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**: 2022 ÷ 2022
- **Тип записи**: Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	**Angelova, E**, **Chamati, H**. Dynamic simulation of the energy spectrum of phonons in the magnetic bcc iron. Comptes Rendus de l'Academie Bulgare des Sciences, 75, 2, 2022, ISSN:1310–1331, DOI:10.7546/CRABS.2022.02.04, 197. JCR-IF (Web of Science):0.378 **Q3 (Web of Science)** Линк	1.000	100.00
2	**Avramov, Ivan D.**, Ivanov, G.R. Layer by Layer Optimization of Langmuir–Blodgett Films for Surface Acoustic Wave (SAW) Based Sensors for Volatile Organic Compounds (VOC) Detection. Coatings, 12, 5, MDPI, 2022, ISSN:20796412, DOI:10.3390/coatings12050669, JCR-IF (Web of Science):3.236 **Q2 (Web of Science)** Линк	1.000	50.00
3	**Blagoev, B. S.**, Delibatov, D. A., **Mehandzhiev, V. B.**, **Sveshtarov, P.**, **Terziyska, P.**, Avramova, I., **Rafailov, P. M.**. Optimization of atomic layer deposition of Al2O3 films as possible template for graphene transfer. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:10.1088/1742-6596/2240/1/012002, 012002. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	71.43
4	**Budime Santhosh, P.**, **Genova, J.**, **Chamati, H.**. Green Synthesis of Gold Nanoparticles: An Eco-Friendly Approach. 4, 2, Chemistry, 2022, DOI:https://doi.org/10.3390/chemistry4020026, 345-369 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	100.00
5	**Budime Santhosh, P.**, **Genova, J.**, **Slavkova, Z.**, **Chamati, H.**. Influence of melatonin on the structural and thermal properties of SOPC lipid membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 647, Elsevier, 2022, 129081. JCR-IF (Web of Science):4.539 **Q2 (Web of Science)** Линк	1.000	100.00
6	**Dencheva-Zarkova, M.**, Yankov, D., **Genova, J.**, Tsibranska, I.. Flux and separation efficiency in nanofiltration with mixed solvents. Bulgarian Chemical Communications, 54, 2, 2022, DOI:10.34049/bcc.54.2.5461, SJR (Scopus):0.17, JCR-IF (Web of Science):0.4 **Q4 (Web of Science)** Линк	1.000	50.00
7	**Donkov, A.A.**, **Popov, E.P.**, Sharipov, Z.A., Mirzayev, M.N., Olejniczak, A., Siemek, K., Horodek, P.. Numerical study of graphene protective properties for copper, iron, or tungsten substrates under different types of irradiation (proton, alpha particles, and particle clusters). AIP Conference Proceedings, 2551, American Institute of Physics, 2022, ISSN:0094-243X, DOI:10.1063/5.0098892, 030001. SJR (Scopus):0.19 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	28.57
8	**Esmeryan K. D.**, **Fedchenko Y. I.**, Gyoshev S. D., **Lazarov Y.**, Chaushev T. A., **Grakov T.**. On the development of ultradurable extremely water-repellent and oleophobic soot-based fabrics with direct relevance to sperm cryopreservation. ACS Applied Bio Materials, 5, 7, American Chemical Society, 2022, DOI:https://doi.org/10.1021/acsabm.2c00457, 3519-3529. SJR (Scopus):0.75 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	66.67
9	**Esmeryan K. D.**, Rangelov I., Chaushev T. A.. Hydrophobic soot nanoparticles applicable to cryobiology and reproductive medicine as a functional activator of human spermatozoa. Cryobiology, 109, Elsevier, 2022, 26-27. JCR-IF (Web of Science):2.728 **Q2 (Scopus)** Линк	1.000	33.33
10	**Esmeryan K. D.**, Rangelov I., Chaushev T. A.. Hydrophobic soot nanoparticles as a non-cytotoxic motility activator of human spermatozoa. Nanoscale Advances, 4, Royal Society of Chemistry, 2022, DOI:https://doi.org/10.1039/D2NA00192F, 2806-2815. JCR-IF (Web of Science):5.598 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	33.33

11	**Esmeryan K. D.**, Vargas S., Gyoshev S. D., Castano C. E.. Water droplet bouncing on pre-frosted superhydrophobic carbon soot – a step forward in designing passive icephobic surfaces. Diamond & Related Materials, 123, Elsevier, 2022, DOI:https://doi.org/10.1016/j.diamond.2022.108850, 108850. JCR-IF (Web of Science):3.806 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	25.00
12	**Genova, J.**, **Dencheva-Zarkova, M.**, Cota, I., Olkiewicz, M., Montornes, J. M., Luczak, M., Bajek, A., Roszkowski, S., Bialczyk, K., Zukowska, G., Tylkowski, B., Tsibranska, I.. Polymers application for separation/filtration of biological active compounds. In: Polymer Engineering, Chapter 9, Berlin, Boston: De Gruyter, 2022, ISSN:9783110733822, ISBN 978-3-11-073844-5, DOI:10.1515/9783110733822, 309-328 **Международно академично издателство (Scopus)** Линк	1.000	16.67
13	**Georgiev M.**, **Chamati H.**. Fine Structure and the Huge Zero-Field Splitting in Ni2+ Complexes. 27, MDPI, 2022, DOI:10.3390/molecules27248887, 8887. SJR (Scopus):0.71, JCR-IF (Web of Science):4.927 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	100.00
