XX a: Всички публикации - публикувани

- **Звено: (ИОМТ) Институт по оптически материали и технологии „Академик Йордан Малиновски”**
- **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**: 2024 ÷ 2024
- **Тип записи**: Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	**Berberova-Buhova, N.**, **Nedelchev, L.**, **Mateev, G.**, **Nikolova, L.**, **Stoykova, E.**, **Ivanov, B.**, **Strijkova, V.**, Hong, K., **Nazarova, D.**. Polarization Diffraction Gratings in PAZO Polymer Thin Films Recorded with Digital Polarization Holography: Polarization Properties and Surface Relief Formation. Photonics, 11, 5, MDPI, 2024, ISSN:2304-6732, DOI:10.3390/photonics11050425, 425-1-425-12. SJR (Scopus):0.457, JCR-IF (Web of Science):2.1 **Q2 (Web of Science)** Линк	1.000	88.89
2	**Dyankov, G.**, Eftimov, T., **Hikova, E.**, Najdenski, H., Kussovski, V., Genova-Kalou, P., **Mankov, V.**, **Kisov, H.**, **Veselinov, P.**, Ghaffari, S., Kovacheva-Slavova, M., Vladimorov, B., **Malinowski, N**. SPR and Double Resonance LPG Biosensors for Helicobacter pylori BabA Antigen Detection. Sensors, 24, 7, MDPI, 2024, ISSN:14248220, DOI:10.3390/s24072118, 2118. SJR (Scopus):0.79, JCR-IF (Web of Science):3.4 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	46.15
3	**Dyankov, G.**, Genova-Kalou, P., Najdenski, H., Kassovski, V., **Mankov, V.**, **Kisov, H.**, **Hikova, E.**, **Strijkova, V.**, **Veselinov, P.**, **Malinowski, N.**. Detection of Helicobacter pylori in saliva based on surface plasmon resonance by binding of Lewis b (Leb) blood group antigen to specific adhesin BabA. Biotechnology and Biotechnological Equipment, 38, 1, Taylor and Francis, 2024, ISSN:13102818, 13143530, DOI:10.1080/13102818.2024.2379828, SJR (Scopus):0.332, JCR-IF (Web of Science):1.5 **Q3 (Scopus)** Линк	1.000	70.00
4	**Dyankov, G.**, Najdenski, H., Kasovski, V., Zaharieva, M., **Kisov, H.**, **Hikova, E.**, Dimitrova, T., **Malinowski, N**. Is Reliable Helicobacter Pylori Detection in Saliva Possible?. AIP Conference Proceedings, 2924, American Institute of Physics, 2024, ISSN:0094243X, 15517616, DOI:10.1063/5.0183331, 020001. SJR (Scopus):0.152 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	50.00
5	**Ivanov, B.**, **Viqar, M.**, **Stoykova, E.**, **Madjarova, V.**, **Berberova-Buhova, N.**, **Nedelchev, L**. Laser speckle photometry with binary patterns. Technical digest HISTRATE conference, 2024, 83-84 **Друго (Друга база (не влиза в К2))** Линк	1.000	100.00
6	**Kircheva, N.**, **Angelova, S.**, Dudev, T. Carbonic Anhydrases: Different Active Sites, Same Metal Selectivity Rules. Molecules, 29, 9, MDPI, 2024, ISSN:14203049, DOI:10.3390/molecules29091995, 1995-2006. SJR (Scopus):0.744, JCR-IF (Web of Science):4.2 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	66.67
7	**Kircheva, N.**, **Dobrev, S.**, **Petkova, V.**, Yocheva, L., **Angelova, S.**, Dudev, T. In Silico Analysis of the Ga3+/Fe3+ Competition for Binding the Iron-Scavenging Siderophores of P. aeruginosa—Implementation of Three Gallium-Based Complexes in the “Trojan Horse” Antibacterial Strategy. Biomolecules, 14, 4, MDPI, 2024, ISSN:2218-273X, DOI:10.3390/biom14040487, 487. SJR (Scopus):1.179, JCR-IF (Web of Science):4.8 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	66.67
8	**Kircheva, N.**, **Dobrev, S.**, Nikolova, V., Yocheva, L., **Angelova, S.**, Dudev, T. Implementation of Three Gallium-Based Complexes in the “Trojan Horse” Antibacterial Strategy against A. baumannii: A DFT Approach. Inorganic Chemistry, 63, 33, ACS, 2024, ISSN:0020-1669, DOI:10.1021/acs.inorgchem.4c02411, 15409-15420. SJR (Scopus):0.928, JCR-IF (Web of Science):4.3 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	50.00
9	**Kolev, P.**, **Hikova, E.**, **Kisov, H.**, **Dyankov, G**. Biosensor-based serological assay for diagnosing Helicobacter pylori infection. IOP Conference Series: Earth and Environmental Science, 1305, 1, Institute of Physics, 2024, DOI:10.1088/1755-1315/1305/1/012019, 012019. SJR (Scopus):0.2 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	100.00
