XX a: Всички публикации - публикувани

- **Звено: (ИФТТ) Институт по физика на твърдото тяло**
- **Тип на публикацията**:
  Научна монография
  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
- **Година на публикуване**: 2021 ÷ 2021
- **Тип записи**: Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Atanassova, V., Ghervase, L., Cortea, I. M., Mihailov, V., Tankova, V., Nikolov, V.. Multi-analytical approach for characterization of archaeological pottery excavated in the Early-Neolithic settlement of Chavdar, Bulgaria. Spectroscopy Letters, 54, 7, Taylor & Francis Ltd., 2021, ISSN:00387010, DOI:10.1080/00387010.2021.1957940, 549-559. SJR (Scopus):0.23, JCR-IF (Web of Science):1.179 Q3 (Web of Science) Линк	1.000	50.00
2	Avramov I., Radeva E., Lazarov Y., Grakov T., Vergov L.. Sensitivity Enhancement in Plasma Polymer Films for Surface Acoustic Wave Based Sensor Applications. Coatings, Volume 11, Issue 10, 2021, ISSN:20796412, SJR (Scopus):0.48, JCR-IF (Web of Science):2.881 Q2 (Web of Science) Линк	1.000	100.00
3	Blagoev, B., Terziyska, P., Tzvetkov, P., Kovacheva, D., Ivanov, P., Mehandzhiev, V., Dimitrov, D.. Low Temperature ALD Films On Transparent And Flexible Substrates. Proc. XXX International Scientific Conference Electronics - ET2021, September 15 - 17, 2021, Sozopol, Bulgaria, 2021, SJR (Scopus):0.11 **SJR, непопадащ в Q категория (IEEE Xplore)** Линк	1.000	57.14
4	Boyan T. Torosov, Bruce W. Shore, Nikolay V. Vitanov. Coherent control techniques for two-state quantum systems: A comparative study. Physical Review A, American Physical Society, 2021, DOI:https://doi.org/10.1103/PhysRevA.103.033110, JCR-IF (Web of Science):3.14 **Q1, не оглавява ранглистата** Линк	1.000	33.33
5	Buchkov, K, Galluzzi, A, Blagoev, B, Paskaleva, A., Terziyska, P., Stanchev, T, Mehandzhiev, V, Tzvetkov, P, Kovacheva, D, Avramova, I. Magneto-optical characterization of ZnO / Ni nano-laminate obtained via Atomic Layer Deposition. Journal of Physics: Conference Series, 1762, IOP, 2021, DOI:10.1088/1742-6596/1762/1/012041, 012041. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	60.00
6	Buchkov, K, Todorov, R, Terziyska, P, Gospodinov, M, Strijkova, V, Dimitrov, D, Marinova, V. Anisotropic Optical Response of WTe2 Single Crystals Studied by Ellipsometric Analysis. Nanomaterials, 11, 9, MDPI, 2021, DOI:https://doi.org/10.3390/nano11092262, 2262. SJR (Scopus):0.919, JCR-IF (Web of Science):5.076 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	57.14
7	Chamati, H. Scaling behavior of confined O(n) systems involving long-range interaction. Journal of Theoretical and Applied Mechanics (Bulgaria), 51, 2, 2021, ISSN:1314-8710, 105. SJR (Scopus):0.2 Q4 (Web of Science) Линк	1.000	100.00
8	Dimitrov, D. Z., Chen, Z. F., Marinova, V., Petrova, D., Ho, C. Y., Napoleonov, B., Blagoev, B., Strijkova, V., Hsu, K. Y., Lin, S. H., Juang, J-Y. ALD Deposited ZnO:Al Films on Mica for Flexible PDLC Devices. Nanomaterials, 11, 4, 2021, DOI:https://doi.org/10.3390/nano11041011, 1011. SJR (Scopus):0.919, JCR-IF (Web of Science):5.076 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	18.18
9	Dimitrova, Z.I., Vitanov, K.N.. Homogeneous balance method and auxiliary equation method as particular cases of simple equations method (SEsM). AIP Conference Proceedings, 2321, AIP, 2021, DOI:10.1063/5.0043070, 030004. SJR (Scopus):0.18 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	50.00