14	**Georgiev, M**, **Chamati, H**. Magneto-structural dependencies in 3d2 systems: The trigonal bipyramidal V3+ complex. Physica Status Solidi B, Wiley, 2022, DOI:10.1002/pssb.202100645, 2100645. SJR (Scopus):0.41, JCR-IF (Web of Science):1.782 **Q3 (Web of Science)** Линк	1.000	100.00
15	**Georgiev, M**, **Chamati, H**. Single-Ion Magnets with Giant Magnetic Anisotropy and Zero-Field Splitting. 47, 7, ACS, 2022, DOI:10.1021/acsomega.2c06119, 42664-42673. SJR (Scopus):0.71, JCR-IF (Web of Science):4.132 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	100.00
16	**Hadjichristov, G.B.**, **Ivanov, Tz.E**. Near-Surface Nanostructuring of Polymethylmethacrylate by Silicon Ion Implantation. Journal of Nano Research, 72, 2022, DOI:10.4028/p-h6322i, 95-112. JCR-IF (Web of Science):2.929 **Q3 (Scopus)** Линк	1.000	100.00
17	**Iordanova E.**, **Yankov G.**, Stankova N., Nedyalkov N.. Modification and activation of the surface of medical-grade PDMS after irradiation by ultrashort laser pulses. Journal of Physics: Conference Series, IOP Publishing, 2022, DOI:DOI 10.1088/1742-6596/2240/1/012051, SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	50.00
18	**Iordanova, E**, **Yankov, G**, **Karatodorov, S**, Kovachev, L. Diffraction-free femtosecond optics. Optik, 267, Elsevier, 2022, DOI:https://doi.org/10.1016/j.ijleo.2022.169681, JCR-IF (Web of Science):2.84 **Q2 (Scopus)** Линк	1.000	75.00
19	**Ivanov, P.Ch.**, Bartsch, R.P.. Physiologic systems dynamics, coupling and network interactions across the sleep-wake cycle. Methodological Approaches for Sleep and Vigilance Research, Elsevier, 2022, DOI:10.1016/B978-0-323-85235-7.00006-5, 59-100 **Международно академично издателство (Scopus)** Линк	1.000	50.00
20	**Karatodorov, S**, **Shehadi, M**, **Stoychev, L**, **Yankov, G**, Tsankov, D, Shivachev, B, **Petrov, T**. Nonlinear refractive index and multiphoton absorption measurements of wide bandgap semiconductors materials by femtosecond z-scan method. Optica Advanced Photonics Congress 2022, 2022, DOI:https://doi.org/10.1364/BGPPM.2022.JW3A.40, JW3A.40 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	71.43
21	**Kostadinov, I. K.**, **Temelkov, K. A.**, **Popova, L. T.**, Ivanov, B. L., **Slaveeva, S. I.**. Compact 10-W Sr vapor laser oscillating in middle infrared spectral range on Sr atomic self-terminating transitions. Optical and Quantum Electronics, 54, Springer, 2022, DOI:https://doi.org/10.1007/s11082-022-03971-7, 718-1-718-5. JCR-IF (Web of Science):2.794 **Q2 (Web of Science)** Линк	1.000	80.00
22	**Mishonov, T M**, **Zahariev, N I**, **Chamati, H**, **Varonov, A M**. Hot spots along the Fermi contour of high-Tc cuprates analyzed by s-d exchange interaction. SN Applied Sciences, 4, Springer Nature, 2022, ISSN:2523-3971, DOI:10.1007/s42452-022-05106-9, 242. SJR (Scopus):0.34 **Q2 (Scopus)** Линк	1.000	100.00
23	**Mishonov, T M**, **Zahariev, N I**, **Chamati, H**, **Varonov, A M**. Possible zero sound in layered perovskites with ferromagnetic s-d exchange interaction. SN Applied Sciences, 4, Springer Nature, 2022, ISSN:2523-3971, DOI:10.1007/s42452-022-05107-8, 228. SJR (Scopus):0.34 **Q2 (Scopus)** Линк	1.000	100.00
24	**Mishonov, T M**, Serafimov, N S, Petkov, E G, **Varonov, A M**. Set-up for observation thermal voltage noise and determination of absolute temperature and Boltzmann constant. 2022, DOI:arXiv:2205.06609 [physics.ed-ph] **В депозитна база (напр. arxiv) (Scopus)** Линк	1.000	50.00
25	**Mishonov, T M**, Serafimov, N S, Petkov, E G, **Varonov, A M**. Set-up for observation thermal voltage noise and determination of absolute temperature and Boltzmann constant. European Journal of Physics, 43, 3, Institute of Physics, 2022, DOI:10.1088/1361-6404/ac5e15, SJR (Scopus):0.39, JCR-IF (Web of Science):0.883 **Q3 (Web of Science)** Линк	1.000	50.00
26	**Nesheva, D.**, Grujić-Brojčin, M., Šćepanović, M.J., **Levi, Z.**, **Dzhurkov, V.**, **Hristova-Vasileva, T.**, Vasić, B.. The effects of deposition manner and rate on structure and morphology of porous ZnSe nanolayers: Modification of Phonon Confinement Model for resonant Raman conditions. Journal of Alloys and Compounds, 927, 166942, Elsevier, 2022, ISSN:0925-8388, SJR (Scopus):1.027, JCR-IF (Web of Science):6.371 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	57.14
27	**Panajotov, K**, Tlidi, M, Song, Y, Zhang, H. Discrete vector light bullets in coupled chi3 nonlinear cavities. Chaos, Solitons and Fractals, 163, Elsevier LTD, 2022, ISSN:09600779, DOI:10.1016/j.chaos.2022.112532, 112532. SJR (Scopus):1.647, JCR-IF (Web of Science):9.922 **Q1 - оглавява ранглистата (Web of Science)** Линк	1.000	25.00

28	**Paskaleva, A.**, **Buchkov, K.**, Galluzzi, A., **Spassov, D.**, **Blagoev, B.**, **Ivanov, Tz.**, **Mehandzhiev, V.**, Avramova, I., **Terzyiska, P.**, Kovacheva, D., Polichetti, M.. Magneto-Optical and Muliferroic Properties of Transition-Metal (Fe, Co, or Ni)-Doped ZnO Layers Deposited by ALD. ACS Omega, 7, 47, ACS Publications, 2022, DOI:10.1021/acsomega.2c06240, 43306-43315. SJR (Scopus):0.708, JCR-IF (Web of Science):4.132 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	63.64