10	**Levchenko, M.**, Anisimov, M., **Stoykova, E**. Speckle techniques with a high-speed camera for deformation evaluation of composites during impact testing. Technical digest HISTRATE conference, 2024, 64-65 **В депозитна база (напр. arxiv) (Друга база (не влиза в К2))** Линк	1.000	66.67

11	**Madjarova, V.**, **Viqar, M**. Hilbert Transform method for Electronic Speckle Pattern Interferometry to study plastic deformation of materials under tensile stress. Technical digest HISTRATE conference, 2024, 87-88 **Друго (Друга база (не влиза в К2))** Линк	1.000	100.00
12	**Marinov, G.**, **Alexieva, G.**, **Lazarova, K.**, Gergova, R., **Ivanov, P.**, **Babeva, T**. Optimization of Electrospray Deposition Conditions of ZnO Thin Films for Ammonia Sensing. Nanomaterials, 14, 12, MDPI, 2024, ISSN:20794991, DOI:10.3390/nano14121008, 1008. SJR (Scopus):0.798, JCR-IF (Web of Science):4.4 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	83.33
13	**Marinova, V.**, **Minev, N.**, **Napoleonov, B.**, **Karashanova, D.**, Rafailov, P., Kovacheva, D., **Strijkova, V.**, Ranguelov, B., Mussi, V., Fuscaldo, W., Zografopoulos, D., **Dimitrov, D.**. PdSe2 single crystals synthesized by the self-flux method. Journal of Crystal Growth, 643, Elsevier, 2024, ISSN:00220248, DOI:10.1016/j.jcrysgro.2024.127812, 127812. SJR (Scopus):0.379, JCR-IF (Web of Science):1.7 **Q2 (Scopus)** Линк	1.000	50.00
14	**Marinova, V.**, Petrov, S., **Petrova, D.**, **Napoleonov, B.**, Chau, N. H. M, Lan, Y. P., **Strijkova, V.**, Hsu, K. Y., **Dimitrov, D.**, Lin, S. H. Effect of transparent conductive layers on the functionality of liquid crystal devices: comparison of AZO, FTO and ITO. Optical Materials X, 22, Elsevier, 2024, ISSN:25901478, DOI:10.1016/j.omx.2024.100330, 100330. SJR (Scopus):0.506 **Q2** Линк	1.000	50.00
15	**Marinova, V.**, Petrov, S., Chau, N. H.M., **Petrova, D.**, **Napoleonov, B.**, **Videva, V.**, Hsu, K.-Y., **Dimitrov, D.**, Lin, S.-H. Implementation of atomic layer deposited AZO films in SLM structures. Applied Optics, 63, 28, Optica Publishing Group, 2024, ISSN:ISSN:1559-128X (print); 2155-3165 (online), DOI:10.1364/AO.527610, G80-G86. SJR (Scopus):0.487, JCR-IF (Web of Science):1.7 **Q2 (Scopus)** Линк	1.000	55.56
16	**Mateev, G.**, **Dimov, D.**, **Nazarova, D.**, **Stoykova, E.**, Hong, K., **Nedelchev, L**. High photoinduced birefringence in thermally treated layers of the azopolymer PAZO with significantly changed absorbance spectrum. EPJ Web of Conferences, 305, EDP Sciences, 2024, ISSN:2101-6275, DOI:10.1051/epjconf/202430500011, 00011-1-00011-4 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	83.33
17	**Minev, N.**, **Buchkov, K.**, **Todorova, N.**, **Todorov, R.**, **Videva, V.**, **Stefanova, M.**, Rafailov, P., **Karashanova, D.**, Dikov, H., **Strijkova, V.**, Trapalis, Ch., Lin, Sh. H., **Dimitrov, D.**, **Marinova, V**. Synthesis of 2D PtSe2 Nanolayers on Glass Substrates and Their Integration in Near-Infrared Light Shutters. ACS OMEGA, 9, 13, ACS Publications, 2024, ISSN:2470-1343, DOI:10.1021/acsomega.3c08235, 14874-14886. SJR (Scopus):0.71, JCR-IF (Web of Science):3.7 **Q2 (Web of Science)** Линк	1.000	71.43
18	**Minev, N.**, **Dimitrov, D.**, **Dimov, D.**, Rafailov, P., **Napoleonov, B.**, **Videva, V.**, Kovacheva, D., **Strijkova, V.**, Avramova, I., Dikov, H., **Marinova, V**. Direct synthesis of WSe2/PtSe2heterostructures. Journal of Physics: Conference Series, 2710, 1, IOP Publishing, 2024, ISSN:17426588, DOI:10.1088/1742-6596/2710/1/012008, 012008. SJR (Scopus):0.18 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	63.64
19	**Napoleonov, B.**, **Petrova, D.**, Rafailov, P., **Videva, V.**, **Strijkova, V.**, **Karashanova, D.**, **Dimitrov, D.**, **Marinova, V**. Growth of 2D MoS2on sapphire and mica. Journal of Physics: Conference Series, 2710, 1, IOP Publishing, 2024, ISSN:17426588, DOI:10.1088/1742-6596/2710/1/012016, 012016. SJR (Scopus):0.18 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	87.50
20	**Napoleonov, B.**, Petrova, D., **Minev, N.**, Rafailov, P., **Videva, V.**, **Karashanova, D.**, Ranguelov, B., Atanasova-Vladimirova, S., **Strijkova, V.**, **Dimov, D.**, **Dimitrov, D.**, **Marinova, V**. Growth of Monolayer MoS2 Flakes via Close Proximity Re-Evaporation. Nanomaterials, 14, 14, MDPI, 2024, ISSN:20794991, DOI:10.3390/nano14141213, 1213. SJR (Scopus):0.798, JCR-IF (Web of Science):4.4 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	66.67
