

ХХ а: 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:** 2023 ÷ 2023
- **Тип записи:** Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Angelova, S., Kircheva, N., Nikolova, V., Dobrev, S. Electrostatic interactions - key determinants of the metal selectivity in La ³⁺ and Ca ²⁺ binding proteins. Physical Chemistry Chemical Physics, 25, RSC, 2023, ISSN:1463-9076, DOI:10.1039/d3cp01978k, 18149-18157. SJR (Scopus):0.824, JCR-IF (Web of Science):3.3 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	75.00
2	Baranowski, P., Szymura, M., Kaleta, A., Kret, S., Wójcik, M., Georgiev, R., Chusnutdinov, S., Karczewski, G., Wojtowicz, T., Baczewski, L.T., Wojnar, P. Carrier separation in type-II quantum dots inserted in (Zn,Mg)Te/ZnSe nanowires. Nanoscale, 15, RSC, 2023, ISSN:2040-3372, DOI:10.1039/D2NR05351A, 4143-4151. JCR-IF (Web of Science):6.7 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	18.18
3	Dimitrov, D., Rafailov, P., Marinova, V., Avramova, I., Kovacheva, D., Dionisiev, I., Minev, N., Gospodinov, M. NbSe ₂ Crystals Growth by Bromine Transport. MDPI, 13, 5, Coatings, 2023, ISSN:2079-6412, DOI: https://doi.org/10.3390/coatings13050947 , 947. SJR (Scopus):0.513, JCR-IF (Web of Science):3.4 Q2 (Web of Science) Линк	1.000	50.00
4	Dimitrov, D., Marinova, V., Dionisiev, I. Synthesis and characterization of 2D NbSe ₂ . Machines. Technologies. Materials., 17, 2, 2023, ISSN:1314-507X, 96-97 Без JCR или SJR – индексиран в WoS или Scopus (Scopus) Линк	1.000	100.00
5	Dyankov, G., Genova-Kalou, P., Eftimov, T., Ghaffari, S. Sh., Mankov, V., Kisov, H., Veselinov, P., Hikova, E., Malinowski, N. Binding of SARS-CoV-2 Structural Proteins to Hemoglobin and Myoglobin Studied by SPR and DR LPG. Sensors, 23, 6, MDPI, 2023, ISSN:1424-8220, DOI: https://doi.org/10.3390/s23063346 , 3346. SJR (Scopus):0.764, JCR-IF (Web of Science):3.9 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	66.67
6	Katrova, V., Atanasova, A., Todorov, R., Hristova-Vasileva, T., Strijkova, V. Thickness dependence of optical properties of thin Ag-Bi films and their surface plasmon-enhanced photoluminescence capability. Journal of Physics: Conference Series, 2436, 1, IOP Publishing, 2023, ISSN:17426588, DOI:10.1088/1742-6596/2436/1/012019, 012019. SJR (Scopus):0.183 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
7	Kircheva, N., Angelova, S., Dobrev, S., Petkova, V., Nikolova, V., Dudev, T. Cu+/Ag+ Competition in Type I Copper Proteins (T1Cu). Biomolecules, 13, 4, MDPI, 2023, ISSN:2218-273X, DOI:10.3390/biom13040681, 681. SJR (Scopus):1.074, JCR-IF (Web of Science):5.5 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	66.67
8	Kircheva, N., Dobrev, S., Petkova, V., Bakalova, S., Kaneti, J., Angelova, S. Theoretical Assessment of the Ligand/Metal/Quadruplex Recognition in the Non-Canonical Nucleic Acids Structures. Molecules, 28, 16, MDPI, 2023, ISSN:1420-3049, DOI:10.3390/molecules28166109, 6109-6124. SJR (Scopus):0.704, JCR-IF (Web of Science):4.6 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	66.67