29	**Popov, E.P.**, Aliyev, O.A., Demir, E., Neov, D., Doroshkevich, A.S., Mirzayev, M.N., Horodek, P., Thabethe, T.T., Imanova, G.T., Akhundzada, H.V., Sidorin, A.A., Mamedov, F.. KINETICS OF THERMO HETEROGENEOUS PROCESS UNDER NON-ISOTHERMAL TERMS ON THE TITANIUM CARBIDE: A STUDY ON THE DIFFERENT IRRADIATION CONDITIONS. Advanced Physical Research, 4, 2, Jomard Publishing, 2022, ISSN:2663-8436 **Международно академично издателство (Scopus)** Линк	1.000	8.33
30	**Rafailov, P. M.**, **Sveshtarov, P. K.**, **Mehandzhiev, V.B.**, Avramova, I., **Terziyska, P.**, **Petrov, M.**, **Katranchev, B.**, **Naradikian, H.**, **Boyadjiev, S.**, Cserháti, C., Erdélyi, Z., Szilágyi, I.M.. Growth and Characterization of Graphene Layers on Different Kinds of Copper Surfaces. Molecules, 27, 6, MDPI, 2022, ISSN:14203049, DOI:10.3390/molecules27061789, 1789. JCR-IF (Web of Science):4.927 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	66.67
31	**Shopova, D.V.**. Infuence of pressure on magnetic phase transitions in the ferromagnetic superconductor UGe2 -- phenomenological approach. arXiv:2211.10786v1 [cond-mat.supr-con], 2022, DOI:https://doi.org/10.48550/arXiv.2211.10786 **В депозитна база (напр. arxiv)** Линк	1.000	100.00
32	**Simeonov, S.**, **Szekeres, A**, **Spassov, D.**, Anastasescu, M, Stanculescu, I, Nicolescu, M, Aperathitis, E., Modreanu, M, Gartner, M.. Investigation of the Effects of Rapid Thermal Annealing on the Electron Transport Mechanism in Nitrogen-Doped ZnO Thin Films Grown by RF Magnetron Sputtering. Nanomaterials, 12, 1, 2022, DOI:10.3390/nano12010019, 19. JCR-IF (Web of Science):4.358 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
33	**Slavkova, Z**, **Genova, J**, **Chamati, H**, Boev, V, Yancheva, D. Silver nanoparticles synthesis and their effect on the SOPC lipid structure. Journal of Physics: Conference Series, 2240, 2022, DOI:10.1088/1742-6596/2240/1/012019, 012019. SJR (Scopus):0.2 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	60.00
34	**Spassov, D.**, **Paskaleva, A.**, Guziewicz, E., Wozniak, W., **Stanchev, T.**, **Ivanov, Tz.**, Wojewoda-Budka, J., Janusz-Skuza, M.. Charge Storage and Reliability Characteristics of Nonvolatile Memory Capacitors with HfO2/Al2O3-Based Charge Trapping Layers. Materials, 15, 18, MDPI, 2022, DOI:10.3390/ma15186285, 6285. JCR-IF (Web of Science):3.748 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	50.00
35	**Spassov, D**, **Paskaleva, A**, **Stanchev, T**, **Ivanov, Tz**. Electrical characterization of memory capacitors for non-volatile memory applications based on nanolaminated HfO2/Al2O3 and Al-doped HfO2 stacks. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:10.1088/1742-6596/2240/1/012046, 012046. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	100.00
36	**Stoyanova-Ivanova A.**, Kolev S., **Petrova V.**, **Petkov O.**, Tran L. M., Babij M., Zaleski A., Mikli V., Kovacheva D.. Physicochemical study of bulk Dy-123 doped with nano-Fe3O4. Bulgarian Chemical Communications, 54, 2022, ISSN:0324-1130, DOI:DOI: 10.34049/bcc.54.B1.0404, 71-76. SJR (Scopus):0.17 **Q4** Линк	1.000	33.33
37	**Stoyanova-Ivanova, A.K.**, Lefterova, E.D., Ivanova, G.D., **Marinov, Y.G.**, **Hadjichristov, G.B.**, Stoyanova, A.E.. Impedance spectroscopy study of Ni-Zn electrochemical alkaline systems with anode of nano-sized ZnO doped with conducting ceramics Bi1.7Pb0.3Sr2CaCu2Oy. Compt.Rend.Acad.Bulg.Sci., 75, 3, 2022, ISSN:1310–1331, DOI:10.7546/CRABS.2022.03.05, 358-366. SJR (Scopus):0.19, JCR-IF (Web of Science):0.329 **Q3 (Scopus)** Линк	1.000	50.00
38	**Todorov P.**, Peshev Z., **Ilieva N.**, Pérez-Díaz J.L., Ivanov O.. Contactless Determination of the Number and Diameter of Fog Droplets Using Graviational Separation and Measurement of Electrical Signals. Machines. Technologies. Materials, 16, 8, 2022, ISSN:ISSN Online 1314-507X; ISSN Print 1313-0226, 283-285 **Национално неакадемично издателство** Линк	1.000	40.00
39	**Todorov P.**, Peshev Z., **Ilieva N.**, Pérez-Díaz J.L., Ivanov O.. Contactless Determination of the Number and Diameter of Fog Droplets Using Gravitational Separation and Measurement of Electrical Signals. Proceedings of the XIX International Congress "Machines. Technologies. Materials", 07.09 – 10.09.2022, Varna, Bulgaria, Vol. IV Technologies, 2022, ISSN:ISSN Print 2535-0021, ISSN Online 2535-003X, 324-326 **Национално неакадемично издателство** Линк	1.000	40.00
40	**Todorov P.**, Peshev Z., Pérez-Díaz J.L., Ivanov O.. Investigations for Development of Structures for Control of Fog Contaminations. Proceedings of the VIII International BAPT Conference “Power Transmissions 2022”, 05.09 – 08.09.2022, Varna, Bulgaria, 2022, ISBN:978-619-7383-28-7, 104-109 **Национално неакадемично издателство**	1.000	25.00