21	**Özkan, A.**, **Madjarova, V.**, Sikora, T., **Stoykova, E.**. Edge-Preserving Denoising and Super-Resolution in OCT Imagery Using Deep SMoE Gating Networks. Proceedings of SPIE, 13006, art. no. 130061D, The International Society for Optical Engineering, 2024, ISBN:9781510673281, ISSN:0277786X, DOI:10.1117/12.3017126, 1-9. SJR (Scopus):0.152 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	75.00
22	**Özkan, A.**, **Stoykova, E.**, Sikora, T., **Madjarova, V.**. Denoising OCT Images Using Steered Mixture of Experts with Multi-Model Inference. Progress in Biomedical Optics and Imaging - Proceedings of SPIE, 12830, art. no. 1283009, The International Society for Optical Engineering, 2024, ISBN:9781510669192, ISSN:16057422, DOI:10.1117/12.3000625, 1-10. SJR (Scopus):0.226 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	75.00
23	**Petkova, V.**, **Dobrev, S.**, **Kircheva, N.**, **Nazarova, D.**, **Nedelchev, L**, Nikolova, V., Dudev, T., **Angelova, S**. Density Functional Theory Prediction of Laser Dyes–Cucurbit[7]uril Binding Affinities. Molecules, 29, 18, MDPI, 2024, ISSN:1420-3049, DOI:10.3390/molecules29184394, 4394. SJR (Scopus):0.744, JCR-IF (Web of Science):4.2 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	75.00
24	**Petkova, V.**, Anastasova, D., **Dobrev, S.**, Mutovska, M., **Kircheva, N.**, Nikolova, V., Kolev, S.D., Stoyanov, S., Zagranyarski, Y., Dudev, T., **Angelova, S**. Naphthalimide-Based Amphiphiles: Synthesis and DFT Studies of the Aggregation and Interaction of a Simplified Model System with Water Molecules. Molecules, 29, 17, MDPI, 2024, ISSN:1420-3049, DOI:10.3390/molecules29174204, 4204. SJR (Scopus):0.744, JCR-IF (Web of Science):4.2 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	36.36

25	**Stoilova, A.**, **Dimov, D.**, Trifonova, Y., **Mateev, G.**, Lilova, V., **Nazarova, D.**, **Nedelchev, L**. Effect of InP/ZnS quantum dots aggregation on the kinetics of birefringence recorded in thin azopolymer composite films. Physica Scripta, 99, 9, IOP Publishing, 2024, ISSN:0031-8949, DOI:10.1088/1402-4896/ad6d09, 095988-1-095988-8. SJR (Scopus):0.415, JCR-IF (Web of Science):2.6 **Q2 (Web of Science)** Линк	1.000	71.43
26	**Stoykova E.**, Hong K., Choi K. Impact of shot noise and quantization in a self-interference incoherent digital holography. Proc. SPIE, 131400F, SPIE, 2024, DOI:https://doi.org/10.1117/12.3028039, 1-8. SJR (Scopus):0.15 **SJR, непопадащ в Q категория** Линк	1.000	33.33
27	**Stoykova, E.**, **Levchenko, M.**, **Ivanov, B.**, **Nazarova, D**. Hidden defects detection under tensile loading by laser speckle photometry. Technical digest HISTRATE conference, 2024, 81-82 **Друго (Друга база (не влиза в К2))** Линк	1.000	100.00
28	**Stoykova, E.**, **Madjarova, V.**, **Ivanov, B.**, **Viqar, M.**. Speckle pattern optimization in laser speckle photometry for non-destructive testing. Proceedings of SPIE, 12997, art. no. 129970P, The International Society for Optical Engineering, 2024, ISBN:9781510673120, ISSN:0277786X, DOI:10.1117/12.3022359, 1-9. SJR (Scopus):0.152 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	100.00
29	**Todorov, R.**, **Hristova-Vasileva, T.**, **Milushev, G.**, **Milanov, E.**. Spectroscopic ellipsometry modelling of thin Au-Sn films and nanostructures as UV plasmonics materials. Journal of Physics: Conference Series, 2710, 1, IOP, 2024, ISSN:1742-6596, DOI:10.1088/1742-6596/2710/1/012007, 012007. SJR (Scopus):0.18 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	100.00
30	**Viqar, M.**, **Madjarova, V.**, **Stoykova, E.**, Nikolov, D., Khan, E., Hong, K. Transfer Learning-Based Approach for Thickness Estimation on Optical Coherence Tomography of Varicose Veins. Micromachines, 15, 7, MDPI, 2024, ISSN:2072666X, DOI:10.3390/mi15070902, 1-15. SJR (Scopus):0.549, JCR-IF (Web of Science):3 **Q2 (Scopus)** Линк	1.000	50.00