9	Kircheva, N., Dobrev, S., Petkova, V., Nikolova, V., Angelova, S., Dudev, T. Complexation of metal cations (mono-, di- and trivalent) to cucurbiturils: Insights from a DFT/SMD study. XVI INTERNATIONAL CONFERENCE FOR YOUNG RESEARCHERS- RROCEEDINGS, 1, 6, THE SCIENTIFIC TECHNICAL UNION OF MECHANICAL ENGINEERING "INDUSTRY 4.0", 2023, ISSN:2535-020X, 9-12 Друго Линк	1.000	66.67
10	Kircheva, N., Dobrev, S., Dasheva, L., Nikolova, V., Angelova, S., Dudev, T. Metal-assisted complexation of fluorogenic dyes by cucurbit[7]uril and cucurbit[8]uril: a DFT evaluation of the key factors governing the host-guest recognition. Molecules, 28, 4, MDPI, 2023, ISSN:1420-3049, DOI:10.3390/molecules28041540, 1540. SJR (Scopus):0.704, JCR-IF (Web of Science):4.6 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	50.00

11	Kircheva, N., Petkova, V., Dobrev, S., Nikolova, V., Angelova, S., Dudev, T. N-Methyl- and N-Phenylpiperazine Functionalized Styryl Dyes Inside Cucurbiturils: Theoretical Assessment of the Factors Governing the Host–Guest Recognition. <i>Molecules</i> , 28, 24, MDPI, 2023, ISSN:1420-3049, DOI:10.3390/molecules28248130, 8130. SJR (Scopus):0.704, JCR-IF (Web of Science):4.6 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	66.67
12	Lazarova, K., Christova, D., Karashanova, D., Georgieva, B., Marovska, G., Slavov, A., Babeva, T. Blending Approach Preparation of PVA-g-PMA Films with Embedded “Green” Synthesized Silver Nanoparticles for Acetone Optical Detection.. <i>Sensors</i> , 23, 6, MDPI, 2023, ISSN:1424-8220, DOI:10.3390/s23062941, 2941-1-2941-14. SJR (Scopus):0.764, JCR-IF (Web of Science):3.9 Q1, не оглавява ранглистата (Scopus) Линк	1.000	57.14
13	Levchenko, M., Stoykova, E., Ivanov, B., Nedelchev, L., Nazarova, D., Choi, K., Park, J. Noise analysis in outdoor dynamic speckle measurement. <i>Applied Optics</i> , 62, 10, Optica Publishing Group, 2023, ISSN:1559-128X, DOI:10.1364/AO.478518, D187-D195. SJR (Scopus):0.515, JCR-IF (Web of Science):1.9 Q2 (Web of Science) Линк	1.000	71.43
14	Levchenko, M., Stoykova, E., Hong, K., Park, J. Portable low-cost setup for outdoor implementation of dynamic speckle technique. <i>Proc. SPIE Optical Measurement Systems for Industrial Inspection XIII</i> , 12618, 126181I, SPIE, 2023, DOI:10.1117/12.2673460, 126181I-1-126181I-8. SJR (Scopus):0.17 Друго (Scopus) Линк	1.000	50.00
15	Lovchinov, K., Alexieva, G., Petrov, M., Gergova, R., Tyutyundzhiev, N., Lazarova, K., Babeva, T. Influence of deposition temperature and time on structural and gas sensing properties of electrochemically deposited ZrO ₂ layers.. <i>Materials Science and Engineering: B</i> , 297, Elsevier, 2023, ISSN:0921-5107, DOI:10.1016/j.mseb.2023.116793, 116793-1-116793-9. SJR (Scopus):0.605, JCR-IF (Web of Science):3.6 Q2 (Scopus) Линк	1.000	71.43
16	Marinov, G., Georgieva, B., Vasileva, M., Babeva, T. Study of Structure, Morphology and Optical Properties of Cobalt-Doped and Co/Al-co-Doped ZnO Thin Films Deposited by Electrospray Method. <i>Applied Sciences</i> , 13, 17, MDPI, 2023, ISSN:20763417, DOI:10.3390/app13179611, 9611. SJR (Scopus):0.492, JCR-IF (Web of Science):2.7 Q2 (Web of Science) Линк	1.000	100.00