41	**Todorov P.**, Peshev Z., Pérez-Díaz, Ivanov O.. Investigations for Development of Structures for Control of Fog Contaminations. MATEC Web of Conferences, 8th International BAPT Conference “Power Transmissions 2022”, 04004, 2022, ISSN:eISSN: 2261-236X, DOI:10.1051/matecconf/202236604004 **Друго** Линк	1.000	25.00
42	**Torosov, B T**, Vitanov, N V. Experimental Demonstration of Composite Pulses on IBM’s Quantum Computer. Physical Review Applied, 18, American Physical Society, 2022, DOI:https://doi.org/10.1103/PhysRevApplied.18.034062, JCR-IF (Web of Science):4.931 **Q1, не оглавява ранглистата** Линк	1.000	50.00

43	**Vitkova, V.**, **Stoyanova-Ivanova, A.**, Jaber, S., Naydenova, E., Danalev, D.. Bending elasticity of phospholipid bilayers containing an amphipathic peptide with low mammalian cytotoxicity. C. R. Acad. Bulg. Sci., 75, 10, 2022, ISSN:1310–1331, DOI:https://doi.org/10.7546/CRABS.2022.10.04, 1428-1436. SJR (Scopus):0.19, JCR-IF (Web of Science):0.329 **Q3 (Web of Science)** Линк	1.000	40.00
44	**Vitkova, V.**, Hazarosova, R., **Antonova, K.**, Mitkova, D., Yordanova, V., Momchilova, A., Staneva, G.. Resveratrol stiffens 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine bilayers. Lecture Notes in Networks and Systems: Contemporary Methods in Bioinformatics and Biomedicine and Their Applications, Springer Verlag, 2022, ISSN:1860-949X, SJR (Scopus):0.19 **Q4 (Scopus)** Линк	1.000	28.57
45	**Vitkova, V.**, Staneva, G., Hazarosova, R., Georgieva, St., Valkova, I., **Antonova, K.**, Todorov, P.. Interaction of new VV-hemorphin-5 analogues with cell membrane models. Colloids and Surfaces B: Biointerfaces, 220, Elsevier, 2022, DOI:https://doi.org/10.1016/j.colsurfb.2022.112896, 112896. JCR-IF (Web of Science):5.999 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	28.57
46	**Vitkova, V.**, Staneva, G., Hazarosova, R., Georgieva, St., Valkova, I., **Antonova, K.**, Todorov, P.. Valorphins alter physicochemical characteristics of phosphatidylcholine membranes: Datasets on lipid packing, bending rigidity, specific electrical capacitance, dipole potential, vesicle size. Data in Brief, 45C, Elsevier, 2022, DOI:https://doi.org/10.1016/j.dib.2022.108716, 108716. SJR (Scopus):0.13 **Q4 (Scopus)** Линк	1.000	28.57
47	**Vlakhov, T. E.**, **Hadjichristov, G. B.**, **Marinov, Y.G.**. Impedimetric response of phospholipid Langmuir-Blodgett films to methanol vapors. Bulgarian Chemical Communications, 54, B2, 2022, ISSN:0324-1130, DOI:10.34049/bcc.54.B2.0514, 88-93. SJR (Scopus):0.17, JCR-IF (Web of Science):0.398 **Q4** Линк	1.000	100.00
48	**Vlakhov, T. E.**, **Hadjichristov, G.B.**, **Marinov, Y. G.**, Scaramuzza, N.. Ion Conductivity of Nanocomposite Solid Polymer Electrolyte PEO-PVP-NaIO4 with Added TiO2 Nanoparticles. Comptes rendus de l'Academie bulgare des Sciences, 75, 3, 2022, ISSN:1310–1331, DOI:https://doi.org/10.7546/CRABS.2022.03.04, 349-357. SJR (Scopus):0.19, JCR-IF (Web of Science):0.329 **Q3** Линк	1.000	75.00
49	**Vlakhov, T. E.**, **Marinov, Y. G.**, **Hadjichristov, G. B.**, Scaramuzza, N.. Electrical Conductivity Properties of Solid Polymer Electrolytes PEO-PVP-NaIO4 Filled with TiO2 Nanoparticles. 75, 6, Comptes rendus de l'Académie bulgare des Sciences, 2022, ISSN:1310–1331, DOI:https://doi.org/10.7546/CRABS.2022.06.03, 804-811. SJR (Scopus):0.19, JCR-IF (Web of Science):0.329 **Q3 (Scopus)** Линк	1.000	75.00
50	**Vlakhov, T. E.**, **Marinov, Y.G**, **Hadjichristov, G. B.**, Scaramuzza, N. ELECTRICAL CONDUCTIVITY OF COMPOSITES FROM POLYMER POLY(ETHYLENE OXIDE) AND NEMATIC LIQUID CRYSTALS E8. Comptes rendus de l'Acad´emie bulgare des Sciences, 75, 8, 2022, ISSN:1310–1331, DOI:https://doi.org/10.7546/CRABS.2022.08.03, 1115-1122. SJR (Scopus):0.19, JCR-IF (Web of Science):0.329 **Q3 (Scopus)** Линк	1.000	75.00
51	**Vlakhov, T. E.**, **Hadjichristov, G. B.**. Electrochemical impedance spectroscopy for the study of Na+-ion conducting PEO/PVP solid polymer electrolytes doped with TiO2 nanoparticles. Сборник 19 национална младежка научно-практическа конференция 2022, Федерация на научно-техническите съюзи в България, 2022, ISSN:1314- 8931, 94-100 **Национално академично издателство**	1.000	100.00
52	**Vlakhov, T. E.**, **Marinov, Y. G.**. Nano-thin phospholipidic molecular monolayers: response to Cadmium ions, as studied by electrochemical impedance spectra. Сборник 19 национална младежка научно-практическа конференция 2022, Федерация на научно-техническите съюзи в България, 2022, ISSN:1314- 8931, 88-93 **Национално академично издателство**	1.000	100.00
53	**Zlatanov, K.**, Rangelov, A., Vitanov, N.. Extension of the Morris-Shore transformation to arbitrary time-dependent driving fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 55, 20, IOP Publishing, 2022, ISSN:0953-4075, DOI:10.1088/1361-6455/ac8d3f, 204001. SJR (Scopus):0.59, JCR-IF (Web of Science):1.655 **Q2 (Scopus)** Линк	1.000	33.33
