000	100.00
33	Savov MI., Br. Toaldo. Semi-Markov processes, integro-differential equations and anomalous diffusion-aggregation. Annales de l'Institut Henri Poincaré, Probabilités et Statistiques, 56, 4, Institut Henri Poincaré, 2020, ISSN:0246-0203, DOI:10.1214/20-AIHP1053, 2640-2671. SJR (Scopus):1.895, JCR-IF (Web of Science):1.254 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
34	Slavova A., P. Popivanov. Explicit solutions of some equations and systems of mathematical physics. Advances in Difference Equations, 2020, 592, Springer, 2020, ISSN:1687-1847, DOI:https://doi.org/10.1186/s13662-020-03031-y, 284-298. SJR (Scopus):0.677, JCR-IF (Web of Science):2.421 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
35	Tersian, S. Infinitely Many Homoclinic Solutions for Fourth Order p-Laplacian Differential Equations. Mathematics, 8, 4, MDPI, 2020, ISSN:2227-7390, DOI:10.3390/math8040505, 505. SJR (Scopus):0.299, JCR-IF (Web of Science):1.747 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
36	Todorov V., I. Dimov, R. Georgieva, S. Dimitrov. Adaptive Monte Carlo algorithm for Wigner kernel evaluation. Neural Computing and Applications, 32, 14, Springer, 2020, ISSN:0941-0643, DOI:10.1007/s00521-019-04519-9, 9953-9964. SJR (Scopus):0.796, JCR-IF (Web of Science):4.774 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00
37	Todorov V., Kandilarov J, Dimov I, Vulkov L. High Accuracy Numerical Methods for a Parabolic System in Air Pollution Modelling. Neural Computing and Applications, 32, 10, Springer, 2020, ISSN:0941-0643, DOI:https://doi.org/10.1007/s00521-019-04088-x, 6025-6040. JCR-IF (Web of Science):4.774 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00
38	Yanev, G.P. Exponential and Hypoexponential Distributions: Some Characterizations. MATHEMATICS, 8, 12, MDPI, Switzerland, 2020, ISSN:2227-7390, DOI:10.3390/math8122207, Art. 2207. SJR (Scopus):0.299, JCR-IF (Web of Science):1.747 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
39	Zaevski Ts. Discounted perpetual game put options. Chaos, Solitons & Fractals, 137, Elsevier, 2020, ISSN:ISSN 0960-0779, DOI:https://doi.org/10.1016/j.chaos.2020.109858, 109858. SJR (Scopus):1.036, JCR-IF (Web of Science):3.764 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
40	Zaevski, Ts. Discounted perpetual game call options. Chaos, Solitons & Fractals, 131, Elsevier, 2020, ISSN:0960-0779, DOI:https://doi.org/10.1016/j.chaos.2019.109503, 109503. SJR (Scopus):1.036, JCR-IF (Web of Science):3.764 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
41	Agrawal, P., Raoof, A., Iliev, O., Wolthers, M. Evolution of pore-shape and its impact on pore conductivity during CO2 injection in calcite: Single pore simulations and microfluidic experiments. Advances in Water Resources, 136, Elsevier, 2020, ISSN:0309-1708, DOI:10.1016/j.advwatres.2019.103480, 103480. SJR (Scopus):1.54, JCR-IF (Web of Science):4.016 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00

42	Anderson, D. D., Danchev, P. V. . A note on a theorem of Jacobson related to periodic rings. Proc. Amer. Math. Soc., 148, 12, 2020, ISSN:0002-9939, DOI:10.1090/proc/15246, 5087-5089. SJR (Scopus):0.957, JCR-IF (Web of Science):0.927 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
43	Blázquez-Salcedo, J, Doneva, D.D., Kahlen, S, Kunz, J, Nedkova, P, Yazadjiev, S. Polar quasinormal modes of the scalarized Einstein-Gauss-Bonnet black holes. Phys. Rev. D, 102, 2, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.102.024086, 024086. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	16.67
44	Blázquez-Salcedo, J, Doneva, D.D., Kahlen, S, Kunz, J, Nedkova, P, Yazadjiev, S. Axial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. Phys. Rev. D, 101, 10, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.101.104006, 104006. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	16.67
45	Bruneau, V., Raikov, G. Threshold singularities of the spectral shift function for geometric perturbations of magnetic Hamiltonians. Annales Henri Poincaré, 21, 5, Springer, 2020, ISSN:1424-0637, DOI:10.1007/s00023-020-00904-6, 1451-1488. SJR (Scopus):1.214, JCR-IF (Web of Science):1.489 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
46	Buedo-Fernández, S., Labora, D.C., Rodríguez-López, R., Tersian, S.A. Analysis of the Sign of the Solution for Certain Second-Order Periodic Boundary Value Problems with Piecewise Constant Arguments. Mathematics, 8, 11, MDPI, 2020, ISSN:2227-7390, DOI:10.3390/math8111953, 1-34. SJR (Scopus):0.299, JCR-IF (Web of Science):1.747 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00
47	Cárdenas, E., Raikov, G. , Tejeda, I.. Spectral properties of Landau Hamiltonians with non-local potentials. Asymptotic Analysis, 120, 3-4, IOS Press, 2020, ISSN:0921-7134, DOI:10.3233/ASY-191591, 337-371. SJR (Scopus):0.899, JCR-IF (Web of Science):0.682 Q1, не оглавява ранглистата (Scopus) Линк	1.000	33.33
48	Collodel, L, Doneva, D.D., Yazadjiev, S. Rotating tensor-multi-scalar solitons. Phys. Rev. D, 101, 4, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.101.044021, 044021. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
49	Collodel, L, Doneva, D.D., Yazadjiev, S. Rotating tensor-multiscalar black holes with two scalars. Phys. Rev. D, 102, 8, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.102.084032, 084032. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
50	Danchev, V, Doneva, D.D., Yazadjiev, S. Slowly rotating topological neutron stars -- universal relations and epicyclic frequencies. Eur Phys J C, 80, Springer Nature, 2020, ISSN:14346052, DOI:10.1140/epjc/s10052-020-08473-y, 878. SJR (Scopus):1.763, JCR-IF (Web of Science):4.389 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
51	Dilworth, S.J., Kutzarova, D. , Ostrovskii, M.. Lipschitz free spaces on finite metric spaces. Canadian J. Math., 72, 3, Cambridge University Press, 2020, ISSN:ISSN: 0008-414X (Print), 1496-4279 (Online), DOI:https://doi.org/10.4153/S0008414X19000087, 774-804. SJR (Scopus):1.171, JCR-IF (Web of Science):0.881 Q1, не оглавява ранглистата (Scopus) Линк	1.000	33.33
52	Dimitrov, N. D., Tersian, S. Existence of homoclinic solutions for a nonlinear fourth order p-Laplacian difference equation. Discrete and Continuous Dynamical Systems - Series B, 25, 2, American Institute of Mathematical Sciences, 2020, ISSN:1531-3492, DOI:10.3934/dcdsb.2019254, 555-567. SJR (Scopus):0.816, JCR-IF (Web of Science):1.27 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
53	Domokos, M., Drensky, V. Cocharacters for the weak polynomial identities of the Lie algebra of 3×3 skew-symmetric matrices. Advances in Mathematics, 374, 2020, ISSN:00018708, DOI:10.1016/j.aim.2020.107343, SJR (Scopus):2.342, JCR-IF (Web of Science):1.494 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
54	Doneva, D.D., Yazadjiev, S.S. Topological neutron stars in tensor-multi-scalar theories of gravity. Phys. Rev. D, 101, 6, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.101.064072, 064072. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
55	Doneva, D.D., Yazadjiev, S. , Kokkotas, K. Stability of topological neutron stars. Phys. Rev. D, 102, 4, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.102.044043, 044043. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
56	Doneva, D.D., Yazadjiev, S. No-hair theorems for noncanonical self-gravitating static multiple scalar fields. Phys. Rev. D, 102, 8, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.102.084055, 084055. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
57	Doneva, D.D., Yazadjiev, S. Nontopological spontaneously scalarized neutron stars in tensor-multiscalar theories of gravity. Phys. Rev. D, 101, 10, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.101.104010, 104010. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00

58	Doneva, D.D., Collodel, L, Krüger, C, Yazadjiev, S. Black hole scalarization induced by the spin – 2+1 time evolution. Phys. Rev. D, 102, 10, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.102.104027, 104027. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00
59	Doneva, D.D., Staykov, K, Yazadjiev, S. , Zheleva, R. Multiscalar Gauss-Bonnet gravity: Hairy black holes and scalarization. Phys. Rev. D, 102, 6, American Physical Society, 2020, ISSN:24700029, DOI:10.1103/PhysRevD.102.064042, 064042. SJR (Scopus):1.664, JCR-IF (Web of Science):4.833 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00
60	Gyulchev, G, Kunz, J, Nedkova, P, Vetsov, T, Yazadjiev, S. Observational signatures of strongly naked singularities: image of the thin accretion disk. Eur Phys J C, 80, Springer Nature, 2020, ISSN:14346052, DOI:10.1140/epjc/s10052-020-08575-7, 1017. SJR (Scopus):1.763, JCR-IF (Web of Science):4.389 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	20.00
61	Kolb, M., Savov, M. A characterization of the finiteness of perpetual integrals of Lévy processes. Bernoulli, 26, 2, Bernoulli Society for Mathematical Statistics and Probability, 2020, ISSN:1350-7265, DOI:10.3150/19-BEJ1167, 1453-1472. SJR (Scopus):1.993, JCR-IF (Web of Science):1.496 Q1, не оглавява ранглистата (Scopus) Линк	1.000	50.00
62	Li, L., Tersian, S. Fractional problems with critical nonlinearities by a sublinear perturbation. Fractional Calculus and Applied Analysis, 23, 2, De Gruyter, 2020, ISSN:1311-0454, DOI:10.1515/fca-2020-0023, 484-503. SJR (Scopus):1.858, JCR-IF (Web of Science):3.17 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00
63	Shivarov, V., Petrov, P. , Pashov, A.. Potential SARS-CoV-2 Preimmune IgM Epitopes. Frontiers in Immunology, 11, 2020, ISSN:1664-3224, DOI:10.3389/fimmu.2020.00932, 932. SJR (Scopus):2.116, JCR-IF (Web of Science):5.085 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	33.33
64	Stoyanov L., M. Zhekova, Al. Stefanov, I. Stefanov, G. G. Paulus, Al. Dreischuh. Zeroth- and first-order long range non-diffracting Gauss–Bessel beams generated by annihilating multiple-charged optical vortices. Scientific Reports, 10, Nature, 2020, ISSN:2045-2322, DOI:https://doi.org/10.1038/s41598-020-78613-7, 21981. SJR (Scopus):1.341, JCR-IF (Web of Science):3.998 Q1, не оглавява ранглистата (Scopus) Линк	1.000	16.67
Коригиран брой: 64.000			

Е 1.2.3 а:

Научни публикации в списания, индексирани от WoS или Scopus, които попадат в категория Q2 (публикувани)

- **Звено: (ИМИ) Институт по математика и информатика**
- **Тип на публикацията:**
Глава от научна монография
Студия в научно списание
Статия в научно списание
Статия в сборник на научен форум
Студия в тематичен сборник
Статия в тематичен сборник
Научно съобщение
- **Статус на изданието: Q2**
- **Година на публикуване: 2020 ÷ 2020**
- **Тип записи: Записи, които влизат в отчета на звеното**