17	Mateev, G., Nedelchev, L., Nazarova, D., Nikolova, L., Ivanov, B., Strijkova, V., Stoykova, E. Polarization properties of two-dimensional polarization holographic gratings inscribed in azopolymer thin films. <i>Journal of Physics: Conference Series</i> , 2487, IOP Publishing, 2023, ISSN:1742-6596, DOI:10.1088/1742-6596/2487/1/012011, 012011-1-012011-5. SJR (Scopus):0.21 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
18	Mateev, G., Nedelchev, L., Nikolova, L., Ivanov, B., Strijkova, V., Stoykova, E., Choi, K., Park, J., Nazarova, D. Two-dimensional polarization holographic gratings in azopolymer thin films: Polarization properties in the presence or absence of surface relief. <i>Photonics</i> , 10, 7, MDPI, 2023, ISSN:2304-6732, DOI:10.3390/photonics10070728, 728-1-728-11. SJR (Scopus):0.479, JCR-IF (Web of Science):2.4 Q2 (Web of Science) Линк	1.000	77.78
19	Nazarova, D., Nedelchev, L., Berberova-Buhova, N., Mateev, G. Nanocomposite photoanisotropic materials for applications in polarization holography and photonics. <i>Nanomaterials</i> , 13, 22, MDPI, 2023, ISSN:2079-4991, DOI:10.3390/nano13222946, 2946-1-2946-38. SJR (Scopus):0.811, JCR-IF (Web of Science):5.3 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
20	Nedelchev, L., Mateev, G., Nikolova, L., Nazarova, D., Ivanov, B., Strijkova, V., Stoykova, E., Choi, K., Park, J. In-line and off-axis polarization-selective holographic lenses recorded in azopolymer thin films via polarization holography and polarization multiplexing. <i>Applied Optics</i> , 62, 10, Optica Publishing Group, 2023, ISSN:1559-128X, DOI:10.1364/AO.478434, D1-D7. SJR (Scopus):0.515, JCR-IF (Web of Science):1.9 Q2 (Web of Science) Линк	1.000	77.78
21	Pavlov, V., Georgiev, R., Lazarova, K., Georgieva, B., Babeva, T. Hard-Templated Porous Niobia Films for Optical Sensing Applications. <i>Photonics</i> , 10, 2, MDPI, 2023, ISSN:2304-6732, DOI:10.3390/photonics10020167, 167. SJR (Scopus):0.479, JCR-IF (Web of Science):2.4 Q2 (Scopus) Линк	1.000	100.00
22	Petkova, V., Nikolova, V., Kircheva, N., Dobrev, S., Angelova, S., Dudev, T. Theoretical study of β-cyclodextrin inclusion complexes with vitamin K. International Scientific Journals "Innovations", 11, 1, Scientific Technical Union of Mechanical Engineering "Industry 4.0", 2023, ISSN:2603-3771, 37-40 Друго Линк	1.000	66.67
23	Petrova, D., Napoleonov, B., Minh, C.N.H., Marinova, V., Lan, Y.-P., Avramova, I., Petrov, S., Blagoev, B., Videva, V., Strijkova, V., Kostadinov, I., Lin, S.-H., Dimitrov, D. The Effect of Post Deposition Treatment on Properties of ALD Al-Doped ZnO Films. <i>Nanomaterials</i> , 13, 5, MDPI, 2023, ISSN:2079-4991, DOI:10.3390/ nano13050800, 800. SJR (Scopus):0.811, JCR-IF (Web of Science):5.3 Q1 - оглавява ранглистата (Scopus) Линк	1.000	46.15
24	Stoilova, A., Manoylov, I., Ganova, P., Trifonova, Y. Evaluating the Cytotoxicity of the Azo Polymer PAZO on ATCC TIB-208 Cell Lines. <i>Proceedings of the 8th World Congress on Recent Advances in Nanotechnology (RAN'23)</i> , AVESTIA, 2023, ISBN:978-199080016-0, ISSN:2371-5308, DOI:10.11159/icnnfc23.110, No.110-1-No.110-1 Международно академично издателство (Scopus) Линк	1.000	25.00
