Данні про цитування праць виконавців, які ввійшли до представленої роботи «Новітні кристалічні матеріали для оптичних та біомедичних застосувань» Авторів *Ворони І.О., Таранець Ю.В., Костенюкової О.І.*

| № п.п. | Назва статті (монографії), автори, назва видання, рік, том, сторінка або DOI | Кількість посилань згідно бази даних | | |
|---|---|---|---|---|
| | | Web of Science | Scopus | Google Scholar |
| 1 | Effect of $Nd^{3+}$ ions on phase transformations and microstructure of 0-4 at.% $Nd^{3+}$:$Y_3Al_5O_{12}$ transparent ceramics<br>By: D.Yu. Kosyanov, R.P. Yavetskiy, V.N. Baumer, Yu.L. Kopylov, V.B. Kravchenko, I.O. Vorona; et al.<br>J. Alloy. Compd. Volume: 686, Pages: 526-532.<br>Published: JUNE 11 2016<br>https://doi.org/10.1016/j.jallcom.2016.06.046 | 11 | 13 | 14 |
| 2 | Microstructure evolution of $SiO_2$, $ZrO_2$-doped $Y_3Al_5O_{12}$:$Nd^{3+}$ ceramics obtained by reactive sintering<br>By: R.P. Yavetskiy, D.Yu. Kosyanov, A.G. Doroshenko, S.V. Parkhomenko, P.V. Mateychenko, I.O. Vorona; et al.<br>Ceram. Int. Volume: 41, Issue: 9B, Pages: 11966-11974.<br>Published: JUNE 7 2015<br>https://doi.org/10.1016/j.ceramint.2015.06.009 | 11 | 13 | 13 |
| 3 | KDP crystal doped with L-arginine amino acid: growth, structure perfection, optical and strength characteristics<br>Pritula I.M., Kostenyukova E.I., Bezkrovnaya O.N. et al.<br>OPTICAL MATERIALS Volume: 57 Page: 217-224<br>Published: 2016<br>http://dx.doi.org/10.1016/j.optmat.2016.04.044 | 12 | 12 | 14 |
| 4 | The effect of residual porosity on the optical properties of $Y_3Al_5O_{12}$:$Nd^{3+}$ laser ceramics<br>By: I.O. Vorona, R.P. Yavetskiy, O.L. Shpilinskaya; et al.<br>Tech. Phys. Lett. Volume: 41, Issue: 5, Pages: 496-499.<br>Published: JUNE 16 2015<br>https://doi.org/10.1134/S1063785015050302 | 8 | 8 | 12 |
| 5 | Structural-phase state and lasing of 5-15 at% $Yb^{3+}$:$Y_3Al_5O_{12}$ optical ceramics<br>By: **I.O. Vorona**, R.P. Yavetskiy, A.G. Doroshenko; et al.<br>J. Eur. Ceram. Soc. Volume: 37, Issue: 13, Pages: 4115-4122.<br>Published: MAY 25 2017<br>https://doi.org/10.1016/j.jeurceramsoc.2017.05.023 | 7 | 8 | 8 |
| 6 | Effect of doping of KDP crystal with amino acid L-arginine on the strength properties and character of laser damage<br>Dolzhenkova E.F., Kostenyukova E.I., Bezkrovnaya O.N. et al.<br>JOURNAL OF CRYSTAL GROWTH Volume: 478 Page: 111-116<br>Published: 2017<br>http://dx.doi.org/10.1016/j.jcrysgro.2017.08.010 | 4 | 6 | 5 |
| 7 | Nonlinear optical response of nanocomposites based on KDP single crystal with incorporated Al(2)O(3)(*)nH(2)O nanofibriles under CW and pulsed laser irradiation at 532 nm<br>Popov A.S., Uklein A.V., Multian V.V. et al.<br>OPTICS COMMUNICATIONS Volume: 379 Page: 45-53<br>Published: 2016<br>http://dx.doi.org/10.1016/j.optcom.2016.05.060 | 5 | 5 | 7 |