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Borisov, M., Dimitrova, N., Simeonov, I. Mathematical Modeling and Stability Analysis of a Two-Phase Biosystem. Processes, 8, 7, MDPI, 2020, ISSN:22279717, DOI:https://doi.org/10.3390/pr8070791, 791. SJR (Scopus):0.403, JCR-IF (Web of Science):2.753 Q2 (Web of Science) Линк	1.000	66.67
2	Bouyukliev I. The Program Generation in the Software Package QextNewEdition. Lecture Notes in Computer Science, vol 12097, Springer, Cham, 2020, ISBN:978-3-030-52199-8, DOI:https://doi.org/10.1007/978-3-030-52200-1_18, 181-189. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	100.00
3	Boyvalenkov, P., Delchev, K., Zinoviev, D., Zinoviev, V. On q-ary codes with two distances d and d+1. Problems of Information Transmission, 56, 1, Springer, 2020, ISSN:0032-9460, DOI:10.1134/S0032946020010044, 33-44. SJR (Scopus):0.506, JCR-IF (Web of Science):0.593 Q2 (Scopus) Линк	1.000	50.00
4	Boyvalenkov, P. Linear programming bounds for spherical (k,k)-designs. C. R. Acad. Bulg. Sci., 73, 8, Marin Drinov, 2020, ISSN:1310-331, DOI:10.7546/CRABS.2020.08.02, 1051-1059. SJR (Scopus):0.218, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	100.00
5	Brimkov, V.E., Barneva, R.P., Kanev, K. Dealing with Noise in Cluster Pattern Interface. Combinatorial Image Analysis, LNCS 12148, Springer Nature, Lecture Notes in Computer Science, 2020, ISBN:978-303051001-5, DOI:10.1007/978-3-030-51002-2_17, 236-244. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	33.33
6	Danchev, P. V., Samiei, M. Commutative weakly nil-neat group rings. Commun. Algebra, 48, 6, 2020, ISSN:0092-7872, DOI:10.1080/00927872.2020.1713329, 2382-2387. SJR (Scopus):0.646, JCR-IF (Web of Science):0.556 Q2 (Scopus) Линк	1.000	50.00
7	Draganov, B.R. Direct estimates of the weighted simultaneous approximation by the Baskakov operator. Results Math., 75, Article number: 156, Springer, 2020, ISSN:1422-6383 (Print) 1420-9012 (Electronic), DOI:https://doi.org/10.1007/s00025-020-01285-2, SJR (Scopus):0.692, JCR-IF (Web of Science):1.162 Q2 (Web of Science) Линк	1.000	100.00
8	Drensky, V., Ş. Findik. The Nowicki Conjecture for free metabelian Lie algebras. Journal of Algebra and its Applications, 19, 5, World Scientific (Singapore), 2020, ISSN:0219-4988; 1793-6829, DOI:10.1142/S0219498820500954, SJR (Scopus):0.576, JCR-IF (Web of Science):0.61 Q2 (Scopus) Линк	1.000	50.00
9	Hristova E. Hilbert series and invariants in exterior algebras. Comptes rendus de l'Academie bulgare des Sciences, 73, 2, 2020, ISSN:1310-1331, DOI:10.7546/CRABS.2020.02.02, 153-162. SJR (Scopus):0.218, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	100.00
10	Ilieva, N., Petkov, P., Liikova, E., Lazarova, T., Dolashki, A., Velkova, L., Dolashka, P., Litov, L. In Silico Study on the Structure of Novel Natural Bioactive Peptides. Lecture Notes in Computer Science, Springer, 2020, ISBN:978-3-030-41031-5 (print); 978-3-030-41032-2 (online), DOI:10.1007/978-3-030-41032-2_38, SJR (Scopus):0.283 Q2 (Scopus) Линк	1.000	12.50

11	Ivanov, K. G. , Petrushev, P.. In Memoriam: Blagovest Sendov, February 8, 1932 – January 19, 2020. Journal of Approximation Theory, 254, Elsevier, 2020, ISSN:0021-9045, DOI:10.1016/j.jat.2020.105406, 105406. SJR (Scopus):0.663, JCR-IF (Web of Science):0.825 Q2 (Web of Science) Линк	1.000	50.00
12	Ivanova-Rohling, V. , Rohling, N. Evaluating machine learning approaches for discovering optimal sets of projection operators for quantum state tomography of qubit systems. CYBERNETICS AND INFORMATION TECHNOLOGIES, 20, 6, Institute of Information and Communication Technologies - BAS, 2020, ISSN:1314-4081, DOI:DOI: 10.2478/cait-2020-0061, 61-73. SJR (Scopus):0.31 Q2 (Scopus) Линк	1.000	50.00
13	Kamburova, D. . Weak Payoff Security in Mixed Strategies. Comptes rendus de l'Academie bulgare des Sciences, 73, 4, „Prof. Marin Drinov“ Publishing House of Bulgarian Academy of Sciences, 2020, ISSN:ISSN 1310–1331 (Print) ISSN 2367–5535 (Online), DOI:DOI: 10.7546/CRABS.2020.04.04, 467-474. SJR (Scopus):0.218, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	100.00
14	Kounev, O. , Render, H. L^∞ -error Bounds for Interpolation with Piecewise Exponential Splines of Order Two and Four. Comptes rendus de l'Academie bulgare des Sciences, 73, 12, 2020, ISSN:1310–1331 (Print) , ISSN 2367–5535 (Online), DOI:DOI: 10.7546/CRABS.2020.12.01, 1629-1637. SJR (Scopus):0.218, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	50.00
15	Krastanov, M. I. , Nikolova, M. N.. A sufficient condition for small-time local controllability of a polynomial control system. Comptes rendus de l'Academie bulgare des Sciences, 73, 12, 2020, ISSN:1310–1331, DOI:DOI: 10.7546/CRABS.2020.12.02, 1638-1649. SJR (Scopus):0.22, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	50.00
16	Krastanov, M.I., Ribarska, N.K. . On a Bolza problem. C.R.Acad. Bulgare Sci., 73, 5, „Prof. Marin Drinov“ Academic Publishing House, 2020, ISSN:1310–1331, DOI:10.7546/CRABS.2020.05.03, 612-623. SJR (Scopus):0.218, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	100.00
17	Landjev, I. , Rousseva, A.. A general construction for blocking sets in affine geometries. Results in Mathematics, 75:142, 4, Birkhauser/Springer, 2020, ISSN:1420-9012, SJR (Scopus):0.692, JCR-IF (Web of Science):1.162 Q2 (Web of Science) Линк	1.000	50.00
18	Manev, N. L. . Application of Orthogonal Polynomials and Special Matrices to Orthogonal Arrays. Lecture Notes in Computer Science: LSSC 2019, LNCS 11958, Springer Nature Switzerland AG, 2020, ISBN:978-3-030-41031-5 978-3-030-41032-2 (eBook), ISSN:0302-9743 1611-3349 (electronic), DOI:978-3-030-41032-2_28, 245-253. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	100.00
19	Manev, N. L. . On Distance Distributions of Orthogonal Arrays. Problems of Information Transmission, 56, 1, Pleiades Publishing, Inc., 2020, ISSN:0032-9460, DOI:10.1134/S0032946020010056, 45-55. SJR (Scopus):0.506, JCR-IF (Web of Science):0.593 Q2 (Scopus) Линк	1.000	100.00
20	Nikolov, N. I., Stoimenova, E. . Mallows' models for imperfect ranking in ranked set sampling. ASTA Advances in Statistical Analysis, 104, 4, Springer, 2020, ISSN:Print ISSN 1863-8171 Electronic ISSN 1863-818X, DOI:10.1007/s10182-019-00354-4, 459-484. SJR (Scopus):0.546, JCR-IF (Web of Science):0.98 Q2 (Scopus) Линк	1.000	100.00
21	Popova, E.D. , Elishakoff, I.. Novel Interval Model Applied to Derived Variables in Static and Structural Problems. Archive of Applied Mechanics, 90, Springer, 2020, ISSN:0939-1533, DOI:10.1007/s00419-019-01644-8, 869-881. SJR (Scopus):0.54, JCR-IF (Web of Science):1.578 Q2 (Scopus) Линк	1.000	50.00
22	Popova, E.D. . On a class of parameterized solutions to interval parametric linear systems. Comptes rendus de l'Academie bulgare des Sciences, 73, 5, BAS, 2020, ISSN:1310–1331, DOI:10.7546/CRABS.2020.05.02, 599-611. SJR (Scopus):0.205, JCR-IF (Web of Science):0.321 Q2 (Scopus) Линк	1.000	100.00
23	Slavova A., P. Popivanov. Explicit solutions of the hyperbolic Monge-Ampere type equation, of a nonlinear evolution system and their qualitative properties. C. R. Acad. Bulg. Sci., 73, 6, Proceedings BAS, 2020, ISSN:1310–1331, DOI:10.7546/CRABS.2020.06.03, 767-776. SJR (Scopus):0.22, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	100.00
24	Todorov V., I. Dimov. Efficient Stochastic Approaches for Multidimensional Integrals in Bayesian Statistics. Large-Scale Scientific Computing (LSSC 2019), 11958, Springer International Publishing Switzerland, 2020, DOI:https://doi.org/10.1007/978-3-030-41032-2_52, 454-462. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	50.00
25	Topalova, S., Zhelezova, S. . Isomorphism and Invariants of Parallelisms of Projective Spaces. Lecture Notes in Computer Science, 12097, Springer, Cham, 2020, ISSN:03029743, 16113349, DOI:10.1007/978-3-030-52200-1_16, 162-172. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	100.00
26	Zaevski, Ts. . Laplace Transforms for the First Hitting Time of a Brownian Motion. Comptes rendus de l'Academie bulgare des Sciences, 73, 7, Professor Marin Drinov Academic Publishing House of Bulgarian Academy of Sciences, 2020, ISSN:1310–1331, DOI:10.7546/CRABS.2020.07.05, 934-941. SJR (Scopus):0.218, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	100.00