10	Dzhurkov, V., Levi, Z., Nesheva, D., Hristova-Vasileva, T., Terziyska, P.. Properties of ZnSe nanocrystalline thin films prepared by thermal evaporation. Journal of Physics: Conference Series, 1762, Institute of Physics Publishing, 2021, ISSN:1742-6588, DOI:doi:10.1088/1742-6596/1762/1/012036, 012036. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	100.00

11	Dzhurkov, V., Levi, Z., Nesheva, D., Hristova-Vasileva, T.. Effect of Layer Thickness and Preparation Conditions on the Properties and Ethanol Sensitivity of ZnSe Thin Films. Newest Updates in Physical Science Research, 3, Book Publisher International, 2021, ISBN:Print ISBN: 978-93-90768-16-5, eBook ISBN: 978-93-90768-29-5, DOI:10.9734/bpi/nupsr/v3/8080D, 10, 125-134 **Международно неакадемично издателство** Линк	1.000	100.00
12	Esmeryan K. D., Fedchenko Y. I., Yankov G. P., Temelkov K. A.. Laser irradiation of super-nonwettable carbon soot coatings–physicochemical implications. Coatings, 11, 1, MDPI, 2021, DOI:https://doi.org/10.3390/coatings11010058, JCR-IF (Web of Science):2.881 Q2 (Web of Science) Линк	1.000	100.00
13	Esmeryan K. D., Castano C. E., Gyoshev S. D., Lazarov Y., Stoimenov N. I., Mohammadi R.. On the dynamics of contact line freezing of water droplets on superhydrophobic carbon soot coatings. Current Applied Physics, 31, Elsevier, 2021, DOI:https://doi.org/10.1016/j.cap.2021.07.015, 74-86. JCR-IF (Web of Science):2.48 Q2 (Web of Science) Линк	1.000	33.33
14	Esmeryan K. D., Chaushev T. A.. Complex characterization of human urine using super-nonwettable soot coated quartz crystal microbalance sensors. Sensors & Actuators A Physical, 317, Elsevier, 2021, DOI:https://doi.org/10.1016/j.sna.2020.112480, 112480. JCR-IF (Web of Science):3.407 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	50.00
15	Esmeryan K. D., Gyoshev S. D., Castano C. E., Mohammadi R.. Anti-frosting and defrosting performance of chemically modified super-nonwettable carbon soot coatings. Journal of Physics D Applied Physics, 54, 1, IOP Publishing, 2021, DOI:https://doi.org/10.1088/1361-6463/abb7b9, 015303. JCR-IF (Web of Science):3.207 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	25.00
16	Esmeryan K. D., Stoimenov N. I.. Studying the bulk and contour ice nucleation of water droplets via quartz crystal microbalances. Micromachines, 12, 4, MDPI, 2021, JCR-IF (Web of Science):2.891 Q2 (Web of Science) Линк	1.000	50.00
17	Esmeryan K. D.. Critical Aspects in Fabricating Multifunctional Super-Nonwettable Coatings Exhibiting Icephobic and Anti-Biofouling Properties. Coatings, 11, 3, MDPI, 2021, DOI:https://doi.org/10.3390/coatings11030339, JCR-IF (Web of Science):2.881 Q2 (Web of Science) Линк	1.000	100.00
18	Gegova-Dzhurkova, R., Nesheva, D., Dzhurkov, V., Scepanovic, M., Grujić-Brojčin, M., Bineva, I., Mihailov, V., Levi, Z., Manolov, E., Popovic, Z.V.. Modification of surface morphology and lattice order in nanocrystalline ZnO thin films prepared by spin-coating sol–gel method. Journal of Sol-Gel Science and Technology, 100, 1, Springer, 2021, ISSN:0928-0707, DOI:https://doi.org/10.1007/s10971-021-05635-6, 55-67. JCR-IF (Web of Science):2.326 Q2 (Web of Science) Линк	1.000	70.00