25	Stoykova, E., Hong, K., Choi, K., Park, J. Accelerated Computation of Self-interference Incoherent Digital Holograms. <i>Optica Imaging Congress (3D, COSI, DH, FLatOptics, IS, pcAOP)</i> , Technical Digest Series, Optica Publishing Group, 2023, DOI:10.1364/3D.2023.JTu4A.29, JTU4A.29 Без JCR или SJR – индексиран в WoS или Scopus (Web of Science) Линк	1.000	25.00

26	Stoykova, E., Nazarova, D., Nedelchev, L., Blagoeva, B., Hong, K., Choi, K. Laser Speckle Imaging of Non-stationary Processes. <i>Frontiers in Optics + Laser Science</i> 2023 (FiO, LS) Technical Digest Series, FiO, Optica Publishing Group, 2023, ISSN:978-1-957171-29-6, DOI:10.1364/FIO.2023.JW4A.1, JW4A.1-1-JW4A.1-2 Без JCR или SJR – индексиран в WoS или Scopus Линк	1.000	66.67
27	Stoykova, E., Nedelchev, L., Blagoeva, B., Ivanov, B., Levchenko, M., Berberova-Buhova, N., Nazarova, D. Intensity-based dynamic speckle method for analysis of variable-rate dynamic events. <i>Proceedings of SPIE</i> , 12618, SPIE Digital Library, 2023, ISSN:0277-786X, DOI:10.1117/12.2673462, 1261829-1-1261829-7. SJR (Scopus):0.166 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
28	Todorov, R., Atanasova, A., Katrova, V., Hristova-Vasileva, T. Surface plasmon-like properties of one-dimensional photonic crystal and its application in surface-enhanced fluorescence. <i>Journal of Physics: Conference Series</i> , 2436, IOP Publishing, 2023, ISSN:1742-6588, DOI:10.1088/1742-6596/2436/1/012021, 012021. SJR (Scopus):0.183 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
29	Todorov, R., Hristova-Vasileva, T., Katrova, V., Atanasova, A. Silver and Gold Containing Compounds of p-Block Elements As Perspective Materials for UV Plasmonics. <i>ACS Omega</i> , 8, 16, ACS, 2023, ISSN:2470-1343, DOI:10.1021/acsomega.2c05943, 14321-14341. SJR (Scopus):0.694, JCR-IF (Web of Science):4.1 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	100.00
30	Todorov, R., Hristova-Vasileva, T., Katrova, V., Strijkova, V., Atanasova, A., Milushev, G. Formation, structure, and optical performance of AgCd/Ag5Cd8 phases in thin film form. <i>Journal of Materials Science: Materials in Electronics</i> , 34, 13, Springer, 2023, ISSN:0957-4522, DOI:10.1007/s10854-023-10522-7, 1093. SJR (Scopus):0.496, JCR-IF (Web of Science):2.8 Q2 (Web of Science) Линк	1.000	100.00
31	Todorov, R., Katrova, V., Hristova-Vasileva, T., Milushev, G. Structural and optical characterization of thin films from Bimetallic Au-Sb system as tunable plasmonic material for UV spectral range. <i>Journal of Physics: Conference Series</i> , 2436, IOP Publishing, 2023, ISSN:17426588, DOI:10.1088/1742-6596/2436/1/012023, 012023. SJR (Scopus):0.183 SJR, непопадащ в Q категория (Scopus) Линк	1.000	100.00
32	Todorova, N., Marinova, V., Dimitrov, D., Trapalis, C. Composite graphene/nanocarbons prepared by one-step reduction reaction. <i>Machines. Technologies. Materials.</i> , 17, 2, International Scientific Journals of Scientific Technical Union of Mechanical Engineering "Industry 4.0", 2023, ISSN:1314-507X, 93-95 Друго (Scopus) Линк	1.000	75.00