31	**Viqar, M**, Sahin, E., **Madjarova, V.**, **Stoykova, E.**, Hong, K.. WAVE-UNET: Wavelength based Image Reconstruction method using attention UNET for OCT images. Progress in Biomedical Optics and Imaging - Proceedings of SPIE, 12925, art. no. 129254D, The International Society for Optical Engineering, 2024, ISBN:9781510671546, ISSN:16057422, DOI:10.1117/12.3006615, 1-9. SJR (Scopus):0.226 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	60.00
32	Aleksandrov, L., Yordanova, A., Milanova, M., Iordanova, R., Tzvetkov, P., Markov, P., **Petrova, P**. Glass-Ceramic Materials with Luminescent Properties in the System ZnO-B2O3-Nb2O5-Eu2O3. Molecules, 29, 15, MDPI, 2024, ISSN:14203049, DOI:10.3390/molecules29153452, 3452. SJR (Scopus):0.744, JCR-IF (Web of Science):4.2 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	14.29
33	Atanasov, P., Nedyalkov, N., Dikovska, A. Og., **Karashanova, D.**, Fukata, N., Jevasuwan, W. APPLICATION OF ALUMINIUM NANOSTRUCTURES FOR 355 nm SURFACE-ENHANCED RAMAN SPECTROSCOPY OF COCONUT MILK. Comptes Rendus de L'Academie Bulgare des Sciences, 77, 2, Bulgarian Academy of Sciences, 2024, ISSN:13101331, DOI:10.7546/CRABS.2024.02.02, 179-187. SJR (Scopus):0.16 **Q3 (Scopus)** Линк	1.000	16.67
34	Buchkov, K., Rafailov, P., **Minev, N.**, **Videva, V.**, **Strijkova, V.**, Lukanov, T., **Dimitrov, D.**, **Marinova, V.**. Metatungstate Chemical Vapor Deposition of WSe2: Substrate Effects, Shapes, and Morphologies. Crystals, 14, 2, MDPI, 2024, ISSN:20734352, DOI:10.3390/cryst14020184, 184. SJR (Scopus):0.449, JCR-IF (Web of Science):2.4 **Q2 (Scopus)** Линк	1.000	62.50
35	Dikovska, A., **Karashanova, D.**, Atanasova, G., Avdeev, G., Atanasov, P., Nedyalkov, N. Fabrication of Nanostructures Consisting of Composite Nanoparticles by Open-Air PLD. Coatings, 14, 5, MDPI, 2024, ISSN:20796412, DOI:10.3390/coatings14050527, 527. SJR (Scopus):0.493, JCR-IF (Web of Science):2.9 **Q2 (Scopus)** Линк	1.000	16.67
36	Eftimov, T., **Dyankov, G.**, **Kolev P.**, Vladev, V., Nikolov, K., Vladev, V.. A Simple and Affordable Solution for Current Measurement Using a Polarimetric Fiber Sensor with Temperature Correction. Current Perspective to Physical Science Research, 5, 28, BP international, 2024, ISBN:978-81-19761-64-7 (Print); 978-81-19761-81-4 (eBook), DOI:10.9734/bpi/crpps/v5/2656, 1-40 **Международно академично издателство** Линк	1.000	33.33
37	Ferdov, S., Shivachev, B., Koseva, I., **Petrova, P.**, Petrova, N., Titorenkova, R., Nikolova, R. Metastable microporous lanthanide silicates – Light emitters capable of 3D-2D-3D transformations. Chemical Engineering Journal, 492, Elsevier, 2024, ISSN:1385-8947, DOI:10.1016/j.cej.2024.152355, 152355. SJR (Scopus):2.852, JCR-IF (Web of Science):13.4 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	14.29
38	Gabrovska, M., Nikolova, D., Radonjić, V., **Karashanova, D.**, Baeva, A., Parvanova-Mancheva, T., Tzvetkov, P., Petrova, E., Zarkova, G., Krstić, J. Structure Engineering of Ni/SiO2 Vegetable Oil Hydrogenation Catalyst via CeO2. International Journal of Molecular Sciences, 25, 14, MDPI, 2024, ISSN:14220067, DOI:10.3390/ijms25147585, 7585. SJR (Scopus):1.179, JCR-IF (Web of Science):4.9 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	10.00
39	Gancheva, M., Iordanova, R., Koseva, I., Avdeev, G., **Ivanov, P.**. Direct mechanochemical synthesis of CaMoO4 and Dy3+ doped CaMoO4 nanoparticles and their photoluminescent properties. Ceramics International, 50, 15, Elsevier, 2024, ISSN:02728842, DOI:10.1016/j.ceramint.2024.04.281, 26361-26370. SJR (Scopus):0.938, JCR-IF (Web of Science):5.1 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	20.00
40	Genova-Kalou, P., **Dyankov, G.**, **Kisov, H.**, **Mankov, V.**, **Hikova, E.**, Marinov, R., **Malinowski, N**. Evaluation of A Model System Based on Bimolecular Interaction of SARS Cov-2 S- and N-Structural Proteins and a Specific Antibody By SPR Assay. AIP	1.000	71.43

	Conference Proceedings, 2924, American Institute of Physics, 2024, ISSN:0094243X, 15517616, DOI:10.1063/5.0184300, 020002. SJR (Scopus):0.152 **SJR, непопадащ в Q категория (Scopus)** Линк		
41	Genova-Kalou, P., **Dyankov, G.**, Krumova, S., Simeonov, K., Valkov, T., Baymakova, M., Tsachev, I., Fournier, F. Applicability of biosensor technologies in the detection of Coxiella burnetii infection in clinical samples. Biotechnology and Biotechnological Equipment, 38, 1, Taylor and Francis, 2024, ISSN:13102818, 13143530, DOI:10.1080/13102818.2024.2350163, 2350163. SJR (Scopus):0.332, JCR-IF (Web of Science):1.5 **Q3 (Scopus)** Линк	1.000	12.50