19	Gegova-Dzhurkova, R., Nesheva, D., Mihailov, V., Dzhurkov, V., Terziyska, P., Manolov, E.. Effect of infrared laser irradiation on electrical conductivity and ethanol sensitivity of sol gel ZnO thin films. Journal of Physics: Conference Series, 1762, Institute of Physics Publishing, 2021, ISSN:1742-6588, DOI:doi:10.1088/1742-6596/1762/1/012037, 012037. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	100.00
20	Georgiev, M, Chamati, H. An Exchange Mechanism for the Magnetic Behavior of Er3+ Complexes. 16, 26, Multidisciplinary Digital Publishing Institute, 2021, DOI:https://doi.org/10.3390/molecules26164922, JCR-IF (Web of Science):3.267 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	100.00
21	Georgiev, M, Chamati, H. Molecular magnetism in the multi-configurational self-consistent field method. J. Phys.: Condens. Matter, 33, 7, Institute of Physics, 2021, ISSN:0953-8984, DOI:10.1088/1361-648X/abc802, SJR (Scopus):0.94, JCR-IF (Web of Science):2.705 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	100.00
22	Georgiev, M, Chamati, H. Origin of the magnetic exchange in insulators: Localized vs. delocalized electrons. Journal of Physics: Conference Series, 1762, Institute of Physics, 2021, DOI:10.1088/1742-6596/1762/1/012019, SJR (Scopus):0.23 Q4 (Web of Science) Линк	1.000	100.00
23	Georgiev, M. Discrete dynamics of energy and momentum transfer. Journal of Physics: Conference Series, 1762, Institute of Physics, 2021, DOI:10.1088/1742-6596/1762/1/012021, SJR (Scopus):0.23 Q4 (Web of Science) Линк	1.000	100.00
24	Hadjichristov, G. B., Marinov, Y. G., Vlakhov, T.E., Scaramuzza, N.. Phospholipid Langmuir-Blodgett nano-thin monolayers: electrical response to Cadmium ions and harmful volatile organic compounds. Advances in Biomembranes and Lipid Self-Assembly, 34, Chapter 5, 2021, DOI:10.1016/bs.abl.2021.11.005, 129-172. SJR (Scopus):0.28 Q4 (Scopus) Линк	1.000	75.00
25	Hadjichristov, G. B., Vlakhov, T. E., Marinov, Y. G., Scaramuzza, N.. Ion-conducting flexible thin films of composites from poly(ethylene oxide) and nematic liquid crystals E8—characterization by impedance and dielectric relaxation spectroscopy. Polymers, 13, 24, MDPI, 2021, ISSN:2073-4360, DOI:10.3390/polym13244465, 4465-1-4465-27. SJR (Scopus):0.77, JCR-IF (Web of Science):4.329 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	75.00
26	Hadjichristov, G.B., Exner, G.K., Marinov, Y.G., Vlakhov, T.E.. Photo-electrical response of nanocomposites of single-walled carbon nanotubes incorporated in tris(keto-hydrozone) discotic mesogen. Journal of Physics: Conference Series, 1762, IOP, 2021, ISSN:17426588, DOI:10.1088/1742-6596/1762/1/012011, 012011. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	75.00
27	Iordanova E., Yankov G., Daskalova A., Dikovska A., Angelova L., Aceti D., Filipov E., Stanev G., Calin B., Zamfirescu M.. Ultra-short laser modification of chitosan/silver nanoparticles (AgNPs) thin films for potential antimicrobial applications. IOP Material Science and Engineering, 1056, 2021, SJR (Scopus):0.198 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	20.00

28	Ivan D. Avramov. The Quartz Surface Microbalance - a Possible Candidate for Rapid Respiratory Virus Detection. 2021 IEEE International Symposium on Applications of Ferroelectrics (ISAF), IEEE Explore, 2021, DOI:DOI: 10.1109/ISAF51943.2021.9477383 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	100.00