27	Albiac, F., Ansorena, J.L., Dilworth, S.J., Kutzarova, D. Non-superreflexivity of Garling sequence spaces and applications to the existence of special types of conditional bases. <i>Studia Math.</i> , 251, 3, 2020, ISSN:0039-3223, DOI:10.4064/sm180910-1-2, 277-288. SJR (Scopus):0.786, JCR-IF (Web of Science):0.955 Q2 (Scopus) Линк	1.000	25.00
28	Apostolov, S.R., Krastanov, M.I., Ribarska, N. Sufficient Condition for Tangential Transversality. <i>Journal of Convex Analysis</i> , 27, 2020, ISSN:0944-6532, 19-30. SJR (Scopus):0.646, JCR-IF (Web of Science):0.527 Q2 (Scopus) Линк	1.000	66.67
29	Betten, A., Topalova, S. , Zhelezova, S.. New Uniform Subregular Parallelisms of PG(3,4) Invariant Under an Automorphism of Order 2. <i>Cybernetics and Information Technologies</i> , 20, 6, Institute of Information and Communication Technologies - BAS, 2020, ISSN:1314-4081, DOI:DOI: 10.2478/cait-2020-0057, 18-27. SJR (Scopus):0.31 Q2 (Scopus) Линк	1.000	33.33
30	Bouyuklieva S., Bouyukliev I. Classification of Linear Codes by Extending Their Residuals. <i>Lecture Notes in Computer Science book series (LNCS, volume 12097)</i> , Springer, Cham., 2020, ISBN:978-3-030-52199-8, DOI:https://doi.org/10.1007/978-3-030-52200-1_17, 173-180. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	50.00
31	Brimkov, B., Brimkov, V.E. On connectedness of discretized sets. <i>Combinatorial Image Analysis, LNCS 12148</i> , Springer Nature, <i>Lecture Notes in Computer Science</i> , 2020, ISBN:978-303051001-5, DOI:10.1007/978-3-030-51002-2_2, 20-28. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	50.00
32	Cui, J., Danchev, P. V. Some new characterizations of periodic rings. <i>J. Algebra Appl.</i> , 19, 12, 2020, ISSN:0219-4988, DOI:10.1142/S0219498820502357, SJR (Scopus):0.576, JCR-IF (Web of Science):0.61 Q2 (Scopus) Линк	1.000	50.00
33	Dimitrova I., V. H. Fernandes, J. Koppitz , T. M Quinteiro. Ranks of Monoids of Endomorphisms of a Finite Undirected Path. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 43, 2, Springer, 2020, ISSN:0126-6705, DOI:https://doi.org/10.1007/s40840-019-00762-4, 1623-1645. SJR (Scopus):0.379, JCR-IF (Web of Science):0.856 Q2 (Web of Science) Линк	1.000	25.00
34	Dimov, I., Savov, M. Probabilistic analysis of the Single Particle Wigner Monte-Carlo method. <i>Mathematics and Computers in Simulation</i> , 173, Elsevier, 2020, ISSN:0378-4754, DOI:https://doi.org/10.1016/j.matcom.2020.01.008, 32-50. JCR-IF (Web of Science):1.62 Q2 (Web of Science) Линк	1.000	50.00
35	Georgieva, M., Chakarova, V., Petrova, M., Lazarova, D., Dobrev, D. Pre-treatment of dielectrics and technological process for deposition of chemical copper layers from copper solution with improved ecological impact. <i>Transactions of the Institute of Metal Finishing</i> , 98, 2, 2020, ISSN:0020-2967, DOI:10.1080/00202967.2020.1718941, 81-87. SJR (Scopus):0.481, JCR-IF (Web of Science):1.052 Q2 (Scopus) Линк	1.000	20.00
36	Grigoriev, V.V., Iliev, O. , Vabishchevich P.N.. Computational identification of adsorption and desorption parameters for pore scale transport in random porous media. <i>Journal of Computational and Applied Mathematics</i> , 370, Elsevier, 2020, ISSN:03770427, DOI:10.1016/j.cam.2019.112661, Art.112661. SJR (Scopus):0.87, JCR-IF (Web of Science):2.037 Q2 (Scopus) Линк	1.000	33.33
37	Kunta, M., Chavez, S., Vilorio, Z., del Rio, H., Devanaboina, M., Yanev, G. , Park, J-W., Louzada, E.. Screening Potential Citrus Rootstocks for Phytophthora nicotianae Tolerance. <i>HortScience</i> , 55, 7, AMER SOC HORTICULTURAL SCIENCE, 2020, ISSN:0018-5345, DOI:10.21273/HORTSCI14920-20, 1038-1044. SJR (Scopus):0.394 Q2 (Scopus) Линк	1.000	12.50
38	Ostromsky Tz., V. Todorov , I. Dimov, Z. Zlatev. Efficient Stochastic Algorithms for the Sensitivity Analysis Problem in the Air Pollution Modelling. <i>Large-Scale Scientific Computing (LSSC 2019)</i> , 11958, <i>Lecture Notes in Computer Science</i> , 2020, ISSN:0302-9743, DOI:https://doi.org/10.1007/978-3-030-41032-2_48, 420-428. SJR (Scopus):0.427 Q2 (Scopus) Линк	1.000	25.00
39	Sapundjiev, V., Paneva-Marinova, D. , Pavlova, L.. Methods and Algorithms for Analysis of Drivers' Behavior Based on Convergence of Multiple Data. <i>Comptes rendus de l'Academie bulgare des Sciences</i> , 73, 7, 2020, ISSN:1310-1331, DOI:10.7546/CRABS.2020.07.0, 926-933. SJR (Scopus):0.205, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	33.33
40	Toneva, D., Nikolova, S., Georgiev, I. , Lazarov, N.. Impact of Resolution and Texture of Laser Scanning Generated Three-Dimensional Models on Landmark Identification. <i>The Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology</i> , 7, 303, Wiley, 2020, ISSN:1932-8486, DOI:https://doi.org/10.1002/ar.24272, 1950-1965. SJR (Scopus):0.53, JCR-IF (Web of Science):1.634 Q2 (Scopus) Линк	1.000	25.00
41	Zhuchok A.V., Yu.V. Zhuchok, J. Koppitz . Free rectangular doppelsemigroups. <i>Journal of Algebra and Its Applications</i> , 19, 11, World Scientific Publishing Company, 2020, ISSN:0219-4988, DOI:doi.org/10.1142/S0219498820502059, SJR (Scopus):0.576, JCR-IF (Web of Science):0.61 Q2 (Scopus) Линк	1.000	33.33
Коригиран брой: 41.000			

Е 1.2.4 а:

Научни публикации в списания, индексирани от WoS или Scopus, които попадат в категория Q3 (публикувани)

- **Звено: (ИМИ) Институт по математика и информатика**
- **Тип на публикацията:**
 Глава от научна монография
 Студия в научно списание
 Статия в научно списание
 Статия в сборник на научен форум
 Студия в тематичен сборник
 Статия в тематичен сборник
 Научно съобщение
- **Статус на изданието: Q3**
- **Година на публикуване: 2020 ÷ 2020**
- **Тип записи: Записи, които влизат в отчета на звеното**

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Andonov, V., Poryazov, S., Saranova, E. Generalized net representations of control structures in service systems theory. <i>Advanced Studies in Contemporary Mathematics</i> (Kyungshang), 30, 1, JANGJEON PRESS, DAEGU-HAPCHEON, KOREA, 2020, ISSN:1229-3067, 49-60. SJR (Scopus):0.286 Q3 (Scopus) Линк	1.000	100.00
2	Danchev, P. V. Commutative periodic group rings. <i>Matematychni Studii</i> , 53, 2, 2020, ISSN:1027-4634, DOI:10.30970/ms.53.2.218-220, 218-220. SJR (Scopus):0.322 Q3 (Scopus) Линк	1.000	100.00
3	Danchev, P. V. Commutative weakly tripotent group rings. <i>Buletin. Acad. St. Rep. Moldova, Mat.</i> , 93, 2, 2020, ISSN:1024-7696, 24-29. SJR (Scopus):0.247 Q3 (Scopus) Линк	1.000	100.00
4	Danchev, P. V. Representing matrices over fields as square-zero matrices and diagonal matrices. <i>Chebyshevskii Sbornik</i> , 21, 3, 2020, ISSN:2226-8383, DOI:10.22405/2226-8383-2020-21-3-84-88, 84-88. SJR (Scopus):0.236 Q3 (Scopus) Линк	1.000	100.00
5	Drensky, V. Another proof of the Nowicki conjecture. <i>Tokyo Journal of Mathematics</i> , 43, 2, 2020, ISSN:0387-3870, DOI:doi:10.3836/tjm/1502179320, 537-542. SJR (Scopus):0.244, JCR-IF (Web of Science):0.216 Q3 (Scopus) Линк	1.000	100.00
6	Dzimbova T., Vezenkov S., Milanov P. Homology modeling of proctolin receptor and docking studies with proctolin analogues. <i>Journal of Chemical Technology and Metallurgy</i> , 55, 6, University of Chemical Technology and Metallurgy, 2020, ISSN:ISSN:1314-7471 E-ISSN:1314-7978, 2009-2013. SJR (Scopus):0.19 Q3 (Scopus) Линк	1.000	66.67
7	Gerdjikov, V.S., Stefanov, A.A., Iliev, I.D., Boyadjiev, G.P., Smirnov, A.O., Matveev, V.B., Pavlov, M.V. Recursion operators and hierarchies of mKdV equations related to the Kac-Moody algebras $D(1)4$, $D(2)4$, and $D(3)4$. <i>Theoretical and Mathematical Physics</i> (Russian Federation), 204, Springer, 2020, DOI:https://doi.org/10.1134/S0040577920090020, 1110-1129. SJR (Scopus):0.299, JCR-IF (Web of Science):0.854 Q3 (Scopus) Линк	1.000	57.14
8	Ikonov, N. R., Suetin, S. P. Scalar Equilibrium Problem and the Limit Distribution of Zeros of Hermite-Padé Polynomials of Type II. <i>Proceedings of the Steklov Institute of Mathematics</i> , 309, 1, Pleiades Publishing, 2020, ISSN:0081-5438, DOI:10.1134/S0081543820030128, 159-182. SJR (Scopus):0.369, JCR-IF (Web of Science):0.467 Q3 (Scopus) Линк	1.000	50.00
9	Kamburova, D., Nedelcheva, D. Variational Principles for supinf Problems with Constraints. <i>Geometry, Integrability and Quantization</i> , 21, Project Euclid, 2020, ISSN:1314-3247, DOI:10.7546/giq-21-2020-163-169, 163-169. SJR (Scopus):0.244 Q3 (Scopus) Линк	1.000	50.00
10	Paneva-Konovska, J., Kiryakova, V. On the multi-index Mittag-Leffler functions and their Mellin transforms. <i>International Journal of Applied Mathematics</i> , 33, 4, Academic Publications Ltd., 2020, ISSN:1311-1728, DOI:10.12732/ijam.v33i4.1, 549-571. SJR (Scopus):0.271 Q3 (Scopus) Линк	1.000	100.00