42	Hadjichristov, G., Kovacheva, D., Marinov, Y., **Karashanova, D.**, Vlakhov, T., Scaramuzza, N. Dielectric spectroscopy characterization of Na + ion-conducting polymer nanocomposite system PEO-PVP-NaIO4-TiO2. Journal of Advanced Dielectrics, 14, 1, World Scientific, 2024, ISSN:2010-135X, DOI:10.1142/S2010135X23500212, 2350021. SJR (Scopus):0.369, JCR-IF (Web of Science):2.1 **Q3 (Web of Science)** Линк	1.000	16.67
43	Hambarlyiska, I., Petkova, N., Georgieva, P., Slavov, A., Ognyanov, M., **Karashanova, D.**, **Georgieva, B.**, Tumbarski, Y. Green methods for inulin extraction from common salsify (Tragopogon porrifolius L.) roots and its application in metal nanoparticle synthesis. Bulgarian Chemical Communication, 56, D2, BAS, 2024, ISSN:0324-1130, DOI:10.34049/bcc.56.D.S2P57, 121-128. SJR (Scopus):0.148 **Q4 (Scopus)** Линк	1.000	25.00
44	Harizanova, R., Mihailova, I., Georgieva, M., Tzankov, D., Cherkezova-Zheleva, Z., Paneva, D., Avramova, I., **Karashanova, D.**, Avdeev, G., Gugov, I., Setzer, A., Esquinazi, P. Magnetite crystallization in a sodium-calcium-silicate glass with high iron oxide concentration–Effect on the magnetic properties. Journal of Non-Crystalline Solids, 634, Elsevier, 2024, ISSN:00223093, DOI:10.1016/j.jnoncrysol.2024.122986, 122986. SJR (Scopus):0.655, JCR-IF (Web of Science):3.2 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	8.33
45	Husremović, T., Siess, K.M., Antonioli, S., Meier, V., Piëch, L., Grishkovskaya, I., **Kircheva, N.**, **Angelova, S.**, Brandstätter, A., Veis, J., Miočić-Stošić, F., Anrather, D., Hartl, M., Truebestein, L., Žagrović, B., Hann, S., Bock, C., Ogris, E., Dudev, T., Irwin, N.A.T., Haselbach, D., Leonard, T.A.. PHLPP2 is a pseudophosphatase that lost activity in the metazoan ancestor. bioRxiv, Cold Spring Harbor Laboratory, 2024, DOI:10.1101/2024.12.03.625870 **В депозитна база (напр. arxiv)** Линк	1.000	9.09
46	Iordanova, R., Gancheva, M., Koseva, I., Tzvetkov, P., **Ivanov, P.**. The Influence of High-Energy Milling on the Phase Formation, Structural, and Photoluminescent Properties of CaWO4 Nanoparticles. Materials, 17, 15, MDPI, 2024, ISSN:19961944, DOI:10.3390/ma17153724, 3724. SJR (Scopus):0.565, JCR-IF (Web of Science):3.1 **Q2 (Scopus)** Линк	1.000	20.00
47	Iordanova, R., Milanova, M., Yordanova, A., Aleksandrov, L., Nedyalkov, N., Kukeva, R., **Petrova, P**. Structure and Luminescent Properties of Niobium-Modified ZnO-B2O3:Eu3+ Glass. Materials, 17, 6, MDPI, 2024, ISSN:19961944, DOI:https://doi.org/10.3390/ma17061415, 1415. SJR (Scopus):0.565, JCR-IF (Web of Science):3.1 **Q2 (Scopus)** Линк	1.000	14.29
48	Jassim, J. M., Al-samak, M. S., Ejbarah, R. A., **Kisov, H**. Tuning Multi-wavelength Lasing in Rhodamine 640/Methylene Blue/Ag NW Random Lasers. Brazilian Journal of Physics, 54, Springer, 2024, ISSN:01039733, DOI:10.1007/s13538-024-01522-x, 160. SJR (Scopus):0.187, JCR-IF (Web of Science):1.5 **Q2 (Web of Science)** Линк	1.000	25.00
49	Jassim, J. M., Haddawi, M. F., **Kisov, H.**, Hamidi, S. M. Plasmonic triple compound cavity random lasing: fabrication and characterization. Journal of Nanophotonics, 18, 2, SPIE, 2024, ISSN:1934-2608, DOI:10.1117/1.JNP.18.026006, 026006. SJR (Scopus):0.269, JCR-IF (Web of Science):1.1 **Q3 (Scopus)** Линк	1.000	25.00
50	Koseva, I., Tzvetkov, P., **Ivanov, P.**, Gancheva, M., Nikolov, V. Dysprosium-Doped Glass-Ceramics From the System Na2O-Al2O3-SiO2-B2O3-Dy2O3. Luminescence, 39, 11, John Wiley & Sons, 2024, ISSN:15227235, DOI:10.1002/bio.70031, 70031. SJR (Scopus):0.451, JCR-IF (Web of Science):3.2 **Q2 (Scopus)** Линк	1.000	20.00
51	Krumova, S., Stoichev, Sv., Ilkov, D., **Strijkova, V.**, **Katrova, V.**, Crespo, A., Álvarez, J., Martínez, E., Martínez-Ramírez, S., Tsonev, Ts., Petrov, P., Velikova, V. Pea Seed Priming with Pluronic P85-Grafted Single-Walled Carbon Nanotubes Affects Photosynthetic Gas Exchange but Not Photosynthetic Light Reactions. International Journal of Molecular Sciences, 25, 14, MDPI, 2024, ISSN:1661-6596, DOI:10.3390/ijms25147901, 7901. SJR (Scopus):1.179, JCR-IF (Web of Science):4.9 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	16.67