29	Ivanov O., Todorov P., Simeonov K., Vaseashta A.. Experimental Control of a Reaction Occurring during the Interaction between Chicken Anemia Virus (CAV) and Its Corresponding Antibodies. bioRxiv 2021.02.12.430950, 2021, DOI:https://doi.org/10.1101/2021.02.12.430950 **В депозитна база (напр. arxiv) (Scopus)** Линк	1.000	25.00
30	Ivanov, P.Ch.. The New Field of Network Physiology: Building the Human Physiolome. Frontiers in Network Physiology, 1, Frontiers Media, 2021, DOI:10.3389/fnetp.2021.711778, 711778 **Международно академично издателство** Линк	1.000	100.00
31	Kamburova, R. S., Primatarowa, M. T.. Bound soliton - defect spin states in anisotropic ferromagnetic chains. Journal of Physics: Conference Series, 1762, IOP Science, 2021, ISSN:ISSN: 1742-6596, DOI:https://doi.org/10.1088/1742-6596/1762/1/012020, SJR (Scopus):0.23 Q4 (Scopus) Линк	1.000	100.00
32	Kamisheva, G.. Consequences of Maneff's theory. Advances in theoretical and computational physics, 4, 3, PAST, 2021, ISSN:2639-0108, 231-233 **Друго** Линк	1.000	100.00
33	Kostadinov, I. K., Astadjov, D. N., Yankov, G. P., Popova, L. T., Slaveeva, S. I., Fedchenko, Yu. I., Temelkov, K. A.. High-beam-quality sealed-off master oscillator–power amplifier system oscillating in the visible spectral range on atomic copper transitions for micromachining in research and technology. Journal of Physics: Conference Series, 1859, 1, IOP Publishing, 2021, 012056. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	100.00
34	Kostadinov, I. K., Temelkov, K. A., Astadjov, D. N., Slaveeva, S. I., Yankov, G. P., Sabotinov, N. V.. High-power copper bromide vapor laser. Optics Communications, 501, 2021, 127363. JCR-IF (Web of Science):2.31 Q2 (Web of Science) Линк	1.000	100.00
35	Kostadinov, I. K., Temelkov, K. A., Slaveeva, S. I., Ivanov, B. L., Sabotinov, N. V.. High-power single-tube Sr vapor laser oscillating in the Mid-IR spectral range. IEEE Journal of Quantum Electronics, 57, 5, 2021, 1500206. JCR-IF (Web of Science):2.318 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	80.00
36	Kostadinov, I. K., Yankov, G. P., Popova, L. T., Slaveeva, S. I., Fedchenko, Yu. I., Temelkov, K. A.. High-power high-beam-quality sealed-off master oscillator–power amplifier system oscillating in the middle infrared spectral range on strontium atomic transitions. Journal of Physics: Conference Series, 1859, 1, IOP Publishing, 2021, 012054. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	100.00
37	Kuneva, M. K., Tonchev, S. H., Antonova, K. T.. Phase composition analysis of proton exchanged LiNbO3 and LiTaO3 by IR spectra deconvolution. Advances in Materials Science Research, 47, Nova Publishers, 2021, ISBN:Print: 9781685073121; 1685073123 eBook: 9781685073283; 168507328X, DOI:https://doi.org/10.52305/MNQH8929, 31 **Международно академично издателство (Web of Science)** Линк	1.000	100.00
38	Kuneva, M. K., Tonchev, S. H., Christova, K.. Phase composition and stress in proton exchanged waveguides in LiNbO3 and LiTaO3. Newest Updates in Physical Science Research, 5, BPInternational, 2021, ISBN:ISBN-13(15): 978-93-90888-34-4 (Print); 978-93-90888-41-2 (eBook), DOI:https://doi.org/10.9734/bpi/nupsr/v5/2074F, 12, 140-151 **Международно академично издателство** Линк	1.000	100.00
39	Mishonov, T M, Varonov, A M. Scientific instrument for creation of effective Cooper pair mass spectroscopy. Journal of Physics: Conference Series, 1752, 012013, Institute of Physics, 2021, DOI:10.1088/1742-6596/1762/1/012013, 1-8. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	100.00