11	Paneva-Konovska, J. Series in Le Roy type functions: inequalities and convergence theorems. International Journal of Applied Mathematics, 33, 6, Academic Publications Ltd., 2020, ISSN:1311-1728, DOI:10.12732/ijam.v33i6.3, 995-1007. SJR (Scopus):0.271 Q3 (Scopus) Линк	1.000	100.00
12	Popvassilev, S. G. , Porter, J. E.. Monotone covering properties defined by closure-preserving operators. Topology and its Applications, 283, Elsevier Sci. B. V., 2020, ISSN:0166-8641, DOI:10.1016/j.topol.2020.107346, 107346. SJR (Scopus):0.594, JCR-IF (Web of Science):0.531 Q3 (Scopus) Линк	1.000	50.00
13	Sabev, N. , Georgieva-Tsaneva G., Bogdanova, G. . Research, analysis, and evaluation of web accessibility for a selected group of public websites in Bulgaria. Journal of Accessibility and Design for All, 10, 1, 2020, ISSN:20137087, DOI:https://doi.org/10.17411/jaccess.v10i1.215, 124-160. SJR (Scopus):0.106 Q3 (Scopus) Линк	1.000	66.67
14	Shishkov, B.B. , Bogomilova, A., Garvanova, M.. Four Enterprise Modeling Perspectives and Impact on Enterprise Information Systems. Advances in Intelligent Systems and Computing, vol 1159, Springer Nature, 2020, ISBN:978-3-030-45687-0, ISSN:2194-5357, DOI:https://doi.org/10.1007/978-3-030-45688-7_66, 660-677. SJR (Scopus):0.18 Q3 (Scopus) Линк	1.000	33.33
15	Shishkov, B.B. , Verbraeck, A.. Making Enterprise Information Systems Resilient Against Disruptive Events: A Conceptual View. Lecture Notes in Business Information Processing (LNBIP), vol 391, Springer Nature, 2020, ISBN:978-3-030-52305-3, ISSN:1865-1348, DOI:https://doi.org/10.1007/978-3-030-52306-0_3, 38-54. SJR (Scopus):0.26 Q3 (Scopus) Линк	1.000	50.00
16	Tchorbadjiev A., P. Mayster. Geometric branching reproduction Markov processes. Modern Stochastics: Theory and Applications, 7, 4, VTeX, 2020, ISSN:2351-6046, DOI:https://doi.org/10.15559/20-VMSTA163, 357-378. SJR (Scopus):0.261 Q3 (Scopus) Линк	1.000	100.00
17	Tchorbadjiev A., P. Mayster. Models induced from critical birth–death process with random initial conditions. Journal of Applied Statistics, 47, 13-15, Taylor & Francis, 2020, ISSN:0266-4763, DOI:https://doi.org/10.1080/02664763.2020.1732309, 2862-2878. SJR (Scopus):0.528, JCR-IF (Web of Science):1.031 Q3 (Web of Science) Линк	1.000	100.00
18	Yanev, G.P. . On Arnold-Villasenor conjectures for characterizing exponential distribution based on samples of size three, Revstat. Revstat Statistical Journal, 18, 2, Instituto Nacional De Estatistica, Portugal, 2020, ISSN:16456726, 177-188. SJR (Scopus):0.323, JCR-IF (Web of Science):0.667 Q3 (Scopus) Линк	1.000	100.00
19	Atanassov, K., Gluhchev, G., Andonov, V. A generalized net model of biometric access control system. Advanced Studies in Contemporary Mathematics (Kyungshang), 30, 2, JANGJEON PRESS, DAEGU-HAPCHEON, KOREA, 2020, ISSN:1229-3067, DOI:10.17777/ascm2020.30.2.223, 225-230. SJR (Scopus):0.28 Q3 (Scopus) Линк	1.000	33.33
20	Bikov, D., Pashinska, M. . Parallel programming strategies for computing Walsh spectra of Boolean functions. Communications in Computer and Information Science, 1316, Springer, 2020, ISBN:978-3-030-62097-4, ISSN:1865-0929, DOI:https://doi.org/10.1007/978-3-030-62098-1_12, 138-152. SJR (Scopus):0.188 Q3 (Scopus) Линк	1.000	50.00
21	Choban M. M., Kenderov P. S., Revalski J.P. . Fragmentability of open sets and topological games. Topology and its Applications, 275, Elsevier, 2020, ISSN:0166-8641, DOI:https://doi.org/10.1016/j.topol.2019.107004, 107004. SJR (Scopus):0.594, JCR-IF (Web of Science):0.531 Q3 (Scopus) Линк	1.000	66.67
22	Choban, M. M., Kenderov, P. S., Revalski, J. P. . Spaces with fragmentable open sets. Topology and its Applications, 281, Elsevier, 2020, ISSN:0166-8641, DOI:https://doi.org/10.1016/j.topol.2020.107214, 107214. SJR (Scopus):0.594, JCR-IF (Web of Science):0.531 Q3 (Scopus) Линк	1.000	66.67
23	Dzimbova, T., Wesselinova, D., Naydenova, E., Milanov, P. . Computer modelling of all types of somatostatin receptors. Journal of Chemical Technology and Metallurgy, 55, 2, University of Chemical Technology and Metallurgy, 2020, ISSN:ISSN 1314-7471 (print) ISSN 1314-7978 (on line), 272-276. SJR (Scopus):0.19 Q3 (Scopus) Линк	1.000	25.00
24	Gaydarski, I., Minchev, Z. , Andreev, R.. Model Driven Architectural Design of Information Security System. Advances in Intelligent Systems and Computing, Madureira A., Abraham A., Gandhi N., Silva C., Antunes M. (eds) Proceedings of the Tenth International Conference on Soft Computing and Pattern Recognition (SoCPaR 2018), 492, Springer, 2020, ISBN:978-3-030-17064-6, ISSN:2194-5357, DOI:10.1007/978-3-030-17065-3_35, 349-359. SJR (Scopus):0.184 Q3 (Scopus) Линк	1.000	33.33
25	Georgiev, V., Nikolova, A. . Tools for Creating and Presenting Online Learning Resources for Preschool Kids. 9, TEM Journal, 2020, ISSN:2217-8309, DOI:10.18421, 1692-1696. SJR (Scopus):0.167 Q3 (Scopus) Линк	1.000	50.00
26	Hristova, S.G., Tersian, S.A. . Scalar linear impulsive Riemann-Liouville fractional differential equations with constant delay-explicit solutions and finite time stability. Demonstratio Mathematica, 53, 1, De Gruyter, 2020, ISSN:0420-1213, DOI:10.1515/dema-2020-0012, 121-130. SJR (Scopus):0.333 Q3 (Scopus) Линк	1.000	50.00
27	Milanov, K., Kounchev, O. , Fabozzi, F.. A Complete Model for Pricing CoCo Bonds. The journal of fixed income, Winter 2020, 29(3), Pageant Media Ltd, 2020, DOI:https://doi.org/10.3905/jfi.2019.1.077, 53-67. SJR (Scopus):0.216 Q3 (Scopus) Линк	1.000	33.33

28	Souroujon, D., Tersian, S. Positive solutions for a second order extended fisher-kolmogorov's equation. International Journal of Applied Mathematics, 33, 6, Academic Publications Ltd., 2020, ISSN:1311-1728, DOI:10.12732/ijam.v33i6.1, 951-967. SJR (Scopus):0.271 Q3 (Scopus) Линк	1.000	50.00
29	Тсвєткoвa, G., Tersian, S. Multiplicity of solutions of dirichlet's problem for second-order p-laplacian differential equations with variable coefficients. International Journal of Applied Mathematics, 33, 5, Academic Publications Ltd., 2020, ISSN:1311-1728, DOI:10.12732/ijam.v33i5.13, 929-936. SJR (Scopus):0.271 Q3 (Scopus) Линк	1.000	50.00
Коригиран брой: 29.000			

Е 1.2.5 а:

Научни публикации в списания, индексирани от WoS или Scopus, които попадат в категория Q4 (публикувани)

- **Звено:** (ИМИ) Институт по математика и информатика
- **Тип на публикацията:**
 - Глава от научна монография
 - Студия в научно списание
 - Статия в научно списание
 - Статия в сборник на научен форум
 - Студия в тематичен сборник
 - Статия в тематичен сборник
 - Научно съобщение
- **Статус на изданието:** Q4
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Boyadzhiev, G., Kutev, N. Comparison Principle for Non-cooperative Elliptic Systems and Applications. Applied and Numerical Harmonic Analysis (Advances in Microlocal and Time-Frequency Analysis), Birkhauser, 2020, ISBN:978-3-030-36138-9, 145-155. SJR (Scopus):0.125 Q4 (Scopus) Линк	1.000	100.00
2	Danchev, P. V., Samiei, M. A new characterization of commutative semiregular rings. Adv. Pure & Appl. Math., 11, 1, 2020, ISSN:1869-6090, DOI:10.21494/ISTE.OP.2020.0552, 25-32. SJR (Scopus):0.221 Q4 (Scopus) Линк	1.000	50.00
3	Danchev, P. V., Samiei, M. Commutative weakly nil-neat rings. Novi Sad J. Math., 50, 2, 2020, ISSN:1450-5444, DOI:10.30755/NSJOM.09638, 51-59. SJR (Scopus):0.211 Q4 (Scopus) Линк	1.000	50.00
4	Danchev, P. V. A note on nil-clean rings. Acta Math. Univ. Sapientiae, 12, 2, 2020, ISSN:1844-6094, DOI:10.2478/ausm-2020-0020, 287-293. SJR (Scopus):0.226 Q4 (Scopus) Линк	1.000	100.00
5	Danchev, P. V. A symmetrization in λ -regular rings. Trans. A. Razmadze Math. Inst., 174, 3, 2020, ISSN:2346-8092, 271-275. SJR (Scopus):0.159 Q4 (Scopus) Линк	1.000	100.00
6	Danchev, P. V. Certain properties of square matrices over fields with applications to rings. Rev. Colomb. Mat., 54, 2, 2020, ISSN:0034-7426, 109-116. SJR (Scopus):0.22 Q4 (Scopus) Линк	1.000	100.00
7	Danchev, P. V. Generalizing unit-regular rings and special clean elements. Proyecciones J. Math., 39, 5, 2020, ISSN:0716-0917, DOI:10.22199/issn.0717-6279-2020-05-0069, 1123-1135. SJR (Scopus):0.197 Q4 (Scopus) Линк	1.000	100.00
8	Ganchev I., Z. Ji, M. O'Droma. Low-Cost and Ultra-Low-Power Consuming RTUs for Use in IoT Systems. International Journal of Circuits, Systems and Signal Processing, 14, NAUN, 2020, ISSN:1998-4464, DOI:10.46300/9106.2020.14.12, 76-82. SJR (Scopus):0.158 Q4 (Scopus) Линк	1.000	33.33
9	Ganchev, I., Z. Ji, M. O'Droma. Designing a Cloud Tier for the IoT Platform EMULSION. WSEAS Transactions on Systems and Control, 14, 2020, ISSN:1991-8763 / 2224-2856, 375-383. SJR (Scopus):0.19 Q4 (Scopus) Линк	1.000	33.33
10	Lazarov, B. Combining Math Ideas via Probability Problems. The Teaching of Mathematics, XXIII, 1, SANU, 2020, ISSN:1451-4966, 20-29. SJR (Scopus):0.111 Q4 (Scopus) Линк	1.000	100.00
11	Loukanova, R. Type-Theory of Acyclic Algorithms for Models of Consecutive Binding of Functional Neuro-Receptors. AI Aspects in Reasoning, Languages, and Computation. Book series: Studies in Computational Intelligence (SCI), 889, Springer International Publishing. Cham, 2020, ISBN:Print ISBN 978-3-030-41424-5 Online ISBN 978-3-030-41425-2, DOI:10.1007/978-3-030-41425-2_1, 48, 1-48. SJR (Scopus):0.215 Q4 (Scopus) Линк	1.000	100.00
12	Slavova A., P. Popivanov. Exact formulas to the solutions of several generalizations of the nonlinear Schrödinger equation. Applied and Numerical Harmonic Analysis (Advances in microlocal and time-frequency analysis), Birkhäuser, 2020, ISBN:978-3-030-36137-2, 419-429. SJR (Scopus):0.13 Q4 (Scopus) Линк	1.000	100.00

13	Todorov, V., Ikonov, N., Apostolov, S., Dimov, I., Georgieva, R., Dimitrov, Y. An Improved "Walk on Equations" Monte Carlo Algorithm for Linear Algebraic Systems. Studies in Computational Intelligence, 838, Springer Nature, 2020, ISSN:1860-949X, DOI:10.1007/978-3-030-22723-4_14, 215-236. SJR (Scopus):0.215 Q4 (Scopus) Линк	1.000	50.00
14	Anantayasethi A., J. Koppitz. The Algebraic Structure of a Semigroup of Sets of Transformations with Restricted Range. Thai Journal of Mathematics, 18, 4, 2020, ISSN:1686-0209, 1701-1713. SJR (Scopus):0.179 Q4 (Scopus) Линк	1.000	50.00
15	Liolios A., G. Skodras, K. Liolios, K. Georgiev, I. Georgiev. A stochastic analysis of RC structures under progressive environmental collapse considering uncertainty and strengthening by ties. Studies in Computational Intelligence, 902, Springer, 2020, ISSN:1860-9503, DOI:https://doi.org/10.1007/978-3-030-55347-0_23, 271-278. SJR (Scopus):0.22 Q4 (Scopus) Линк	1.000	20.00
Коригиран брой: 15.000			

Е 1.2.6 а:
Научни публикации в издания със SJR в Scopus, неотнесени към квартал
(публикувани)