52	Kyuchyuk, S., Paneva, D., Manolova, N., Rashkov, I., **Karashanova, D.**, Markova, N. Composite core-double sheath fibers based on some biodegradable polyesters obtained by self-organization during electrospinning. Journal of Applied Polymer Science, 141, 14, John Wiley and Sons Inc, 2024, ISSN:00218995, DOI:10.1002/app.55179, e55179. SJR (Scopus):0.557, JCR-IF (Web of Science):2.7 **Q2 (Scopus)** Линк	1.000	16.67
53	Mourdjeva, Y., **Karashanova, D.**, Nihtianova, D., Lazarova, R. Microstructural Characteristics of Al4C3 Phase and the Interfaces in Al/Graphene Nanoplatelet Composites and their Effect on the Mechanical Properties. Journal of Materials Engeneering and Performance, 33, 21, Springer, 2024, ISSN:1059-9495, DOI:10.1007/s11665-023-08804-6, 11607-11616. SJR (Scopus):0.495, JCR-IF (Web of Science):2.2 **Q2 (Web of Science)** Линк	1.000	25.00
54	Naydenov, A., Todorova, S., Tzaneva, B., Uzunova, E., Kolev, H., Karakirova, Y., **Karashanova, D.**, Velinova, R. Pd-Co Supported on Anodized Aluminium for VOCs Abatement: Reaction Mechanism, Kinetics and Applicability as Monolithic Catalyst. Catalysts, 14, 10, MDPI, 2024, ISSN:20734344, DOI:10.3390/catal14100736, 736. SJR (Scopus):0.693, JCR-IF (Web of Science):3.8 **Q2 (Web of Science)** Линк	1.000	12.50

55	Nedyalkov, N., Aleksandrov, L., Avramova, I., Milanova, M., Yordanova, A., **Karashanova, D.**, Nikov, R., Iordanova, R.. Preserving luminescence properties in ultrashort laser ablation-induced bulk material to nanoparticles transformation of Eu3+-doped ZnO-B2O3-WO3-Nb2O5 glass. Optics and Laser Technology, 179, Elsevier, 2024, ISSN:00303992, DOI:10.1016/j.optlastec.2024.111331, 111331. SJR (Scopus):0.878, JCR-IF (Web of Science):4.6 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	12.50
56	Nikolov, V., Koseva, I., Tzvetkov, P., **Ivanov, P.**, Nihtianova, D., Gancheva, M. Synthesis and characterization of Eu3+-doped glass ceramics from the system CaO-GeO2-Li2O-B2O3. Journal of Non-Crystalline Solids, 625, Elsivier, 2024, ISSN:1873-4812, DOI:https://doi.org/10.1016/j.jnoncrysol.2023.122759, 122759. SJR (Scopus):0.655, JCR-IF (Web of Science):3.2 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	16.67
57	Pereva, S., **Dobrev, S.**, Sarafska, T., Nikolova, V., **Angelova, S.**, Spassov, T., Dudev, T. Deciphering the mechanism of γ-cyclodextrin's hydrophobic cavity hydration: an integrated experimental and theoretical study. Beilstein Journal of Organic Chemistry, 20, Beilstein-Institut, 2024, ISSN:1860-5397, DOI:10.3762/bjoc.20.221, 2635-2643. SJR (Scopus):0.517, JCR-IF (Web of Science):2.2 **Q2 (Web of Science)** Линк	1.000	28.57
58	Popova, M, Dimitrov, M, Boycheva, S, Dimitrov, I, Ublekov, F, Koseva, N, Atanasova, G, **Karashanova, D**, Szegedi, Á. Ni-Cu and Ni-Co-Modified Fly Ash Zeolite Catalysts for Hydrodeoxygenation of Levulinic Acid to γ-Valerolactone. Molecules, 29, 1, MDPI, 2024, ISSN:14203049, DOI:10.3390/molecules29010099, 99-4.2. SJR (Scopus):0.744 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	11.11
59	Popova, M, Mitova, V, Dimitrov, M, Rosmini, C, Tsacheva, I, Shestakova, P, **Karashanova, D**, Karadjova, I, Koseva, N. Mesoporous Silica with an Alveolar Construction Obtained by Eco-Friendly Treatment of Rice Husks. Molecules, 29, 15, MDPI, 2024, ISSN:14203049, DOI:10.3390/molecules29153540, 3540. SJR (Scopus):0.744, JCR-IF (Web of Science):4.2 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	11.11
60	Popova, M., Boycheva, S., Dimitrov, I., Dimitrov, M., Kovacheva, D., **Karashanova, D.**, Velinov, N., Atanasova, G., Szegedi, A. The Formation of γ-Valerolactone from Renewable Levulinic Acid over Ni-Cu Fly Ash Zeolite Catalysts. Molecules, 29, 23, MDPI, 2024, ISSN:14203049, DOI:10.3390/molecules29235753, 5753. SJR (Scopus):0.744, JCR-IF (Web of Science):4.2 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	11.11