40	Mishonov, T M, Dimitrova, I M, Varonov, A M. Sound absorption in partially ionized hydrogen plasma and heating mechanism of solar chromosphere. Physica A: Statistical Mechanics and its Applications, 563, 1, Elsevier B.V., 2021, ISSN:03784371, DOI:10.1016/j.physa.2020.125442, 125442. SJR (Scopus):0.712, JCR-IF (Web of Science):2.924 Q2 (Web of Science) Линк	1.000	100.00
41	Mishonov, T. M., Petkov, A. P., Andreoni, M., Petkov, E. G., Varonov, A. M., Dimitrova, I. M., Velkoska, L., Popeski-Dimovski, R.. Problem of the 8th Experimental Physics Olympiad, Skopje, 8 May 2021 Determination of Planck constant by LED. 2021, DOI:arXiv:2106.01337 [physics.ed-ph] **В депозитна база (напр. arxiv)** Линк	1.000	37.50
42	Mishonov, Todor M., Dimitrova, Iglika M., Varonov, Albert M.. On the Influence of the Ionization–Recombination Processes on the Hydrogen Plasma Polytropic Index. The Astrophysical Journal, 916, 1, Institute of Physics, 2021, DOI:10.3847/1538-4357/ac0629, SJR (Scopus):2.38, JCR-IF (Web of Science):5.877 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	100.00
43	Mishonov, Todor M., Dimitrova, Iglika M., Serafimov, Nikola S., Petkov, Emil G., Varonov, Albert M.. Q-factor of the resonators with Frequency Dependent Negative Resistor. IEEE Transactions on Circuits and Systems II: Express Briefs, (Early Access), IEEE, 2021, ISSN:1558-3791, DOI:10.1109/TCSII.2021.3111488, SJR (Scopus):0.8, JCR-IF (Web of Science):3.292 **Q1, не оглавява ранглистата** (Scopus) Линк	1.000	60.00
44	Mishonov, Todor M., Petkov, Aleksander P., Andreoni, Matteo, Petkov, Emil G., Varonov, Albert M., Dimitrova, Iglika M., Velkoska, Leonora, Popeski-Dimovski, Riste. Problem of the 8-th Experimental Physics Olympiad, Skopje, 8 May 2021 Determination of Planck constant by LED. Обучение по природни науки и върхови технологии, 30, 3, Аз-буки, 2021, ISSN:2738-7143, DOI:10.53656/nat2021-3.02 **Национално академично издателство** Линк	1.000	37.50

45	Mishonov, Todor M., Petkov, Emil G., Dimitrova, Iglika M., Serafimov, Nikola S., Varonov, Albert M.. Probability distribution function of crossover frequency of operational amplifiers. Measurement, 179, Elsevier, 2021, ISSN:02632241, DOI:10.1016/j.measurement.2021.109509, 109509. SJR (Scopus):0.77, JCR-IF (Web of Science):3.927 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	60.00
46	Mishonov, Todor M., Zahariev, Nedelcho I., Varonov, Albert M.. Hot and cold spots along the Fermi contour of high-Tc cuprates in the framework of Shubin-Kondo-Zener \textit{s-d} exchange interaction. 2021, DOI:arXiv:2111.06716 [cond-mat.supr-con] **В депозитна база (напр. arxiv)**	1.000	66.67
47	Mishonov, Todor M, Andreoni, Matteo, Mihaylova, Nelly Zh, Varonov, Albert M. Determination of effective magnon mass of neodymium magnet by temperature dependence of spontaneous magnetization. European Journal of Physics, 42, 045502, Institute of Physics, 2021, DOI:10.1088/1361-6404/abf6ec, 1-14. SJR (Scopus):0.42, JCR-IF (Web of Science):0.781 Q2 (Web of Science) Линк	1.000	50.00
48	Nesheva, D, Fogarassy, Z, Fabian, F, Hristova-Vasileva, T, Sulyok, A, Bineva, I, Evgenia Valcheva, Antonova, K, Petrik, P. Influence of fast neutron irradiation on the phase composition and optical properties of homogeneous SiOx and composite Si–SiOx thin films.. Journal of Materials Science, 56, Springer Nature, 2021, ISSN:1573-4803, DOI:https://doi.org/10.1007/s10853-020-05338-3, 3197-3209. SJR (Scopus):0.8, JCR-IF (Web of Science):4.22 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	44.44