54	**Zlatanov, K.**, Vitanov, N.. Chiral resolution based on laser-induced continuum structure. Optics Communications, 520, Elsevier, 2022, ISSN:00304018, DOI:https://doi.org/10.1016/j.optcom.2022.128514, 128514. SJR (Scopus):0.589, JCR-IF (Web of Science):2.335 **Q2 (Scopus)** Линк	1.000	50.00
55	Aleksandrova, M, Lakov, L, Blaskov, V, **Marinov, Y**. Temperature regime in obtaining BaTiO3-BaSnO3 system and study of dielectric properties. MACHINES. TECHNOLOGIES. MATERIALS, 1, 2022, ISSN:2535-0021, 74-76 **Международно академично издателство** Линк	1.000	25.00
56	Angelova, R., Slavov, L., **Blagoev, B. S.**, Ghelev, Ch., Kovacheva, D., Iliev, M., Groudeva, V., Nedkov, I.. Study of biogenic iron oxyhydroxide for application in electronics and biotechnology. Journal of Physics: Conference Series, 2240, 012018, IOP Science, 2022, ISSN:1742-6588, DOI:doi:10.1088/1742-6596/2240/1/012018, SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	12.50
57	Belichko, D.R., Konstantinova, T.E., Volkova, G.K., Mirzayev, M.N., Maletsky, A.V., Burkhovetskiy, V.V., Doroskevich, A.S., Mita, C., Mardare, D.M., Janiska, B., Nabiyev, A.A., Lyubchyk, A.I., Tatarinova, A.A., **Popov, E.P.**. Effects of YSZ ceramics doping with silica and alumina on its structure and properties. Materials Chemistry and Physics, 287, Elsevier, 2022, ISSN:0254 0584, DOI:10.1016/j.matchemphys.2022.126237, 126237. JCR-IF (Web of Science):4.778 **Q2 (Web of Science)** Линк	1.000	7.14

58	Beshkova, M., **Blagoev, B. S.**, **Mehandzhiev, V.**, Yakimova, R., Georgieva, B., Avramova, I., **Terziyska, P.**, Strijkova, V.. Morphological evolution of thin AlN films grown by atomic layer deposition. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:doi:10.1088/1742-6596/2240/1/012005, 012005. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	37.50
59	Bogdan, P., **Ivanov, P.C.**, Pequito, S.. Inference, Causality and Control in Networks of Dynamical Systems: Data Science and Modeling Perspectives to Network Physiology With Implications for Artificial Intelligence. Frontiers in Physiology, 13, 2022, ISSN:1664-042X, DOI:10.3389/fphys.2022.917001, 917001. JCR-IF (Web of Science):4.755 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
60	Butcher, K S A, Georgiev, V, Georgieva, D, Gergova, R, **Terziyska, P**, Binsted, P W. Downstream Electric Field Effects during Film Deposition with a Radio Frequency Plasma and Observations of Carbon Reduction. Coatings, 12, 1581, 2022, DOI:https://doi.org/10.3390/coatings12101581, SJR (Scopus):0.482, JCR-IF (Web of Science):3.236 **Q2 (Web of Science)** Линк	1.000	16.67
61	Camosi, L, Světlík, J, Costache, M.V, Torres, W.S, Aguirre, I. F, Marinova, V, **Dimitrov, D**, Sierra, J.F, Valenzuela, S.O, **Gospodinov, M.**. Resolving spin currents and spin densities generated by charge-spin interconversion in systems with reduced crystal symmetry. 2D Materials, 9, 3, 2022, DOI:10.1088/2053-1583/ac6fec, 035014. JCR-IF (Web of Science):7.103 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	20.00
62	Castillo-Pinto, C, Broda, A, Sankowska, I, Muszalski, J, Song, Y, Zhang, H, **Panajotov, K**. Polarization dynamics of Vertical External-Cavity Surface-Emitting Laser with saturable absorber mirror. OPTICS EXPRESS, 30, 26, OSA, 2022, DOI:10.1364/OE.470707, 47497. JCR-IF (Web of Science):3.833 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	14.29
63	Demir, E., **Popov, E.,**, Mirzayev, M.N., Slavov, L., Neov, D., **Donkov, A.A.**, Siemek, K., Vershinina, T., Genov, I., Beskrovnyi, A., Skuratov, V., Krezhov, K., Horodek, P., Mamedov, F., Valizade, A., Vural, Ö.. Effects of swift heavy ions at different fluencies on WC-6Co hard metal alloy. International Journal of Refractory Metals and Hard Materials, 106, Elsevier, 2022, ISSN:0263 4368, DOI:10.1016/j.ijrmhm.2022.105865, 105865. SJR (Scopus):0.99, JCR-IF (Web of Science):4.804 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	12.50
64	Dionisiev, I, Minev, N, Videva, V, Strijkova, V, Dikov, H, **Rafailov, P**, **Dimitrov, D**, Marinova, V. Optical Properties of WSe2 Thin Flakes. 2022 XXXI International Scientific Conference Electronics (ET), 2022, DOI:10.1109/ET55967.2022.9920313, 1-5 **Без JCR или SJR – индексиран в WoS или Scopus (IEEE Xplore)**	1.000	25.00
65	Doroshkevich, A.S, Zakharova, A.S., Oksengendler, B.L., Lyubchyk, L.I., Lyubchyk, S.I., Lyubchyk, S.B., Tatarinova, A.A., Kirillov, A.K., Vasilenko, T.A., Gorban, O.O., Bodnarchuk, V.I., Nikiforova, N.N., Zakharova, E.A., Balasoiu, M., Mardare, D.M., Mita,C., Stanculescu,A., Mirzayev, M.N., Nabiyev, A.A., **Popov, E.P.**, Khiem, L.H., **Donkov, A.A.**, Teofilovic,V., Jasinska, B., Chicea, D., Konstantinova, T.E.. The Rectifying Contact of Hydrated Different Size YSZ Nanoparticles for Advanced Electronics. Nanomaterials, 12, MDPI, 2022, DOI:10.3390/nano12244493, 4493. SJR (Scopus):0.84, JCR-IF (Web of Science):5.719 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	7.69