- **Звено: (ИМИ) Институт по математика и информатика**
- **Тип на публикацията:**
 Глава от научна монография
 Студия в научно списание
 Статия в научно списание
 Статия в сборник на научен форум
 Студия в тематичен сборник
 Статия в тематичен сборник
 Научно съобщение
- **Статус на изданието:** SJR, непопадащ в Q категория
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Branzov, T., Ivanova, K., Milousheva, V. Service Approach to the Development of Online Educational Products in the National Geoinformation Center of Bulgaria. International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2.1, 2020, ISSN:1314-2704, DOI:10.5593/sgem2020/2.1/s07.038, 291-300. SJR (Scopus):0.232 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
2	Kaloyanova, K. Mapping Foundational Knowledge in Cybersecurity. CEUR Workshop Proceedings, issue:2656, 2020, ISSN:ISSN (online):1613-0073, 108-114. SJR (Scopus):0.177 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
3	Nisheva, M., Georgiev, H., Pavlov, P. Building a Semantic Repository for Outpatient Sheets. CEUR Workshop Proceedings, 2656, 2020, ISSN:1613-0073, 30-37. SJR (Scopus):0.177 SJR, непопадащ в Q категория (Scopus) Линк	1.000	33.33
4	Shishkov, B.B., Hristozov, S., Verbraeck, A. Improving Resilience Using Drones for Effective Monitoring after Disruptive Events. International Conference Proceeding Series (ICPS), ACM, 2020, ISBN:978-1-4503-7730-0, DOI:https://doi.org/10.1145/3430116.3430123, 38-43. SJR (Scopus):0.2 SJR, непопадащ в Q категория (Scopus) Линк	1.000	33.33
5	Slavtchova-Bojkova M. Branching Processes Modelling for Coronavirus (COVID'19) Pandemics. CEUR Workshop Proceedings, 2656, CEUR Workshop Proceedings (CEUR-WS.org,), 2020, ISSN:ISSN 1613-0073, 115-130. SJR (Scopus):0.177 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
6	Todorov V., I. Dimov, Tz. Ostromsky. A Comparison of Advanced Quasi Monte Carlo Methods for Multidimensional Integrals in Air Pollution Modeling. Proceeding of AMITANS 2020 conference, 2302, AIP Conference Proceedings, 2020, DOI:https://doi.org/10.1063/5.0034850, SJR (Scopus):0.19 SJR, непопадащ в Q категория (Scopus) Линк	1.000	33.33
7	Zlateva P., Galabov M. Some Financial Scenarios for Recovery of Natural Disaster Damages based on Insurances and Credits. 20th International Multidisciplinary Scientific GeoConference (SGEM 2020), 20, 5.2, 2020, ISBN:978-619-7603-11-8, ISSN:1314-2704, DOI:10.5593/sgem2020/5.2/s21.058- не работи, 471-478. SJR (Scopus):0.232 SJR, непопадащ в Q категория (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	50.00
8	Zlateva P. A modified sliding mode control of a nonlinear methane fermentation process. E3S Web of Conferences - ICESD 2020, 167, art. no. 05007, EDP Sciences, 2020, ISSN:2267-1242, DOI:10.1051/e3sconf/202016705007, 1-5. SJR (Scopus):0.17 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
9	Akça, H., Benbourenane, J., Covachev, V., Covacheva, Z. An abstract impulsive second-order functional-differential Cauchy problem with nonlocal conditions. Differential and Difference Equations with Applications. ICDDA 2019. S. Pinelas, J. R. Graef, S. Hilger, P. Kloeden, C. Schinas (eds), Springer Proceedings in Mathematics & Statistics., 333, Springer, Cham, 2020, ISBN:978-3-030-56322-6 (print), 978-3-030-56323-3 (online), DOI:10.1007/978-3-030-56323-3_53, 733-746. SJR (Scopus):0.217 SJR, непопадащ в Q категория (Scopus) Линк	1.000	50.00

10	Arnaoudova, K., Nisheva, M. Document Understanding: Problems and Technological Solutions. CEUR Workshop Proceedings, 2656, 2020, ISSN:1613-0073, 148-158. SJR (Scopus):0.177 SJR, непопадац в Q категория (Scopus) Линк	1.000	50.00
11	Dzimbova T., Spundzhi F., Mavrevski R., Milanov P. Determination of the structural requirements of μ -Opioid receptor ligands with docking.. AIP Conference Proceedings 2302, 050001 (2020), AIP Publishing, 2020, ISSN:0094243X, 15517616, DOI: https://doi.org/10.1063/5.0033529 , 1-6. SJR (Scopus):0.19 SJR, непопадац в Q категория (Scopus) Линк	1.000	25.00
12	Hristozov, S., Shishkov, B.B. Unmanned Traffic Management - Motivation and Future Perspectives. International Conference Proceeding Series (ICPS), ACM, 2020, ISBN:978-1-4503-7730-0, DOI: https://doi.org/10.1145/3430116.3430122 , 33-37. SJR (Scopus):0.2 SJR, непопадац в Q категория (Scopus) Линк	1.000	50.00
13	Levina, A. B., Taranov, S. V., Kaplun, D. I., Boyuvalenkov, P. Wavelet codes and their implementation for protection of NAND flash memory. 2019 Photonics & Electromagnetics Research Symposium - Spring (PIERS-Spring), Rome, Italy, IEEE Xplore, 2020, ISSN:1559-9450 (electronic), DOI:10.1109/PIERS-Spring46901.2019.9017402, 3797-3804. SJR (Scopus):0.157 SJR, непопадац в Q категория (Scopus) Линк	1.000	25.00
14	Lilkova, E., Ilieva, N. , Petkov, P., Rangelov, M., Litov, L.. In Silico Indications for Human Interferon Gamma Inhibition by Heparin. AIP Conference Proceedings, 2302, American Institute of Physics, 2020, 020003. SJR (Scopus):0.19 SJR, непопадац в Q категория (Scopus) Линк	1.000	20.00
15	Ostromsky Tz., V. Todorov , I. Dimov. Monte Carlo Methods for Sensitivity Studies of Large-Scale Air Pollution Model. Proceeding of AMITANS 2020 conference, 2302, AIP Conference Proceedings, 2020, DOI: https://doi.org/10.1063/5.0034848 , SJR (Scopus):0.19 SJR, непопадац в Q категория (Scopus) Линк	1.000	33.33
16	Ruohomaa H., Ivanova N., Podkletnov D., Ivanova Kr. The Socio-Technical Impact of the Current Disruptive Technologies on the Smart City Concept Realization. Models and Methods of Information Systems Research Workshop (MMISR 2019), St. Petersburg, RF, 4-5.12.2019; Code 157897, 2556, CEUR Workshop Proceedings, 2020, ISSN:16130073, 3-9. SJR (Scopus):0.177 SJR, непопадац в Q категория (Scopus) Линк	1.000	25.00
Коригиран брой: 16.000			

Е 1.2.х а:

Научни публикации в издания, индексирани в WoS или Scopus, но без IF и SJR (публикувани)

- **Звено: (ИМИ)** Институт по математика и информатика
- **Тип на публикацията:**
Глава от научна монография
Студия в научно списание
Статия в научно списание
Статия в сборник на научен форум
Студия в тематичен сборник
Статия в тематичен сборник
Научно съобщение
- **Статус на изданието:** Без JCR или SJR – индексирани в WoS или Scopus
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Andonov, V., Saranova, E., Poryazov, S. Conceptual optimization of a Generalized Net Model of a Queuing System. 2020 15th Conference on Computer Science and Information Systems (FedCSIS), 2020, DOI:10.15439/2020F75, 223-226 Без JCR или SJR – индексирани в WoS или Scopus (Scopus) Линк	1.000	100.00
2	Bazhleкова, E., Bazhlev, I. Transition from diffusion to wave propagation in fractional Jeffreys-type heat conduction equation. Fractal and Fractional, 4, 3, MDPI, 2020, ISSN:2504-3110, DOI:10.3390/fractalfract4030032, 32 Без JCR или SJR – индексирани в WoS или Scopus (Scopus) Линк	1.000	100.00
3	Bogdanova, G., Todorov, T., Noev, N. Accessibility Testing of Digital Cultural Heritage. Digital Presentation and Preservation of Cultural and Scientific Heritage. Conference Proceedings, 10, Sofia, Bulgaria: Institute of Mathematics and Informatics – BAS, 2020, ISSN:1314-4006, 213-218 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science) Линк	1.000	100.00
4	Borissov, Y., Markov, M. An Approach for Computing the Number of Points on Elliptic Curve $y^2 = x^3 + a \pmod{p}$ via Explicit Formula for That Number Modulo p. Proceedings of the Ninth IWSDA 2019, Dongguan, China, Oct. 20-24, 2019, IEEE Xplore, 2020, ISBN:978-172811669-3, DOI:10.1109/IWSDA46143.2019.8966127 Без JCR или SJR – индексирани в WoS или Scopus (Scopus) Линк	1.000	100.00
5	Bovalenkov, P., Dragnev, P., Hardin, D., Saff, E., Stoyanova, M. On two problems concerning universal bounds for codes. Proc. XVI International Symposium "Problems of Redundancy in Information and Control Systems", Moscow, 21-25 Oct. 2019, IEEE Xplore, 2020, ISBN:978-1-7281-1944-1, DOI:10.1109/REDUNDANCY48165.2019.9003329, 58-63. SJR (Scopus):0.165 Без JCR или SJR – индексирани в WoS или Scopus (Scopus) Линк	1.000	20.00
6	Danchev, P. V. Symmetrization in clean and nil-clean rings. Izv. Saratov Univ. (N. S.), Ser. Math., Mech., Inform., 20, 2, 2020, ISSN:1816-9791, DOI:10.18500/1816-9791-2020-20-2-154-160, 154-160 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science) Линк	1.000	100.00
7	Dimova M., Kolkovska N., Kutev N. Global behavior of the solutions to nonlinear Klein-Gordon equation with critical initial energy. ELECTRONIC RESEARCH ARCHIVE, 28, 2, AIMS, 2020, ISSN:2688-1594, DOI:10.3934/era.2020035, 671-689 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science) Линк	1.000	100.00
8	Ganchev I., Z. Ji, M. O'Droma. Designing a Low-Cost Location Tracker for Use in IoT Applications. XXXIII General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS 2020), IEEE, 2020, ISBN:978-9-4639-6800-3 / 978-1-7281-5690-3, ISSN:2642-4339 / 2640-7027, DOI:10.23919/URSIGASS49373.2020.9232023 Без JCR или SJR – индексирани в WoS или Scopus (IEEE Xplore) Линк	1.000	33.33
9	Iliev, A. I., Mote, A., Manoharan, A. Cross-Cultural Emotion Recognition and Comparison Using Convolutional Neural Networks. Digital Presentation and Preservation of Cultural and Scientific Heritage Conference Proceedings, Vol. 10, Institute of Mathematics and Informatics – BAS, 2020, ISSN:1314-4006, 089-102 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science) Линк	1.000	33.33