49	Nikola Sabotinov. Bulgarian scientific contribution to the development of metal vapor lasers. Academia Letters, art. No. 2194, 2021 **Друго** Линк	1.000	100.00
50	Panajotov, K., Tlidi, M., Song, Y., Zhang, H.. Discrete light bullets in coupled optical resonators. Optics Letters, 46, 16, OSA, 2021, DOI:10.1364/OL.433629, 4072-4075. JCR-IF (Web of Science):3.776 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	25.00
51	Paskaleva, A., Blagoev, B. S., Terziyska, P. T., Mehandzhiev, V., Tzvetkov, P., Kovacheva, D., Avramova, I., Spassov, D., Ivanova, T.,, Gesheva, K.. Structural, morphological and optical properties of atomic layer deposited transition metal (Co, Ni or Fe)- doped ZnO layers. Journal of Materials Science: Materials in Electronics, 32, Springer, 2021, DOI:https://doi.org/10.1007/s10854-021-05425-4, 7162-7175. SJR (Scopus):0.49, JCR-IF (Web of Science):2.478 Q2 (Web of Science) Линк	1.000	50.00
52	Paskaleva, A, Chamati, H, Genova, J. Progress and Perspectives in Functional Materials. physica status solidi a, 218, 17, Wiley, 2021, ISSN:1862-6319, DOI:10.1002/pssa.202100548, 2100548. SJR (Scopus):0.53, JCR-IF (Web of Science):1.981 Q2 (Scopus) Линк	1.000	100.00
53	Primatarowa, M. T., Kamburova, R. S.. Soliton Scattering on Impurities with Modified Exchange Interactions in Anisotropic Ferromagnetic Chains. Journal of Physics: Conference Series, 1762, IOP Science, 2021, ISSN:ISSN: 1742-6596, DOI:doi:10.1088/1742-6596/1762/1/012014, SJR (Scopus):0.227 Q4 (Scopus) Линк	1.000	100.00
54	Rafailov, P. M., Marinova, V., Todorov, R., Boyadjiev, S.. An Optical Excitation Study of Pure and Ru-doped Bi12SiO20 Crystals with Graphene Coating. Journal of Physics: Conference Series, 1762, 1, IOP Publishing, 2021, DOI:10.1088/1742-6596/1762/1/012024, 012024. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	50.00
55	Santhosh, P.. Gold nanoparticles: Phospholipid membrane interactions. 1, 34, Elsevier, 2021, ISBN:9780323914994, DOI:10.1016/bs.abl.2021.11.006, SJR (Scopus):0.276 Q4 (Scopus) Линк	1.000	100.00
56	Shopova, Diana V.. Thermodynamic analysis of magnetic phase transitions in the ferromagnetic superconductor UGe2 at ambient pressure. arXiv:2108.09512 [cond-mat.supr-con], 2021, SJR (Scopus):0.001, JCR-IF (Web of Science):0.001 **В депозитна база (напр. arxiv)** Линк	1.000	100.00
57	Slavkova, Z., Drinova, N., Chamati, H., Genova, J.. Influence of sucrose on the phase behaviour of phospholipid model systems. Journal of Physics Conference Series, 1762, 2021, SJR (Scopus):0.23 Q4 (Web of Science) Линк	1.000	100.00
58	Spassov, D., Paskaleva, A., Guziewicz, E, Wozniak, W, Stanchev, T, Ivanov, Tz., Wojewoda-Budka, J., Janusz-Skuza, M. Effect of blocking and tunnel oxide layers on the charge trapping properties of MIS capacitors with ALD HfO2/Al2O3 nanolaminated films,. Journal of Physics: Conference Series, 1762, IOP, 2021, DOI:https://doi.org/10.1088/1742-6596/1762/1/012038, 012038. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	50.00