66	Doroshkevich, A.S., Lyubchyk, A.I., Oksengendler, B.L., Zelenyak, T.Yu., Appazov, N.O., Kirillov, A.K., Vasilenko, T.A., Tatarinova, A.A., Gorban, O.O., Bodnarchuk, V.I., Nikiforova, N.N., Balasoiu, M., Mardare, D.M., Mita, C., Luca, D., Mirzayev, M.N., Nabiyev, A.A., **Popov, E.P.**, Stanculescu, A., Konstantinova, T.E., Aleksiayenak, Y.V.. Electric Energy Storage Effect in Hydrated ZrO2-Nanostructured System. Nanomaterials, 12, MDPI, 2022, ISSN:2079 4991, DOI:10.3390/nano12111783, 1783. SJR (Scopus):0.84 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	4.76
67	Doumbia, Y, Wolfersberger, D, **Panajotov, K**, Sciamanna, M. Polarization dynamics in VCSELs subject to optical frequency comb injection. Proceedings of SPIE SEMICONDUCTOR LASERS AND LASER DYNAMICS X, 12141, SPIE-INT SOC OPTICAL ENGINEERING, 2022, ISSN:0277-786X, DOI:10.1117/12.2622132, 121410G. SJR (Scopus):0.192 **Q4 (Scopus)** Линк	1.000	25.00
68	Doumbia, Y, Wolfersberger, D, **Panajotov, K**, Sciamanna, M. Two Polarization Comb Dynamics in VCSELs Subject to Optical Injection. Photonics, 9, MDPI, 2022, DOI:10.3390/photonics9020115, 115. JCR-IF (Web of Science):2.536 **Q2 (Web of Science)** Линк	1.000	25.00
69	Fuscaldo, W, De Simone, S, **Dimitrov, D**, Marinova, V, Mussi, V, Beccherelli, R, Zografopoulos, D. Terahertz characterization of graphene conductivity via time-domain reflection spectroscopy on metal-backed dielectric substrates. Journal of Physics D: Applied Physics, 55, 2022, DOI:10.1088/1361-6463/ac7759, 365101. JCR-IF (Web of Science):3.207 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	14.29
70	Gergova, R., Sendova-Vassileva, M., Popkirov, G., Dikov, Hr., Grancharov, G., **Terziyska, P.**. Organic bulk heterojunction solar cells spin-coated in ambient environment on flexible and glass substrates. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:10.1088/1742-6596/2240/1/012030, 012030. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	16.67
71	Gopalakrishnan, S, Tlidi, M, Taki, M, **Panajotov, K**. Breathing of dissipative light bullets of nonlinear polarization mode in Kerr resonators. Optics Letters, 47, 15, OSA, 2022, ISSN:0146-9592, DOI:10.1364/OL.455758, 3652. JCR-IF (Web of Science):3.662 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	25.00

72	Horodek, P, Siemek, K, Mirzayev, M N, **Popov, E P**, **Donkov, A A**, Kulik, M, Turek, M, Bielewicz, M. Variable Energy Positron Beam Studies of Gold Exposed to Au+ and H+ Implantation. ACTA PHYSICA POLONICA A, 142, 6, 2022, DOI:10.12693/APhysPolA.142.702, 702-706. SJR (Scopus):0.22 **Q4 (Scopus)** Линк	1.000	25.00
73	Ivanov O., **Todorov P.**, Pérez-Díaz J. L., Tiankov T.. Principle of Operation and Advantages of a Sensor for Fog Contamination Detection. engrXiv, 2022, DOI:10.31224/2726 **В депозитна база (напр. arxiv)** Линк	1.000	25.00
74	Ivanov O., **Todorov P.**, Pérez-Díaz J. L., Tiankov T.. Principle of Operation and Advantages of a Sensor for Fog Contamination Detection. Security & Future, 6, 2, 2022, 84-86 **Международно неакадемично издателство** Линк	1.000	25.00
75	Ivanov O., **Todorov P.**, Pérez-Díaz J. L.. Principle of Operation and Advantages of a Sensor for Fog Contamination Detection. Proceedings of VI International Scientific Conference CONFSEC 2022, 8, 1, 2022, ISSN:ISSN (Print) 2603-2945, ISSN (Online) 2603-2953 **Национално неакадемично издателство** Линк	1.000	25.00
76	Ivanov, S.S, **Torosov, B.T**, Vitanov, N.V. High-Fidelity Quantum Control by Polychromatic Pulse Trains. Physical Review Letters, American Physical Society, 2022, DOI:https://doi.org/10.1103/PhysRevLett.129.240505, JCR-IF (Web of Science):9.185 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
77	Karmakov, Y., **Paskaleva, A.**, **Spassov, D.**. Depth profiling of very thin HfO2/Al2O3 stacks by ellipsometry. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:10.1088/1742-6596/2240/1/012049, 012049. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	66.67
78	Katrova, V., **Hristova-Vasileva, T.**, Atanasova, A., Strijkova, V., Todorov, R.. Optical properties of nanostructured bimetallic films from the Ag-In and Ag-Sb systems and their surface-enhanced fluorescence application. Journal of Physics: Conference Series, 2240, IOP Publishing, 2022, ISSN:1742-6596, DOI:10.1088/1742-6596/2240/1/012007, 012007. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	20.00
79	Khadzhay, G., Kislitsa, M., Vovk, R., Solovjov, A., **Nazarova, E.**, **Buchkov, K.**, Vovk, S., Feher, A.. Degradation of the electric transport characteristics of the FeSe superconductor after a long-term storage. Low Temperature Physics, 48, 9, AIP Publishing LLC, 2022, DOI:10.1063/10.0013295, 713-715. SJR (Scopus):0.343, JCR-IF (Web of Science):0.891 **Q4 (Web of Science)** Линк	1.000	25.00