61	Rabadzhiyska, S., Dechev, D., Ivanov, N., Ivanova, T., **Strijkova, V.**, **Katrova, V.**, Rupetsov, V., Dimcheva, N., Valkov, S. Wear and Corrosion Resistance of ZrN Coatings Deposited on Ti6Al4V Alloy for Biomedical Applications. Coatings, 14, 11, MDPI, 2024, ISSN:2079-6412, DOI:https://doi.org/10.3390/coatings14111434, 1434. SJR (Scopus):0.493, JCR-IF (Web of Science):2.9 **Q2 (Scopus)** Линк	1.000	22.22
62	Rafailov, P. M., Mehandzhiev, V. B., Sveshtarov, P. K., Blagoev, B. S., Sotirov, S., Boyadjiev, S., Tomov, V., Yankova, L., Spassov, D., **Dimitrov, D.Z**. Specific problems in the CVD growth of graphene and carbon nanotubes. Bulgarian Chemical Communications, 56, 4, Bulgarian Academy of Sciences, 2024, ISSN:08619808, 25349899, DOI:10.34049/bcc.56.4.5662, 401-406. SJR (Scopus):0.148 **Q4 (Web of Science)** Линк	1.000	10.00
63	Rafailov, P.M., **Dimitrov, D.**, Kovacheva, D., **Marinova, V.**. Polarized Raman Study of First-Order Phonons in Self-Flux Grown Single-Crystalline WTe2. Nanomaterials, 14, 15, MDPI, 2024, ISSN:20794991, DOI:10.3390/nano14151256, 1256. SJR (Scopus):0.798, JCR-IF (Web of Science):4.4 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	50.00
64	Rosmini, C., Urrea, M., Tusini, E., Indris, S., Kovacheva, D., **Karashanova, D.**, Kolev, H., Zimina, A., Grunwaldt, J.-D., Rønning, M., Dimitrov, M., Popova, M. Unveiling the synergistic effects of pH and Sn content for tuning the catalytic performance of Ni0/NixSny intermetallic compounds dispersed on Ce-Zr mixed oxides in the aqueous phase reforming of ethylene glycol. Applied Catalysis B: Environment and Energy, 350, Elsevier, 2024, ISSN:0926-3373, DOI:10.1016/j.apcatb.2024.123904, 123904. SJR (Scopus):5.112, JCR-IF (Web of Science):20.3 **Q1 - оглавява ранглистата (Web of Science)** Линк	1.000	8.33
65	Slavov, D., Tomaszewska, E., Grobelny, J., **Karashanova, D.**, Peshev, Z., Bliznakova, I., Dikovska, A. Advanced properties of gold nanoparticles obtained by using long-chain secondary amine for phase transfer from water to chloroform. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 698, Elsevier, 2024, ISSN:09277757, DOI:10.1016/j.colsurfa.2024.134635, 134635. SJR (Scopus):0.86, JCR-IF (Web of Science):4.9 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	14.29
66	Slavov, D., Tomaszewska, E., Grobelny, J., Drenchev, N., **Karashanova, D.**, Peshev, Z., Bliznakova, I. FTIR spectroscopy revealed nonplanar conformers, chain order, and packaging density in diOctadecylamine- and octadecylamine-passivated gold nanoparticles. Journal of Molecular Structure, 1314, Elsevier, 2024, ISSN:00222860, DOI:10.1016/j.molstruc.2024.138827, 138827. SJR (Scopus):0.571, JCR-IF (Web of Science):4 **Q2 (Scopus)** Линк	1.000	14.29
67	Stanimirov, S., Djumayska, S., Todorova, N., Mutovska, M., Konstantinov, K., **Petrova, P.**, **Tomova, R.**, **Ivanov, P.**, Ivanova, G., Stoyanov, S., Spassov, T., Trifonov, A., Buchvarov, I., Baumgarten, M., Ivanova, A., Zagranyarski, Y.. TADF Blue Emitters with Balanced π-Conjugation□Design, Synthesis, Spectral Characterization, and a Model OLED with 8-(5-(tert-Butyl)-1,3,4-oxadiazol-2-yl)-N,N-bis(4-(tertbutyl) phenyl)dibenzo[b,d]furan-2-amine. Journal of Physical Chemistry A, 128, 26, American Chemical Society, 2024, ISSN:10895639, 15205215, DOI:https://doi.org/10.1021/acs.jpca.4c01371, 5100-5114. SJR (Scopus):0.604, JCR-IF (Web of Science):2.7 **Q2 (Web of Science)** Линк	1.000	18.75

68	Stankova, N., Dikovska, A., Koleva, M., Nedyalkov, N., Nikolov, A., Dimov, D., **Karashanova, D**. Laser assisted synthesis of water colloidal metallic nanocomposites. Journal of Chemical Technology and Metallurgy, 59, 4, UCTM, 2024, ISSN:ISSN 1314-7471, DOI:10.59957/jctm.v59.i4.2024.12, 841-848. SJR (Scopus):0.19 **Q3 (Scopus)** Линк	1.000	14.29
69	Stoyanova, M., Milusheva, M., Gledacheva, V., Stefanova, I., Todorova, M., **Kircheva, N.**, **Angelova, S.**, Pencheva, M., Stojnova, K., Tsoneva, S., Nikolova, S. Spasmolytic Activity and Anti-Inflammatory Effect of Novel Mebeverine Derivatives. Biomedicines, 12, 10, MDPI, 2024, ISSN:22279059, DOI:10.3390/biomedicines12102321, 2321-2346. SJR (Scopus):0.962, JCR-IF (Web of Science):3.9 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	18.18