59	Spassov, D., Paskaleva, A., Guziewicz, E., Davidović, V., Stanković, S., Djorić-Veljković, S., Ivanov, T., Stanchev, T., Stojadinović, N.. Radiation Tolerance and Charge Trapping Enhancement of ALD HfO2/Al2O3 Nanolaminated Dielectrics.. Materials, 14, 4, MDPI, 2021, DOI:https://doi.org/10.3390/ma14040849, 849. JCR-IF (Web of Science):3.623 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	44.44
60	Spassov, D., Paskaleva, A.. Optimization of HfO2/Al2O3 Dielectric Stacks for Charge Trapping Memories. Proc. IEEE 32st International Conference on Microelectronics, MIEL 2021,, IEEE, 2021, ISBN:978-1-6654-4526-9, DOI:10.1109/MIEL52794.2021.9569085, 149-152 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	100.00

61	Stoyanova-Ivanova, A., G. Ivanova, E. Leffterova, V. Petrova, O. Petkov, A. Stoyanova. “Influence of various preparation methods on the electrochemical properties of the active Zn mass with conductive cuprate ceramics as additives”. CURRENT TOPICS IN ELECTROCHEMISTRY, vol. 23, 2021, ISSN:0972-4443, 25-32. SJR (Scopus):0.12 Q4 (Scopus) Линк	1.000	33.33
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96	Emil Filipov, Albena Daskalova, Liliya Angelova, Radostin Stefanov, Dragomir Tatchev, Georgi Avdeev, Lamborghini Sotelo, Silke Christiansen, Gerd Leuchs, Ekaterina Iordanova, Ivan Bychvarov. Ultra-short Laser Surface Properties Optimization of Biocompatibility Characteristics of 3D PCL and Hydroxyapatite Composite Scaffolds. Materials, 7513, 2021, DOI:https://doi.org/10.3390/ma14247513, SJR (Scopus):0.68, JCR-IF (Web of Science):3.623 Q2 (Scopus) Линк	1.000	9.09
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102	I. Balchev, T. Nurgaliev, I. K. Kostadinov, L. Lakov, M. Aleksandrova, G. Avdeev, E. Valcheva, S. Russev, K. Genkov, T. Milenov. RF magnetron sputtering of Bi12TiO20 thin films on various substrates. Journal of Physics: Conference Series, 1859, 1, 2021, 012060. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	10.00
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114	Milenov, T. I., Avramova, I. A., Dikovska, A., Karaivanova, A., Terziyska, P., Kolev, S.K., Karashanova, D., Georgieva, B, Dimov, D., Atanasov, V., Valcheva, E.P.. Modification of graphene-like, hydrogenated amorphous, hydrogenated tetrahedral amorphous carbon and amorphous carbon thin films by UV-C light. Surfaces and Interfaces, 24, 2021, DOI:https://doi.org/10.1016/j.surfin.2021.101073, 101073. SJR (Scopus):0.71, JCR-IF (Web of Science):4.837 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	9.09
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116	Minev, N., Buchkov, K., Dikov, H., Videva, V., Avramova, I., Rafailov, P., Dimitrov, D.. Properties Analysis of 2D PtSe2 Layers Grown by Thermally Assisted Conversion of Chemical Vapor Deposition. Institute of Electrical and Electronics Engineers Inc., IEEE, 2021, ISBN:978-1-6654-4518-4, DOI:10.1109/ET52713.2021.9579921, 9579921 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	42.86
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119	Nadya Stankova, Anastas Nikolov, Ekaterina Iordanova, Georgi Yankov, Nikolay Nedyalkov, Petar Atanasov, Dragomir Tatchev, Eugenia Valova, Konstantin Kolev, Stephan Armyanov, Daniela Karashanova, Naoki Fukata. New Approach toward Laser-Assisted Modification of Biocompatible Polymers Relevant to Neural Interfacing Technologies. Polymers, 13, 17, 2021, DOI:https://doi.org/10.3390/polym13173004, SJR (Scopus):0.77, JCR-IF (Web of Science):4.329 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	16.67