10	Ivanova, T. Extended distributive contact lattices and extended contact algebras. Proceedings of the 2020 Federated Conference on Computer Science and Information Systems, M. Ganzha, L. Maciaszek, M. Paprzycki (eds). ACSIS, 21, 2020, ISBN:978-83-955416-7-4, ISSN:2300-5963, DOI:10.15439/2020F55, 69-75 Без JCR или SJR – индексирован в WoS или Scopus (Scopus)	1.000	100.00
11	Lazarov, B., D. Dimitrov. Introducing Conics in 9th Grade – an Experimental Teaching. Proceedings of the 12th International Conference on Computer Supported Education, 1, SCITEPRESS, 2020, ISBN:978-989-758-417-6, DOI:10.5220/0009430204360441, 436-441 Без JCR или SJR – индексирован в WoS или Scopus (Scopus) Линк	1.000	50.00
12	Loukanova, R. Algorithmic Eta-Reduction in Type-Theory of Acyclic Recursion. Proceedings of the 12th International Conference on Agents and Artificial Intelligence, 2, SciTePress, 2020, ISBN:978-989758395-7, DOI:10.5220/0009182410031010, 1003-1010 Без JCR или SJR – индексирован в WoS или Scopus (Web of Science) Линк	1.000	100.00
13	Luchev, D., Paneva-Marinova, D., Pavlova, L., Zlatkov, L., Pavlov, R. Development of a Serious Game “Aqua Calidae” for Studying the Ancient History and Civilizations in Primary School. Proceedings of the 14th annual International Technology, Education and Development Conference, INTED2020, Valencia, March 2-4, 2020, IATED, 2020, ISBN:978-84-09-17939-8, ISSN:2340-1079, 5253-5258 Без JCR или SJR – индексирован в WoS или Scopus (Web of Science) Линк	1.000	80.00
14	Luchev, D., Paneva-Marinova, D., Senka, G., Pavlova, L., Pavlov, R. Conceptual Models for the Development of Online Learning Games in Cultural Heritage Field. Pedagogy, 92, 5, “Az Buki” National Publishing House, 2020, ISSN:0861–3982, 620-633 Без JCR или SJR – индексирован в WoS или Scopus (Web of Science) Линк	1.000	60.00
15	Monova-Zheleva, M., Zhelev, Y., Nikolova, E. Intangible Cultural Heritage Presentation and Preservation – Challenges and Opportunities for Museum Specialists. Digital Presentation and Preservation of Cultural and Scientific Heritage. Conference Proceedings, 10, Institute of Mathematics and Informatics - BAS, 2020, ISSN:1314-4006, 233-240 Без JCR или SJR – индексирован в WoS или Scopus (Web of Science) Линк	1.000	100.00
16	Moumoutzis, N., Rigas, N., Xanthaki, C., Maragkoudakis, Y., Christodoulakis, S., Paneva-Marinova, D., Pavlova, L. Employing Theatrical Games to Establish and Support Onlife Learning Communities on Mathematical Principles of Informatics. Digital Presentation and Preservation of Cultural and Scientific Heritage. Conference Proceedings, 10, Institute of Mathematics and Informatics - BAS, 2020, ISSN:1314-4006, 19-44 Без JCR или SJR – индексирован в WoS или Scopus (Web of Science) Линк	1.000	28.57
17	Moumoutzis, N., Xanthaki, C., Pappas, N., Maragkoudakis, Y., Christodoulakis, S., Paneva-Marinova, D. Using the PerFECT Framework to Establish an Onlife Community for Theatre in Mathematics. Proceedings of the COMPSAC2020 IEEE Computer Society Signature Conference on Computers, Software and Application, IEEE, 2020, ISBN:978-1-7281-7303-0, DOI:10.1109/COMPSAC48688.2020.0-128, 1084-1085 Без JCR или SJR – индексирован в WoS или Scopus (Scopus) Линк	1.000	33.33
18	Paneva-Marinova, D., Zlatkov, L., Luchev, D., Pavlova, L., Goynov, M. Beneficial Learning Observation of a Virtual Museum for Ancient History. Digital Presentation and Preservation of Cultural and Scientific Heritage. Conference Proceedings, 10, Institute of Mathematics and Informatics - BAS, 2020, ISSN:1314-4006, 129-138 Без JCR или SJR – индексирован в WoS или Scopus (Web of Science) Линк	1.000	80.00
19	Paneva-Marinova, D., Pavlova, L., Goynov, M., Draganov, L., Pavlov, R. Towards Enhancement of the Quality of Education through Innovative Use of Digital Cultural Ecosystems. Proceedings of the 14th annual International Technology, Education and Development Conference, INTED2020, Valencia, March 2-4, 2020, IATED, 2020, ISBN:978-84-09-17939-8, ISSN:2340-1079, 1520-1523 Без JCR или SJR – индексирован в WoS или Scopus (Web of Science) Линк	1.000	60.00
20	Poryazov, S., Andonov, V., Saranova, E. Different traffic quality aggregations for a service composition. Proc. of the 6th IEEE International Conference “Big Data, Knowledge and Control Systems Engineering” (BdKCSE'2019) 21-22 November 2019, Sofia, Bulgaria, 2020, ISBN:978-1-7281-6482-3, ISSN:978-1-7281-6481-6, DOI:10.1109/BdKCSE48644.2019.9010599, 1-5 Без JCR или SJR – индексирован в WoS или Scopus (Scopus) Линк	1.000	100.00
21	Slavova A. Dynamics of a New Hysteresis Memristor CNN. 2020 European Conference on Circuit Theory and Design (ECCTD), IEEE, 2020, DOI:10.1109/ECCTD49232.2020.9218329 Без JCR или SJR – индексирован в WoS или Scopus (Scopus) Линк	1.000	100.00
22	Todorov V., I. Dimov, St. Fidanova, St. Poryazov. A New Optimized Adaptive Approach for Estimation of the Wigner Kernel. Preproceedings of the 2020 Federated Conference on Computer Science and Information Systems, IEEE Xplore, 2020, DOI:10.15439/2020F111, 341-344 Без JCR или SJR – индексирован в WoS или Scopus (Scopus) Линк	1.000	50.00
23	Todorov V., St. Apostolov, I. Dimov, St. Fidanova. A New Optimized Stochastic Approach for Multidimensional Integrals in Machine Learning. Preproceedings of the 2020 Federated Conference on Computer Science and Information Systems, IEEE Xplore, 2020, DOI:10.15439/2020F110, 337-340 Без JCR или SJR – индексирован в WoS или Scopus (Scopus) Линк	1.000	25.00

24	Todorov, T., Bogdanova, G. Ternary Equidistant Codes of Length $11 \leq n \leq 15$. Journal of Mathematical and Computational Science (JMCS), 10, 6, SCiK Publishing Corporation, 2020, ISSN:1927-5307, DOI:https://doi.org/10.28919/jmcs/4964, 2713-2721 Без JCR или SJR – индексирани в WoS или Scopus (Scopus) Линк	1.000	100.00
25	Кортезов, И. Метод на децата в блока / Method of the Children in the Skyscraper. Математика и информатика / Mathematics and Informatics, 63, 5, Национално издателство "Аз-буки", 2020, ISSN:ISSN 1310-2230, 527-537 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science)	1.000	100.00
26	Лучев, Д. Централно- и източноевропейската онлайн библиотека (CEEOL) като възможност за разпространение и за достъп до научни знания в областта на социалните и хуманитарните науки от и за Централна и Източна Европа / Central and Eastern European Online Library (CEEOL) as Possibility of Dissemination and Access to Scientific Knowledge in the Field of Social and Humanitarian Sciences from and for Central and Eastern Europe. Стратегии на образователната и научната политика / Strategies for Policy in Science and Education, 1, Национално издателство „Аз-буки“, 2020, ISSN:1310-0270, 47-68 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science) Линк	1.000	100.00
27	Чехларова, Т. Ресурси за самопроверка във Виртуалния училищен кабинет по математика / Resources for Self-Assessment in the Virtual Mathematics Laboratory. Педагогика / Pedagogika, 92, 2, Аз-буки, 2020, ISSN:0861-3982, 168-179 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science)	1.000	100.00
28	Apturkar, A., Iliev, A. I. , Anand, A., Oli, A., Siddenki, S. R., Meka, V. R.. Sentiment Analysis of Speech with Application to Various Languages. Digital Presentation and Preservation of Cultural and Scientific Heritage Conference Proceedings, Vol.10, Institute of Mathematics and Informatics – BAS, 2020, ISSN:1314-4006, 103-118 Без JCR или SJR – индексирани в WoS или Scopus (Web of Science) Линк	1.000	16.67
29	Todorov N., I. Ganchev , M. O'Droma. Exploring the Congestion Level Index for Defining the QoS Performance Profile of Internet Paths. 28th National Conference with International Participation "Telecom 2020", IEEE, 2020, DOI:10.1109/TELECOM50385.2020.9299545, 97-100 Без JCR или SJR – индексирани в WoS или Scopus (Scopus)	1.000	33.33
Коригиран брой: 29.000			

Е 1.4.1 а:

Научни публикации в рецензирани тематични сборници, издадени от международни академични издателства (публикувани)

- **Звено:** (ИМИ) Институт по математика и информатика
- **Тип на публикацията:**
Глава от научна монография
Статия в сборник на научен форум
Студия в тематичен сборник
Статия в тематичен сборник
Научно съобщение
- **Статус на изданието:** Международно академично издателство
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Bankov, K. Hunting of Lions: Inversion May Help. Engaging Young Students in Mathematics through Competitions – World Perspective and Practice, Volume 1, 1, Ch.1.3, World Scientific, 2020, ISBN:978-9811205828, DOI:https://doi.org/10.1142/9789811205835_0003, 47-59 Международно академично издателство	1.000	100.00
2	Bankov, K. Open Problems as Generalization of Tasks from Mathematics Competitions. Engaging Young Students in Mathematics through Competitions – World Perspective and Practice, Volume 1, 1, Ch.1.7, World Scientific, 2020, ISBN:978-9811205828, DOI:https://doi.org/10.1142/9789811205835_0007, 117-124 Международно академично издателство	1.000	100.00
3	Ganchev I., J. Rak, T. Cinkler, M. O'Droma. Taxonomy of Schemes for Resilient Routing. Guide to Disaster-Resilient Communication Networks, 4198, Springer, Computer Communications and Networks series., 2020, ISBN:978-3-030-44684-0 / 978-3-030-44685-7 (eBook), ISSN:1617-7975 / 2197-8433 (electronic), DOI:10.1007/978-3-030-44685-7_18, 455-482 Международно академично издателство (Scopus) Линк	1.000	25.00
4	Ganchev I., Z. Ji, M. O'Droma. Designing a Communication Tier for the IoT Platform EMULSION. IEEE International Conference "Automatics and Informatics 2020", IEEE, 2020, ISBN:978-1-7281-9308-3 Международно академично издателство (IEEE Xplore)	1.000	33.33
5	Iliev, A. I., Stanchev, P. L. Smart Ecosystems through Voice and Images. CATA 2020, Vol. 69, Proceedings of 35th International Conference on Computers and Their Applications, 2020, ISSN:2398-7340, 256-263 Международно академично издателство	1.000	100.00
6	Kounchev, O, Srebrov, B, Simeonov, G. Big Data for the Magnetic Field Variations in Solar-Terrestrial Physics. Knowledge Discovery in Big Data from Astronomy and Earth Observation, Elsevier, 2020, ISBN:978-0-12-819154-5, DOI:https://doi.org/10.1016/B978-0-12-819154-5.00031-X, 347-370 Международно академично издателство Линк	1.000	66.67
7	Lazarov, B. Evolving Ideas in Problem Series of the Chernorizec Hrabar Math Tournament.. Geretschläger, R. (ed.) Engaging Young Students in Mathematics through Competitions — Perspectives and Practices, II, World Scientific, 2020, ISBN:978-981-120-981-9, DOI:doi.org/10.1142/9789811209826_0013, 221-233 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	100.00
8	Monova-Zheleva M., E. Nikolova, Y. Zhelev. An Approach for Fostering Tel Quality Assurance Processes in Kazakh Higher Education Institutions. Proceedings of 12th International Conference on Education and New Learning Technologies Online Conference (EDULEARN20), IATED, 2020, ISBN:978-84-09-17979-4, ISSN:2340-1117, DOI:10.21125/edulearn.2020.0480, 1458-1467 Международно академично издателство Линк	1.000	100.00
9	Paneva-Marinova, D., Stoikov, J., Pavlova, L., Nikolova, A. Data Discovery and Distributed Representation for Better Cultural Heritage Observation and Learning. Proceedings of the 13th annual International Conference of Education, Research and Innovation (ICERI2020), IATED, 2020, ISBN:978-84-09-24232-0, ISSN:2340-1095, 5696-5699 Международно академично издателство Линк	1.000	75.00