33	Todorova, N., Minev, N., Marinova, V., Buchkov, K., Videva, V., Todorov, R., Rafailov, P., Strijkova, V., Psycharis, V., Giannakopoulou, T., Papailias, I., Ioannidis, N., Mitrikas, G., Dimitrov, D., Trapalis, C. Two-dimensional PtSe2 coatings with antibacterial activity. <i>Applied Surface Science</i> , 611, Part A, Elsevier, 2023, ISSN:0169-4332; 1873-5584, DOI:10.1016/j.apsusc.2022.155534, 155534. SJR (Scopus):1.187, JCR-IF (Web of Science):6.7 Q1 - оглавява ранглистата (Web of Science) Линк	1.000	53.33
34	Aleksandrov, L., Milanova, M., Yordanova, A., Iordanova, R., Nedelyalkov, N., Petrova, P. , Tagiara, N.S., Palles, D., Kamitsos, E. I. Synthesis, structure and luminescence properties of Eu3+-doped 50ZnO. 40B2O3. 5WO3. 5Nb2O5 glass. <i>Physics and Chemistry of Glasses-European Journal of Glass Science and Technology Part B</i> , 64, 4, Society of Glass Technology, 2023, DOI: https://doi.org/10.13036/17533562.64.4.23 , 101-109. SJR (Scopus):0.212 Q4 (Scopus) Линк	1.000	11.11
35	Aleksandrov, L., Yordanova, A., Milanova, M., Iordanova, R., Petrova, P. , Nedelyalkov, N. Effect of WO3 Addition on the Structure and Luminescent Properties of ZnO-B2O3:Eu3+ Glass. <i>Proceedings of the 6th International Conference on Optics, Photonics and Lasers (OPAL' 2023)</i> 17-19 May 2023, Funchal (Madeira Island), Portugal, BN-20230511-XX, International Frequency Sensor Association (IFSA) Publishing, S. L., Barcelona, Spain, 2023, ISBN:978-84-09-48335-8, 158-160 Друго Линк	1.000	16.67
36	Alexandrova, A., Strijkova, V. , Abadjieva, E., Todinova, S., Giosheva, I., Langari, A., Tianskov, T. Evaluation of the Erythrocyte Aggregation Index in Women With Preeclampsia by the Usage of the Microfluidic Device And Specially Developed Rheological Software. <i>International Scientific Journal Industry 4.0</i> , 8, 5, International Scientific Journals of Scientific Technical Union of Mechanical Engineering "Industry 4.0", 2023, ISSN:2534-8582, 159-163 Друго Линк	1.000	14.29
37	Bachvarov, K., Strijkova, V. , Antonova, B., Jordanova, M., Dimitrov, Y., Todinova, S. Characterizing Morphometric and Nanomechanical Malignant Cell Features in a Rare Paediatric γδ T-acute Lymphoblastic Leukaemia: Insights from a Single Case Study Using Atomic Force Microscopy. <i>International Journal Bioautomation</i> , 27, 4, Institute of Biophysics and Biomedical Engineering at the Bulgarian Academy of Sciences, 2023, ISSN:1314-2321, DOI:10.7546/ijba.2023.27.4.000949, 227-238. SJR (Scopus):0.159 Q4 (Scopus) Линк	1.000	16.67
38	Borisova, B., Nocheva, H., Gerard, S., Laronze-Cochard, M., Dobrev, S. , Angelova, S. , Petrin, S., Danalev, D. Synthesis, In Silico LogP Study, and In Vivo Analgesic Activity of Analogs of Tetrapeptide FELL. <i>Pharmaceuticals</i> , 16, 8, MDPI, 2023, ISSN:1424-8247, DOI:10.3390/ph16081183, 1183. SJR (Scopus):0.799, JCR-IF (Web of Science):4.6 Q1, не оглавява ранглистата (Web of Science) Линк	1.000	25.00
39	Cano, B.M., Ferreiros, Y., Pantaleón, P. A., Dai, J., Tallarida, M., Figueroa, A. I., Marinova, V. , García-Díez, K., Mugarza, A., Valenzuela, S. O., Miranda, R., Camarero, J., Guinea, F., Silva-Guillén, J. A., Valbuena, M. A. Experimental Demonstration of a Magnetically Induced Warping Transition in a Topological Insulator Mediated by Rare-Earth Surface Dopants. <i>Nano Letters</i> , 23,	1.000	6.67