70	Tabakova, T., Nikolova, D., Ivanov, I., Anghel, E. M., **Karashanova, D.**, Karakirova, Y., Venezia, A. M., Vakros, J., Crişan, M., Tenchev, K., Gabrovska, M. Study of ceria-doped Au/TiO2 catalysts for boosting hydrogen production by water-gas shift reaction. International Journal of Hydrogen Energy, 70, Elsevier, 2024, ISSN:03603199, DOI:10.1016/j.ijhydene.2024.05.125, 389-403. SJR (Scopus):1.513, JCR-IF (Web of Science):8.1 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	9.09
71	Tomov, R., **Strijkova, V.**, **Katrova, V.**, Aleksandrova, M. Investigation of Spray-Coated Titanium Carbide MXene Thin Films and Their Application in Biosensors. 2024 XXXIII International Scientific Conference Electronics (ET), IEEE, 2024, ISBN:979-835037644-9, DOI:10.1109/ET63133.2024.10721495, 1-6 **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)** Линк	1.000	50.00
72	Tsvetkov, M., Elenkova, D., Kolarski, M., Lyapchev, R., Morgenstern, B., **Videva, V.**, Zaharieva, J., Milanova, M. Synthesis, crystal structure and luminescence properties of two novel Tb(III) complexes with 1,10-phenanthroline derivatives as ligands. Journal of Molecular Structure, 1314, Elsevier, 2024, ISSN:00222860, DOI:10.1016/j.molstruc.2024.138768, 138768. SJR (Scopus):0.571, JCR-IF (Web of Science):4 **Q2 (Web of Science)** Линк	1.000	12.50
73	Velinov, N., Petrova, T., **Karashanova, D.**, Atanasova, G., Kovacheva, D. Nanocrystalline (Cu0.5Ni0.5)yFe3−yO4 Ferrites: Synthesis and Characterization. Crystals, 14, 3, MDPI, 2024, ISSN:20734352, DOI:10.3390/cryst14030233, 233. SJR (Scopus):0.449, JCR-IF (Web of Science):2.4 **Q2 (Scopus)** Линк	1.000	20.00
74	Xu, K., Armesto, L.M., Svetlik, J., Sierra, J.F., **Marinova, V.**, **Dimitrov, D.**, Goni, A.R., Krysztofik, A., Graczykowski, B., Rurali, R., Valenzuela, S.O., Reparaz, J.S. Unravelling the origin of thermal anisotropy in PdSe2. 2D Materials, 11, 4, IOP Publishing, 2024, ISSN:2053-1583, DOI:10.1088/2053-1583/ad64e3, 045006. JCR-IF (Web of Science):4.5 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	16.67
75	Yakimova, B., Alexova, R., Dobreva, L., Rainova, Y., **Dobrev, S.**, Danova, S., **Angelova, S.**, Stoineva, I. ISOLATION AND CHARACTERIZATION OF PEPTIDES FROM MILK AS NATURAL INHIBITORS OF ACE I AND FOOD ADDITIVES. Journal of Chemical Technology and Metallurgy, 59, 4, University of Chemical Technology and Metallurgy, 2024, ISSN:1314-7978, DOI:10.59957/jctm.v59.i4.2024.5, 789-796. SJR (Scopus):0.19 **Q3 (Scopus)** Линк	1.000	25.00
76	Yordanov, St., Simeonova, S., Georgieva, S., **Videva, V.**, Petkov, V., Aleksandrova, M., Jivov, B.. SPECTROSCOPIC INVESTIGATIONS ON SELF-CLEANING FILMS FOR PHOTOVOLTAIC GLASSES. Journal of Chemical Technology and Metallurgy, 59, 6, UCTM, 2024, ISSN:13147471, DOI:10.59957/jctm.v59.i6.2024.13, 1383-1390. SJR (Scopus):0.19 **Q3 (Scopus)** Линк	1.000	14.29
77	Yordanova, A., Aleksandrov, L., Milanova, M., Iordanova, R., **Petrova, P.**, Nedyalkov, N.. Effect of the Addition of WO3 on the Structure and Luminescent Properties of ZnO-B2O3:Eu3+ Glass. Molecules, 29, 11, MDPI, 2024, ISSN:14203049, DOI:10.3390/molecules29112470, 2470. SJR (Scopus):0.744, JCR-IF (Web of Science):4.2 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	16.67
78	Zografopoulos, D. C., **Dionisiev, I.**, **Minev, N.**, Petrone, G., Maita, F., Maiolo, L., **Dimitrov, D.**, **Marinova, V.**, Liscio, A., Mussi, V., Beccher, R., Fuscaldo, W. Terahertz Time-Domain Characterization of Thin Conducting Films in Reflection Mode. IEEE Transactions on Antennas and Propagation, 72, 12, IEEE, 2024, ISSN:0018926X, 15582221, DOI:10.1109/TAP.2024.3482715, 9301-9316. SJR (Scopus):1.794, JCR-IF (Web of Science):4.6 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
79	Zografopoulos, D.C., Maita, F., Maiolo, L., **Dionisiev, I.**, **Minev, N.**, Petrone, G., Tofani, S., Ritacco, T., **D. Dimitrov, D.**, **Marinova, V.**, Liscio, A., Mussi, V., Beccherelli, R., Fuscaldo, W.. Terahertz characterization of thin resistive films and homogenized reactive metasurfaces via reflection time-domain spectroscopy. AES 2024 The 10th International Conference on Antennas and Electromagnetic Systems, June 25 – 28, 2024 Rome – Italy, 2024, ISSN:2491-2417, 1-2 **Международно академично издателство (IEEE Xplore)** Линк	1.000	28.57
Коригиран брой: 79.000			