10	Paneva-Marinova, D., Zlatkov, L., Pavlova, L., Luchev, D., Pavlov, R. The New Interactive Ancient World of Aquae Calidae. Proceedings of the 12th annual International Conference on Education and New Learning Technologies (EduLearn2020), Palma de Mallorca, Spain, 6-7 of July, 2020, IATED, 2020, ISBN:978-84-09-17979-4, DOI:10.21125/edulearn.2020.1907, 7516-7520 Международно академично издателство Линк	1.000	80.00
11	Todorov V., Yu. Dimitrov, R. Mlyanov, I. Dimov, St. Fidanova, St. Poryazov. An Optimization on Quadrature Formulas and Numerical Solutions of Ordinary Differential Equations. Communication Papers of the 2020 Federated Conference on Computer Science and Information Systems, 23, Polish Information Processing Society, 2020, ISSN:2300-5963, DOI:http://dx.doi.org/10.15439/2020F115, 13-16 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	50.00
12	Todorov V., I. Dimov, St. Apostolov, St. Fidanova, St. Poryazov, Yu. Dimitrov. An Optimal Monte Carlo Algorithm for a Class of Multidimensional Integrals. Communication Papers of the 2020 Federated Conference on Computer Science and Information Systems, 23, Polish Information Processing Society, 2020, ISSN:2300-5963, DOI:http://dx.doi.org/10.15439/2020F112, 17-20 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	50.00
13	Todorov V., I. Dimov, St. Fidanova, St. Poryazov. A New Optimized Stochastic Approach for Multiple Integrals in Option Pricing. Communication Papers of the 2020 Federated Conference on Computer Science and Information Systems, 23, Polish Information Processing Society, 2020, ISSN:2300-5963, DOI:http://dx.doi.org/10.15439/2020F109, 21-24 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	50.00
14	Todorov V., Tz. Ostromsky, I. Dimov, St. Fidanova. Optimized Quasi-Monte Carlo Method Based on Low Discrepancy Sequences for Sensitivity Analysis in Air Pollution Modelling. Communication Papers of the 2020 Federated Conference on Computer Science and Information Systems, 23, Polish Information Processing Society, 2020, ISSN:2300-5963, DOI:http://dx.doi.org/10.15439/2020F108, 25-28 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	25.00
15	Todorov V., Tz. Ostromsky, I. Dimov, St. Fidanova. Sensitivity Study of a Large-Scale Air Pollution Model by Using Optimized Stochastic Algorithm. Communication Papers of the 2020 Federated Conference on Computer Science and Information Systems, 23, Polish Information Processing Society, 2020, ISSN:2300-5963, DOI:http://dx.doi.org/10.15439/2020F107, 29-32 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	25.00
16	Gotsov Ts., V. Todorov, Ts. Kolev. Energetic Optimization of the Use of Battery Shunting Locomotive in Industrial Plant with Regenerative Brake. Communication Papers of the 2020 Federated Conference on Computer Science and Information Systems, 23, Polish Information Processing Society, 2020, ISSN:2300-5963, DOI:http://dx.doi.org/10.15439/2020F117, 3-6 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	33.33
Коригиран брой: 16.000			

Е 1.4.2 а:

Научни публикации в рецензирани тематични сборници, издадени от национални академични издателства (публикувани)

- **Звено: (ИМИ) Институт по математика и информатика**
- **Тип на публикацията:**
Глава от научна монография
Статия в сборник на научен форум
Студия в тематичен сборник
Статия в тематичен сборник
Научно съобщение
- **Статус на изданието:** Национално академично издателство
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Bantchev, B. Polygons for the secondary school. Proceedings of the Anniversary International Scientific Conference "Synergetics and Reflection in Mathematics Education", 16-18 October 2020, Pamporovo, Bulgaria, University Press "Paisii Hilendarski", 2020, ISBN:978-619-202-595-3, 55-60 Национално академично издателство Линк	1.000	100.00
2	Bogdanova G., B. Pehchev, L. Gulabova. Problems of mass accessibility of technological training along glocal resocialisation of recent cultural processes. Science Series "Innovative STEM Education", 2, Institute of Mathematics and Informatics, BAS, 2020, ISSN:2683-1333, 147-159 Национално академично издателство Линк	1.000	33.33
3	Bogdanova, G., Todorov, T., Noev, N. Methods for Semantic Description of Digital Data in the Field of Medical Systems. Science Series "Innovative STEM Education", Volume 2, 2020, 2, 2, Институт по математика и информатика към Българска академия на науките, 2020, ISSN:2683-1333, 48-55 Национално академично издателство Линк	1.000	100.00
4	Boumova, S., Drensky, V., Kostadinov, B. A Diophantine transport problem from 2016 and its possible solution from 1903. Mathematics and Education in Mathematics, Proceedings of the Forty-ninth Spring Conference of the Union of Bulgarian Mathematicians, 2020, ISSN:1313-3330, 89-113 Национално академично издателство Линк	1.000	66.67
5	Derzhanski, I., Siruk, O. A Bilingual Lexicosemantic Network of Bread Based on a Parallel Corpus. Proceedings of the Fourth International Conference Computational Linguistics in Bulgaria (CLIB 2020), 2020, ISSN:2367-5675, 137-146 Национално академично издателство Линк	1.000	100.00
6	Derzhanski, I., Veneva, M. Generating Natural Language Numerals with TeX. Proceedings of the Fourth International Conference Computational Linguistics in Bulgaria (CLIB 2020), 2020, ISSN:2367 5675, 112-120 Национално академично издателство Линк	1.000	50.00
7	Dimitrov Yu. Approximations for the second derivative and the Caputo fractional derivative. Numerical Solution of Fractional Differential Equations and Applications - Proc. of Short Communications, Inst. Inform. Commun. Techn. - B.A.S., 2020, ISBN:978-619-7320-09-1, 16-18 Национално академично издателство Линк	1.000	100.00
8	Draganov. B.R. Converse estimates for the simultaneous approximation by Bernstein polynomials with integer coefficients. Proc. intern. conf. "Constructive Theory of Functions", Sozopol 2019, Dedicated to the memory of Blagovest Sendov (B. Draganov, K. Ivanov, G. Nikolov and R. Uluchev, Eds.), Prof. Marin Drinov Publishing House of BAS, Sofia, 2020, ISBN:978-619-245-060-1, 39-51 Национално академично издателство Линк	1.000	100.00
9	Harizanov, S., Lazarov, R., Margenov, S., Marinov, P., Pasciak, J. Solution of spectral fractional elliptic problems: A concise overview of methods based on rational approximations. Numerical Solutions of Fractional Differential Equations and Applications, Institute of Information and Communication Technologies, 2020, ISBN:978-619-7320-09-1 (eBook), 23-26 Национално академично издателство Линк	1.000	20.00
10	Ivanov, K. G., Petrushev, P. Nonlinear spline approximation in BMO(R). Proc. intern. conf. "Constructive Theory of Functions, Sozopol 2019", B. Draganov, K. Ivanov, G. Nikolov and R. Uluchev, Eds., Prof. Marin Drinov Publishing House of BAS, 2020, ISBN:978-619-245-060-1, 73-112 Национално академично издателство (MathSciNet) Линк	1.000	50.00

11	Kiryakova, V. . Special functions of fractional calculus in solutions of fractional order equations and models. Numerical Solution of Fractional Differential Equations and Applications - Proc. of Short Communications, Inst. Inform. Communic. Techn. - B.A.S., 2020, ISBN:978-619-7320-09-1, 35-37 Национално академично издателство Линк	1.000	100.00
12	Kounchev, O. . Satwebmare Interactive Web-Mapping System In Support Of The Sustainable Management Of The Bulgarian Coastal Zone. Varna Medical Forum, 9, S1, Scientific Online Resource System, 2020, ISSN:1314-8338, 78-83 Национално академично издателство Линк	1.000	12.50
13	Luchev, D., Pavlova, L., Goynov, M. . Towards personalized content observation in an ancient history virtual museum. Mathematics and Education in Mathematics, 2020, Proceedings of the Forty-ninth Spring Conference of the Union of Bulgarian Mathematicians, 49, 2020, ISSN:1313-3330, 159-166 Национално академично издателство Линк	1.000	66.67
14	Minchev, Z., Boyanov, L. . Future Digital Society 5.0: Adversaries & Opportunities. Proceedings of ICAICTSEE – 2018, Sofia, Bulgaria, October 18-20, UNWE Publishing Complex, 2020, ISSN:2367-7643, DOI:10.13140/RG.2.2.12827.08486, 276-284 Национално академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	50.00
15	Pashinska, M., Bouykiev, I. . About OpenMP and some combinatorial algorithms. Mathematics and Education in Mathematics, Proceedings of the Forty-ninth Spring Conference of the Union of Bulgarian Mathematicians, 2020, ISSN:1313-3330, 167-172 Национално академично издателство Линк	1.000	100.00
16	Sendova, E., Vassileva, A., Kolev, E. . It is not about "brain drain", it is about "brain gain" – 20 years High School Institute of Mathematics and Informatics. Mathematics and Education in Mathematics, Proceedings of the Forty-ninth Spring Conference of the Union of Bulgarian Mathematicians., 2020, ISSN:1313-3330, 31-47 Национално академично издателство Линк	1.000	100.00
17	Zhelezova, S. . On the extension of a partial solution of d spreads to a parallelism. Mathematics and Education in Mathematics, Proceedings of the Forty-ninth Spring Conference of the Union of Bulgarian Mathematicians, 2020, ISSN:1313-3330, 173-177 Национално академично издателство Линк	1.000	100.00
18	Байчева Ц., П. Бойваленов, И. Буюклиев. 75 години от рождението на акад. Стефан Додунеков. Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, 49, 2020, ISSN:1313-3330, 48-57 Национално академично издателство Линк	1.000	100.00
19	Держански, И., Сирук, О. . Адективните и адвербиалните деминутиви в български и украински език. Доклади от Международната годишна конференция на Института за български език „Проф. Любомир Андрейчин“, 2, Издателство на БАН „Проф. Марин Дринов“, 2020, ISSN:2683-118X, 185-194 Национално академично издателство Линк	1.000	100.00
20	Келеведжиев, Е. С., Брънзов, Т., Петров, П., Шаламанов, М. . Българска платформа за състезателна информатика. Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, 49, 2020, ISSN:1313-3330, 123-130 Национално академично издателство Линк	1.000	50.00
21	Кендеров, П. Т. Чехларова. Използване на помощните файлове в онлайн състезанието "VIVA Математика с компютър". Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, СМБ, 2020, ISSN:1313-3330, 220-228 Национално академично издателство Линк	1.000	100.00
22	Лазаров, Б. . Относно оценката на постиженията на учениците в турнира „Черноризец Храбър“ и в TIMSS. Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, СМБ, 2020, ISSN:1313-3330, 229-233 Национално академично издателство	1.000	100.00
23	Рангочев, К. . Менталност и фолклорна история (българският модел). „По спиралата на познанието“. Юбилеен сборник по случай 80 години от рождението на проф. д.ф.н. Тодор Ив. Живков (1938 - 2001), Нов български университет, 2020, ISBN:978-619-233-109-2, 185-200 Национално академично издателство	1.000	100.00
24	Сирук, О., Держанський, І. Вуйко Ведмідь і Баба Меца: український та болгарський стереотипи. Стереотипът в славянските езици, литератури и култури. Сборник с доклади от Четиринадесетите международни славистични четения, София, 26–28 април 2018 г., Том I. Езикознание., Софийски университет "Св. Климент Охридски", 2020, ISBN:978-954-07-4883-2, 172-180 Национално академично издателство	1.000	100.00
25	Сирук, О., Держанський, І. Зайо Байо versus Зайчик-Побігайчик: відмінності між українським і болгарським стереотипами. Стереотипът в славянските езици, литератури и култури. Сборник с доклади от Четиринадесетите международни славистични четения, София, 26–28 април 2018 г., Том I. Езикознание., Софийски университет "Св. Климент Охридски", 2020, ISBN:978-954-07-4883-2, 163-171 Национално академично издателство	1.000	100.00

26	Самева, А., Брънзов, Т. Програма Образование с наука. Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, 49, 2020, ISSN:1313-3330, 249-260 Национално академично издателство	1.000	100.00
27	Чехларова, Т. Квалификационен курс за учители "Изучаване на стереометрия с динамични конструкции". Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, СМБ, 2020, ISSN:1313-3330, 269-274 Национално академично издателство Линк	1.000	100.00
28	Чехларова, Т. Модели на златни правоъгълници. Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, СМБ, 2020, ISSN:1313-3330, 239-245 Национално академично издателство Линк	1.000	100.00
29	Dimov I., V. Todorov , Tz. Ostromsky. Advanced Quasi Monte Carlo Methods for Sensitivity Analysis in Air Pollution Modeling. Knowledge, Language and Models, INCOMA (ИКТ), 2020, ISSN:978-954-452-062-5, 74-90 Национално академично издателство (Друга база (напишете името ѝ в "Забележката"))	1.000	33.33
Коригиран брой: 29.000			

Е 1.4.х а: Научни публикации в рецензирани тематични сборници, издадени от неакадемични издателства (публикувани)