	13, ACS Publications, 2023, ISSN:1530-6992, DOI:10.1021/acs.nanolett.3c00587, 6249-6258. SJR (Scopus):3.54, JCR-IF (Web of Science):10.8 Q1, не оглавява ранглистата (Web of Science) Линк		
40	Chen, Z.-F., Lin, S.-H., Marinova, V. , Hsu, K.-Y. Modelling color breaking in a holographic-optical-element based augmented reality display: effects on waveguide thickness. Proceedings of SPIE, 12682, SPIE, 2023, DOI:10.1117/12.2677319, 126820S. SJR (Scopus):0.166 SJR, непопадащ в Q категория (Web of Science) Линк	1.000	25.00
41	Chorbadzhiyska Y., Georgiev, R., Georgieva, B., Babeva, T. Impact of annealing and soft template concentration on optical and sensing properties of wet-deposited SiO ₂ thin films. Journal of Physics: Conference Series, 2487, IOP Publishing, 2023, ISSN:17426588, DOI:10.1088/1742-6596/2487/1/012035, 012035. SJR (Scopus):0.183 SJR, непопадащ в Q категория (Scopus) Линк	1.000	75.00
42	Chu, D., Park, J.H., Ferraro, P., Cheng, C.-J., Stoykova, E. , Banerjee, P.P. Digital Holography and 3D Imaging: introduction to the joint feature issue in Applied Optics and Journal of the Optical Society of America A. Applied Optics, 40, 4, Optica Publishing Group, 2023, DOI:doi.org/10.1364/JOSAA.490261, DH1-DH3. SJR (Scopus):0.515, JCR-IF (Web of Science):1.9 Q2 (Web of Science) Линк	1.000	16.67
43	Danalev, D., Iliev, I., Dobrev, S. , Angelova, S., Petrin, S., Dzimbova, T., Ivanova, E., Borisova, D., Naydenova, E. Synthesis, antiproliferative effect and in silico logP prediction of BIM-23052 analogs containing Tyr instead of Phe. Pharmaceutics, 15, 4, MDPI, 2023, ISSN:1999-4923, DOI:10.3390/pharmaceutics15041123, 1123. SJR (Scopus):0.795, JCR-IF (Web of Science):5.4 Q1 - оглавява ранглистата (Scopus) Линк	1.000	22.22
44	Dikovska, A.O., Nikov, R.G., Avdeev, G.V., Atanasova, G.B., Dilova, T., Karashanova, D.B. , Nedyalkov, N.N. ZnO/Zn ₂ TiO ₄ composite nanostructures produced by laser ablation in air. Physica E: Low-dimensional Systems and Nanostructures, 150, Elsevier, 2023, ISSN:1386-9477, DOI:10.1016/j.physe.2023.115707, 115707. SJR (Scopus):0.559 Q2 (Scopus) Линк	1.000	14.29
45	Dimov, D.A., Stankova, N., Karaivanova, D., Karashanova, D. , Georgieva, B., Avramova, I., Petrov, M., Valcheva, E., Avdeev, G., Ivanov, K., Milenov, T. Modification of microcrystalline graphites by pulsed laser ablation in a flow mode suspension. Journal of Physics: Conference Series, 2487, IOP Publishing, United Kingdom, 2023, ISSN:1742-6588, 1742-6596, 012010. SJR (Scopus):0.183 SJR, непопадащ в Q категория Линк	1.000	18.18
46	Eftimov, T., Dyankov, G. , Kolev, P., Vladev, V. A simple fiber optic magnetic field and current sensor with spectral interrogation. Optics Communications;, 527, 15, Elsevier, 2023, ISSN:00304018, DOI: https://doi.org/10.1016/j.optcom.2022.128930 , 128930. SJR (Scopus):0.575, JCR-IF (Web of Science):2.4 Q2 (Scopus) Линк	1.000	50.00
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Коригиран брой: 78.000