80	Kisov, H, Dyankov, G, Belina, E, **Petrov, M**, **Naradikian, H**, Dimitrova, T, Malinovski, N. Surface plasmon excitation on a grating assisted by a cholesteric liquid crystal layer. Applied Optics, 61, 8, The Optical Society, 2022, ISSN:1559-128X, DOI:https://doi.org/10.1364/ao.451178, 2019-2024. JCR-IF (Web of Science):1.905 **Q2 (Web of Science)** Линк	1.000	28.57
81	Kisov, H., **Blagoev, K.**, **Tankova, V.**, Georgieva, B., Strijkova, V., Petrova, P., Dyankov, G.. Organic random laser generation by stimulated cascaded four-wave mixing. Optics and Laser Technology, 148, Elsevier Ltd., 2022, ISSN:00303992, DOI:10.1016/j.optlastec.2021.107766, 1-7. SJR (Scopus):0.85, JCR-IF (Web of Science):4.94 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	28.57
82	Koduru, HK, **Marinov, YG**, Scaramuzza, N. Review on Microstructural and Ion-conductivity Properties of Biodegradable Starch-Based Solid Polymer Electrolyte Membranes. STARCH, 74, 1, 2022, ISSN:1521-379X, DOI:10.1002/star.202100170, 2100170. SJR (Scopus):0.56, JCR-IF (Web of Science):2.68 **Q2** Линк	1.000	33.33
83	Kostet, B, Soupart, Y, Averlant, E, **Panajotov, K**, Tlidi, M. Multistability of vector solitons in high-Q resonators. Nonequilibrium Thermodynamics and Fluctuation Kinetics. Modern Trends, 208, Springer Nature, 2022, ISBN:0168-1222, DOI:10.1007/978-3-031-04458-8_17, 29, 325-354 **Друго** Линк	1.000	20.00
84	Manrique de Lara, A.C., **Korutcheva, E.**. Political Signed Temporal Networks: A Deep Learning Approach. axioms, 11, MDPI, 2022, ISSN:2075 1680, DOI:10.3390/axioms11090464, 464. JCR-IF (Web of Science):1.824 **Q2 (Web of Science)** Линк	1.000	50.00
85	Marinova, V, **Buchkov, K.**, Videva, V., Dionisiev, I., Minev, N., Strijkova, V., Dimov, D., Dikov, H., Avramova, I., **Rafailov, P.**, **Dimitrov, D.**. Evolution of WSe2 Flakes Synthesized by Thermally Assisted Conversion Method. Coatings, 12, 3, MDPI, 2022, ISSN:20796412 DOI, DOI:10.3390/coatings12030353, SJR (Scopus):0.482, JCR-IF (Web of Science):3.236 **Q2 (Scopus)** Линк	1.000	27.27
86	Milanova, M., Donchev, V., Georgiev, S., Kirilov, K., **Terziyska, P.**. Effect of growth temperature on nitrogen incorporation into GaAsN during liquid-phase epitaxy. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:10.1088/1742-6596/2240/1/012047, 012047. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	20.00
87	Milenov, T., **Terziyska, P.**, Avdeev G., Karashanova, D., Georgieva, B., Avramova, I., Genkov, K., Valcheva, E.. Structure and Phase Composition Study of Heavy Doped with Carbon Thin Films of TiO2 : C Deposited by RF Magnetron Sputtering. Russian Journal of Inorganic Chemistry, 67, 10, 2022, ISSN:0036-0236, DOI:10.1134/S0036023622100333, 1509-1520. SJR (Scopus):0.292, JCR-IF (Web of Science):1.63 **Q3 (Web of Science)** Линк	1.000	12.50
88	Milenov, T., Karaivanova, D., Angelov, O., **Terziyska, P.**, Avdeev, G., Karashanova, D., Georgieva, B., Genkov, K., Dimov, D., Ivanov, K., Kolev, S., Valcheva, E.. Structure and phase composition study of thin TiO2:C films deposited by r.f. magnetron sputtering. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:10.1088/1742-6596/2240/1/012009, 012009. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Web of Science)** Линк	1.000	8.33

89	Minev, N., Dionisiev, I., **Buchkov, K.**, Dikov, H., Videva, V., Strijkova, V., **Rafailov, P.**, **Dimitrov, D.**, Marinova, V. 2D PtTe2 Layers Synthesized by Thermally Assisted Conversion Method. 2022 XXXI International Scientific Conference Electronics (ET), IEEE, 2022, DOI:10.1109/ET55967.2022.9920318, 1-4 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	33.33
90	Mirzayev, M.N., **Donkov, A.A.**, **Popov, E.P.**, Demir, E., Jabarov, S.H., Chkhartishvili, L.S., Adeojo, S.A., Doroshkevich, A.S., Sidorin, A.A., Asadov, A.G., Thabethe, T.T., Khandaker, M.U., Alamri, S., Osman, H., Trukhanov, A.V., Trukhanov, S.V.. Modeling and X-ray Analysis of Defect Nanoclusters Formation in B4C under Ion Irradiation. Nanomaterials, 12, 15, MDPI, 2022, ISSN:20794991, DOI:10.3390/nano12152644, 2644. SJR (Scopus):0.84, JCR-IF (Web of Science):5.719 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	12.50
91	Mirzayev, M.N., Slavov, L., **Donkov, A.A.**, Neov, D., **Popov, E.,**, Demir, E., Genov, I., Abdurakhimov, B., Vladescu, A., Biira, S., Karaman, T., Sharipov, Z.A., Doroshkevich, A.S., Mirzayeva, D., Mustafayev, I., Mahmudov, H., Belova, M., Mamedov, F., Thang, T., Stef, M., Mita, C.. Effects of neutron irradiation at different fluencies on nanosized anatase titanium dioxide. Radiation Physics and Chemistry, 194, Elsevier, 2022, ISSN:0969 806X, DOI:10.1016/j.radphyschem.2022.109988, 109988. SJR (Scopus):0.52 **Q2 (Scopus)** Линк	1.000	9.52