- **Звено: (ИМИ)** Институт по математика и информатика
- **Тип на публикацията:**
Глава от научна монография
Статия в сборник на научен форум
Студия в тематичен сборник
Статия в тематичен сборник
Научно съобщение
- **Статус на изданието:**
Международно неакадемично издателство
Национално неакадемично издателство
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Иванова Кр., М. Нишева, А. Ескенази, Г. Ангелова, Н. Манева. Изкуствен интелект в и за образованието в България – мерки за постигане на надежден интелигентен растеж. Сборник доклади на 13. нац. конференция "Образованието и изследванията в информационното общество", 2020, ISSN:1314-0752, 7-20 Национално неакадемично издателство Линк	1.000	80.00
2	Сірук, О., Держанський, І. Запозичена морфологія: "українізація" болгарського префікса пре-. Драгоманівські студії. Драгоманівски студии. Матеріали одинадцятої, дванадцятої, тринадцятої та чотирнадцятої наукових конференцій "Драгоманівські студії", ІД Принт, 2020, ISSN:1314-297X, 187-197 Национално неакадемично издателство	1.000	100.00
3	Сірук, О. Текстові корпуси в компаративних дослідженнях: болгарсько-українські паралелі. Драгоманівські студії. Драгоманівски студии. Матеріали одинадцятої, дванадцятої, тринадцятої та чотирнадцятої наукових конференцій "Драгоманівські студії", ІД Принт, 2020, ISSN:1314-297X, 32-37 Национално неакадемично издателство	1.000	100.00
4	Georgieva-Tsaneva G., Sabev N. Accessibility of Software Products by People with Visual Impairment. Science Days'2019, USB branch Veliko Tarnovo, Faber, Bulgaria, 2020, ISSN:1314-228, 139-144 Национално неакадемично издателство	1.000	50.00
5	Георгиева-Цанева Г., Н. Ноев , Кр. Чешмеджиев. Организация на бази от данни за съхранение на физиологична информация. Дни на науката 2019, Сборник с доклади от научните конференции на СУБ - Велико Търново, Фабер, 2020, ISSN:1314-2283, 131-138 Национално неакадемично издателство Линк	1.000	33.33
6	Добрева-МакФерсън М., Кр. Иванова. Местните машини на времето като модел за представяне на културна информация в модели на интелигентни градове. Сборник доклади на 13. нац. конференция "Образованието и изследванията в информационното общество", 2020, ISSN:1314-0752, 21-30 Национално неакадемично издателство Линк	1.000	50.00
Коригиран брой: 6.000			

Е 1.4.у а: Научни публикации в рецензирани списания, неиндексирани в Scopus, WoS, ERIH+ (публикувани)

- **Звено:** (ИМИ) Институт по математика и информатика
- **Тип на публикацията:**
Студия в научно списание
Статия в научно списание
- **Статус на изданието:**
Международно академично издателство
Международно неакадемично издателство
Национално академично издателство
Национално неакадемично издателство
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Aleksieva, Y., Milousheva, V. Quasi-minimal Lorentz surfaces in Pseudo-Euclidean 4-space with Neutral Metric. Serdica Mathematical Journal, 46, 2, 2020, ISSN:1310-6600, 151-164 Международно академично издателство (MathSciNet) Линк	1.000	50.00
2	Bogdanova G., L. Gulabova. Interdisciplinary Approaches of Studying the Psychosomatic Indicators of Disabled People for the Aims of Medical Programming and Robotics. Cultural and Historical Heritage: Preservation, Representation, Digitalization, 6, 1, Institute of Mathematics and Informatics, BAS, 2020, ISSN:2367-8038, 121-135 Национално академично издателство Линк	1.000	50.00
3	Borisov, M., Denchev, D., Simeonov, I. Mathematical Modelling of a Two-stage Anaerobic Digestion Process with Hydrogen and Methane Production Using ADM1. Ecological Engineering and Environment Protection, 1, National Society of Ecological Engineering and Environment Protection, 2020, ISSN:1311-8668, DOI:10.32006/ееер.2020.1.1829, 18-29 Международно неакадемично издателство (Друга база (напишете името ѝ в "Забележката"))	1.000	33.33
4	Boyuvalenkov, P., Safaei, N. On 3-distance spherical 5-designs. Serdica Mathematical Journal, 46, 2, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, 2020, ISSN:1310-6600, 165-174 Национално академично издателство (MathSciNet) Линк	1.000	50.00
5	Covachev, V., Covacheva, Z. Existence of periodic solutions for an output hidden feedback Elman neural network. Journal of Software Engineering and Applications, 13, 12, Scientific Research Publishing, 2020, ISSN:1945-3124 (online), 1945-3116 (printed), DOI:10.4236/jsea.2020.1312, 348-363 Международно академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	100.00
6	Gachev, G., Tabov, J. Digital analysis of genetic proximity of the Balkan population. International Journal "Information Theories and Applications", 27, 3, ITHEA, 2020, ISSN:1310-0513, 256-272 Международно академично издателство (Друга база (напишете името ѝ в "Забележката"))	1.000	100.00
7	Lazarov, B. Didactical Mapping in Topic-Oriented Didactic Units. International Journal "Information Theories and Applications", 27, 3, ITHEA, 2020, ISSN:1310-0513, 273-287 Международно академично издателство (Друга база (напишете името ѝ в "Забележката"))	1.000	100.00
8	Mitov I. Adaptive modeling of business objects. Int. Journal Information Technologies and Knowledge, 13 (2019), 2, 2020, ISSN:ISSN 1313-0455, 180-199 Международно неакадемично издателство Линк	1.000	20.00
9	Piperkov P., G. Todorova. Methodology for Investigation of the Influence of Religious Activity on the Physiological Indicators of Heart Activity. Science Series "Innovative STEM Education", 1, Institute of Mathematics and Informatics, BAS, 2020, ISSN:2683-1333, 28-34 Национално академично издателство Линк	1.000	100.00
10	Todorov V., V. Dzhurov, T. Stanchev, I. Tsvetkov, Y. Dimitrov. Monte Carlo Sampling Techniques for Computation of Multidimensional Integrals Related to Migration. Journal Scientific and Applied Research, 16, Konstantin Preslavsky Publishing House, 2020, ISSN:1314-6289, 23-31 Национално академично издателство (Друга база (напишете името ѝ в "Забележката"))	1.000	40.00

11	Todorov V. , V. Tzvetkov, T. Stanchev, Y. Dimitrov . Quasi-Monte Carlo Methods Based on Sobol and Halton Sequences for Computation of Multidimensional Integrals Applied in Security Systems. Journal Scientific and Applied Research, 16 (2019), Konstantin Preslavsky Publishing House, 2020, ISSN:1314-6289, 16-22 Национално академично издателство (Друга база (напишете името ѝ в "Забележката"))	1.000	50.00
12	Todorov, T. , J. Stoinov. Integration of specialized hardware with cloud based system. International journal of electrical engineering and technology (IJEET), 11, 5, IAEME Publication, 2020, ISSN:0976-6545, 127-136 Международно академично издателство Линк	1.000	50.00
13	Иванова Кр. , М. Добрева-МакФерсън, М. Миховски. Стандарти за културно наследство и възможностите за включване на метаданни за безразрушителен контрол и оценка на артефактите. Int. Journal NDT Days, III, 5, BgS-NDT, 2020, ISSN:2603-4018, 327-333 Национално неакадемично издателство Линк	1.000	33.33
14	Сотирова-Вълкова, К. . FAIR принципи за дигитални хранилища: същност и приложимост към обекти на културното наследство. Научна поредица "КИН: опазване, представяне, дигитализация", 6, брой 2 (9)/20, ИМИ-БАН, 2020, ISSN:2367-8038, 64-76 Национално академично издателство Линк	1.000	100.00
15	Чехларова, Т. И. Петков. Модел на общуване в часовете по информационни технологии. Педагогически форум, 3, ДИПКУ на Тракийски университет, 2020, ISSN:1314-7986, DOI:DOI: 10.15547/PF.2020.019, 18-24 Национално академично издателство (Друга база (напишете името ѝ в "Забележката")) Линк	1.000	50.00
16	Чехларова, Т. Степен на удовлетвореност и умора при подготовката за (и при провеждането на) дистанционно обучение през периода 16-20 март 2020 г.. Педагогически форум, 2, ДИПКУ на Тракийски университет, 2020, ISSN:1314-7986, DOI:10.15547/PF.2020.013 Национално академично издателство Линк	1.000	100.00
17	Atanasov, K., Andonov, V. . Generalized nets and intuitionistic fuzzy pairs as tools for modelling of flexible manufacturing systems. Notes on intuitionistic fuzzy sets. Notes on Intuitionistic Fuzzy Sets, 26, 2, 2020, ISSN:1310-4926, DOI:https://doi.org/10.7546/nifs.2020.26.2.40-69, 40-69 Национално академично издателство Линк	1.000	50.00
18	Aydarova Zv., Ts. Kotsev, A. Tchorbadjieff , E. Tcherkezova, V. Stoyanova. Grouping of groundwater monitoring points in river floodplain according to the conditions for arsenic contamination. PROBLEMS OF GEOGRAPHY, 2020, 1-2, 2020, ISSN:0204-7209, DOI:https://doi.org/10.35101/prg-2020.1-2.6, 79-100 Национално академично издателство Линк	1.000	20.00
19	Слободская, И., Луканкин, А., Лазаров, Б. . О применение нечетких множеств для оценки уровня подготовки обучаемого. Дидактическо моделиране, VII, ИМИ-БАН, 2020, ISSN:1314-1651, 37-44 Национално академично издателство	1.000	33.33
Коригиран брой: 19.000			

Е 1.6.1 а:
Научни монографии (първа част - книги), издадени от реномирани международни издателства (публикувани)

- **Звено:** (ИМИ) Институт по математика и информатика
- **Тип на публикацията:** Научна монография
- **Тип издателство:** Реномирано международно издателство
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Shishkov, B.B. . Designing Enterprise Information Systems: Merging Enterprise Modeling and Software Specification. Springer Nature, 2020, ISBN:978-3-030-22440-0, DOI:https://doi.org/10.1007/978-3-030-22441-7, 234 Реномирано международно издателство (Scopus) Линк	1.000	100.00
2	Tatto, M., Rodriguez, M., Reckase, M., Smith, W., Bankov, K. , Pippin, K.. The First Five Years of Teaching Mathematics (FIRSTMATH). Concepts, Methods and Strategies for Comparative International Research. Springer International Publishing, 2020, ISBN:978-3-030-44047-3, DOI:10.1007/978-3-030-44047-3, 151 Реномирано международно издателство Линк	1.000	16.67
Коригиран брой: 2.000			

Е 1.6.х а:
Научни монографии (първа част - книги), други
(публикувани)

- **Звено:** (ИМИ) Институт по математика и информатика
- **Тип на публикацията:** Научна монография
- **Тип издателство:** Друго
- **Година на публикуване:** 2020 ÷ 2020
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Kyurkchiev, N., Iliev, A., Golev, A., Rahnev, A. . Some Non-standard Models in "Debugging and Test Theory" (Part 4). Plovdiv University Press, 2020, ISBN:678-619-2-02584-7, 161 Друго Линк	1.000	50.00
2	Kyurkchiev, N., Iliev, A., Rahnev, A. . A Look at the New Logistic Models with "Polynomial Variable Transfer". LAP LAMBERT Academic Publishing, 2020, ISBN:978-620-2-56595-0, 133 Друго	1.000	66.67
3	Lazarov, B. . Developing Competence via Socratic Style Teaching in Secondary School Extracurricular Activities. Институт по математика и информатика - БАН, 2020, ISBN:978-954-8986-55-7, 164 Друго	1.000	100.00
4	Milousheva, V. . On the Geometry of Semi-Symmetric Hypersurfaces in Euclidean Space. Lambert Academic Publishing, 2020, ISBN:978-620-3-04219-1, 132 Друго Линк	1.000	100.00
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