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121	Ortega, D, Rodríguez-Laguna, J, Korutcheva, E. Avalanches in an extended Schelling model: An explanation of urban gentrification. Physica A: Statistical Mechanics and its Applications, 573, Elsevier, 2021, ISSN:0378-4371, DOI:10.1016/j.physa.2021.125943, 125943. JCR-IF (Web of Science):3.263 Q2 (Web of Science) Линк	1.000	33.33
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129	Solovjov A. L., Petrenko E. V., Omelchenko L. V., Nazarova E., Buchkov K., Rogacki K.. Fluctuating Cooper pairs in FeSe at temperatures exceeding double Tc. Supercond. Sci and Technol., 34, 1, IOPScience, 2021, ISSN:Online ISSN: 1361-6668 Print ISSN: 0953-2048, DOI:https://doi.org/10.1088/1361-6668/abc2ac, 015013. SJR (Scopus):1.033, JCR-IF (Web of Science):3.067 Q2 (Scopus) Линк	1.000	33.33
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132	Stefanov, B.I., Blagoev, B.S., Österlund, L., Tzaneva, B.R., Angelov, G.V.. Effects of anodic aluminum oxide substrate pore geometry on the gas-phase photocatalytic activity of zno/al2o3 composites prepared by atomic layer deposition. Symmetry, 13, 8, 2021, DOI:https://doi.org/10.3390/sym13081456, 1456. SJR (Scopus):0.39, JCR-IF (Web of Science):2.713 Q2 (Web of Science) Линк	1.000	20.00
133	T. Milenov, D. Dimov, A. Nikolov, N. Stankova, I. Avramova, G. Avdeev, S. Russev, D. Karashanova, B. Georgieva, I. K. Kostadinov. Nd:YAG laser ablation of micro-crystalline graphite in a water suspension. Journal of Physics: Conference Series, 1859, 1, 2021, 012006. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	10.00
134	Todorov R., Hristova-Vasileva T., Atanasova A., Katrova V., Milushev G.. Preparation and optical characterization of Au – In films for plasmonic applications. Journal of Physics: Conference Series, 1762, IOP Publishing, 2021, ISSN:1742-6596, DOI:10.1088/1742-6596/1762/1/012022, 012022. SJR (Scopus):0.21 Q4 (Scopus) Линк	1.000	20.00
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137	Tseng, Y.-C., Lin, C.-M., Jian, S.-R., Lee, P.H., Gospodinov, M.M., Marinova, V., Dimitrov, D.Z., Luo, C.-W., Wu, K.-H., Zhang, D.-Z., Juang, J.-Y.. Structural and electronic phase transition in Bi2Se2.1Te0.9 under pressure. Journal of Physics and Chemistry of Solids, 156, 2021, 110123. JCR-IF (Web of Science):3.995 Q2 (Web of Science) Линк	1.000	18.18
138	Veljković, S., Mitrović, N, Djorić-Veljković, S, Davidović, V, Manić, I., Golubović, S, Paskaleva, A., Spassov, D., Prijić, Z, Prijić, A., Stanković, S, Danković, D. Effects of Bias Temperature Stress and Irradiation in Commercial p-Channel Power VDMOS Transistors. Proc. IEEE 32st International Conference on Microelectronics, MIEL 2021,, IEEE, 2021, ISBN:978-1-6654-4526-9, DOI:10.1109/MIEL52794.2021.9569154, 345-348 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	16.67
139	Verseils, M., Litvinchuk, A. P., Brubach, J.-B., Roy, P., Beauvois, K., Ressouche, E., Skumryev, V., Gospodinov, M., Simonet, V., de Brion, S.. Infrared phonon spectroscopy on the Cairo pentagonal antiferromagnet Bi2Fe4O9: A study through the pressure-induced structural transition. Physical Review B, 103, American Physical Society, 2021, 174403. JCR-IF (Web of Science):4.036 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	10.00
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Коригиран брой: 143.000			