92	Neov, D., Slavov, L., **Donkov, A.A.**, Mirzayev, M.N., **Popov, E.,**, Demir, E., Siemek, K., Djourelov, N., Turchenko, V.A., Sharipov, Z.A., Horodek, P., Beskrovnyi, A.I., Valizade, A.H., Samedov, O.A., Vladescu, A., Krezhov, K., Felicia, I.. Structural study of W2B obtained via mechanical alloying of W, B4C, TiC and graphite before and after He ions irradiation. Nuclear Materials and Energy, 31, Elsevier, 2022, ISSN:2352 1791, DOI:10.1016/j.nme.2022.101201, 101201. SJR (Scopus):1.03 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	11.76
93	Ormanova, M., Dechev, M., Ivanov, N., Mihai, G., **Gospodinov, M.**, Valkov, S., Enachescu, M.. Synthesis and Characterization of Ti-Ta-Shape Memory Surface Alloys Formed by the Electron-Beam Additive Technique. Coatings, 12, 5, MDPI, 2022, ISSN:20796412, DOI:10.3390/coatings12050678, 678. JCR-IF (Web of Science):3.236 **Q2 (Scopus)** Линк	1.000	14.29
94	Ortega, D., **Korutcheva, E.**. A Schelling Extended Model in Networks—Characterization of Ghettos in Washington D.C.. axioms, 11, MDPI, 2022, ISSN:2075 1680, DOI:10.3390/axioms11090457, 457. JCR-IF (Web of Science):1.824 **Q2 (Web of Science)** Линк	1.000	50.00
95	Ortega, D., Rodríguez-Laguna, J., **Korutcheva, E.**. Segregation in spatially structured cities. Physica A: Statistical Mechanics and its Applications, 608, Elsevier, 2022, ISSN:03784371, DOI:10.1016/j.physa.2022.128267, 128267. SJR (Scopus):0.89 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	33.33
96	Rabadzhiyska, S., Kotlarski, G., Shipochka, M., **Rafailov, P.**, Ormanova, M., Strijkova, V., Dimcheva, N., Valkov, S.. Duplex Surface Modification of 304-L SS Substrates by an Electron-Beam Treatment and Subsequent Deposition of Diamond-like Carbon Coatings. Coatings, 12, 3, MDPI, 2022, ISSN:20796412, DOI:10.3390/coatings12030401, 401. SJR (Scopus):0.48, JCR-IF (Web of Science):3.236 **Q2 (Scopus)** Линк	1.000	12.50
97	Rabadzhiyska, S., Kotlarski, G., Valkov, S., Ormanova, M., Shipochka, M., **Rafailov, P.**, Petrov, P.. Characterization of Diamond-like carbon films produced by electron-beam physical vapor deposition. Materials Today: Proceedings, 67, Elsevier, 2022, ISSN:22147853, DOI:10.1016/j.matpr.2022.08.378, 995-1000. SJR (Scopus):0.36 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	14.29
98	Rabadzhiyska, S., Ormanova, M., Valkov, S., Dechev, D., **Terziyska, P.**, Petrov, P.. Study of the structure, roughness and optical properties of HfO2 coatings deposited on microscopic glass substrates. Journal of Physics: Conference Series, 2240, IOP, 2022, DOI:10.1088/1742-6596/2240/1/012011, 012011. SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	16.67
99	Sheng, Y., Fina, I., **Gospodinov, M.**, Fontcuberta, J.. Bulk photovoltaic effect modulated by ferroelectric polarization back-switching. Applied Physics Letters, 120, 24, American Institute of Physics, 2022, ISSN:00036951, DOI:10.1063/5.0094837, 242901. JCR-IF (Web of Science):3.791 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	25.00
100	Starbova, K, **Georgieva, V**, Starbov, N, Stefanov, P, Georgieva, B, **Lazarov, J**. Quartz crystal microbalance sensor for NO2 detection based on electrospun amorphous titanium oxide fibers. Journal of Physics: Conference Series, 2240, IOP Publishing, 2022, DOI:10.1088/1742-6596/2240/1/012017, SJR (Scopus):0.21 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	33.33
101	Todorov, R., **Hristova-Vasileva, T.**, Atanasova, A., Katrova, V.. Thin Ag/Bi coatings as epsilon-near-zero material with low optical losses. Optical Materials, 124, Elsevier, 2022, ISSN:09253467, DOI:10.1016/j.optmat.2022.112040, 112040. SJR (Scopus):0.583, JCR-IF (Web of Science):3.754 **Q2 (Web of Science)** Линк	1.000	25.00
102	Todorov, R., **Hristova-Vasileva, T.**, Katrova, V., Atanasova, A., Milushev, G.. Electronic structure and plasmonic activity in co-evaporated Ag-In bimetallic alloys. Journal of Alloys and Compounds, 897, Elsevier, 2022, ISSN:09258388, DOI:10.1016/j.jallcom.2021.163253, 163253. SJR (Scopus):1.027, JCR-IF (Web of Science):6.371 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	20.00
103	Todorov, Stefan T., **Popova, Lidia T.**. On characteristics of some natural waters. 14, Издателство на Технически университет – София, 2022, ISSN:1313-9576, 112-117 **Друго**	1.000	50.00

104	Tonova, K., Lazarova, M., **Dencheva-Zarkova, M.**, **Genova, J.**. Nanofiltration of aquatic weed hydrolysate: Diafiltration versus concentration mode for separating saccharides from phenolics. 182, Chemical Engineering Research and Design, 2022, 360-370. JCR-IF (Web of Science):3.739 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	50.00
105	Valkova, I., Todorov, P., **Vitkova, V.**. VV-hemorphin-5 association to lipid bilayers and alterations of membrane bending rigidity. AIMS Biophysics, 9, 4, 2022, DOI:10.3934/biophy.2022025, SJR (Scopus):0.28 **Q3 (Scopus)** Линк	1.000	33.33
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Коригиран брой: 112.000			