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| 8 | Microhardness, laser damage threshold and SHG efficiency studies of potassium dihydrogen phosphate crystals doped with L-arginine amino acid<br>Kostenyukova E.I., Bezkrovnaya O.N., Kolybaeva M.I. et al.<br>FUNCTIONAL MATERIALS Volume: 23 Issue: 1 Page: 27-31 Published: 2016<br>http://dx.doi.org/10.15407/fm23.01.027 | 4 | 4 | 5 |
| 9 | Reactive sintering of highly-doped YAG/$Nd^{3+}$:YAG/YAG composite ceramics<br>By: **I. O. Vorona**, R. P. Yavetskiy, A. G. Doroshenko; et al.<br>Processing and Application of Ceramics Volume: 11, Issue: 4, Pages: 290–295.<br>Published: 2017<br>https://doi.org/10.2298/PAC1704290V | 2 | 4 | 2 |
| 10 | Effect of Charge State of L-Aspartic and L-Arginine Amino Acids on Morphology of Calcium Oxalate Monohydrate<br>By: Y.V. Taranets, I.M. Pritula, O.N. Bezkrovnaya, P.V. Mateychenko, D.S. Sofronov, A.N. Puzan<br>J. Cryst. Res. Technol. Volume: 53, Pages: 1700133 (7pp).<br>53, 2018, P.1700133 (7pp).<br>Published: FEBRUARY 23 2018<br>https://doi.org/10.1002/crat.201700133. | 3 | 3 | 4 |
| 11 | Sintering Trajectory of the $2.88Y_2O_3$-$0.12Nd_2O_3$-$5Al_2O_3$ powders of different sizes<br>By: D.Yu. Kosyanov, P.V. Mateychenko, I.O. Vorona; et. al.<br>J. Superhard Mater. Volume: 37, Issue: 1, Pages: 63-65.<br>Published: MARCH 6 2015<br>https://doi.org/10.3103/S1063457615010104 | 3 | 3 | 3 |
| 12 | Transparent 4 at% $Nd^{3+}$:$Y_3Al_5O_{12}$ Ceramic By Reactive Spark Plasma Sintering<br>D.Yu. Kosyanov, R.P. Yavetskiy, I.O. Vorona, et al.<br>Proceedings of International Conference on Metamaterials and Nanophotonics (METANANO-2017) AIP Conf. Proc. 1874, 040020-1–040020-4.<br>doi: 10.1063/1.4998093 | 2 | 3 | 2 |
| 13 | Effect of L-arginine on the optical properties, crystalline perfection and laser damage threshold of KDP crystals<br>Kostenyukova E.I, Bezkrovnaya O.N., Tkachenko V.F. et al.<br>FUNCTIONAL MATERIALS Volume: 22 Issue: 3 Page: 309-315<br>Published: 2015<br>http://dx.doi.org/10.15407/fm22.03.309 | 2 | 2 | 2 |
| 14 | 1532 nm sensitized luminescence and up-conversion in Yb,Er:YAG transparent ceramics<br>By: **I.O. Vorona**, R.P. Yavetskiy, M.V. Dobrotvorskaya; et al.<br>Optical Materials Volume: 77C, Pages: 221-225.<br>Published: MARCH 9 2018<br>https://doi.org/10.1016/j.optmat.2018.01.038 | - | 2 | 2 |
| 15 | Effect of green body annealing on laser performance of YAG:$Nd^{3+}$ ceramics<br>By: R.P. Yavetskiy, S.V. Parkhomenko, I.O. Vorona; et al.<br>Ceram. Int. Volume: 44, Issue: 4, Pages 4487-4490<br>Published: NOVEMBER 25 2018<br>https://doi.org/10.1016/j.ceramint.2017.11.192 | 1 | 1 | 1 |
| 16 | A new method for calculating the residual porosity of transparent materials<br>By: D.Yu Kosyanov, R.P. Yavetskiy, S.V. Parkhomenko, A.G. Doroshenko, **I.O. Vorona; et al.**<br>Journal of Alloys and Compounds Volume: 781, Pages 892-897.<br>Published: DECEMBER 10 2018<br>https://doi.org/10.1016/j.jallcom.2018.12.130 | 1 | 1 | 1 |

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| 17 | Effect of L-arginine additive on the growth and physical properties of Potassium Dihydrogen Phosphate single crystals<br>Kostenyukova E.I, Uklein A.V., Multian V.V. et al.<br>FUNCTIONAL MATERIALS Volume: 25 Issue: 2 Page: 246-257<br>Published 2018<br>http://dx.doi.org/10.15407/fm25.02.246 | 0 | 0 | 1 |
| 18 | Effect of L-arginine on the laser damage threshold and SHG efficiency of the KDP crystals<br>Kostenyukova E.I., Bezkrovnaya O.N., Pritula I.M. et al.<br>2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL) Page: 85-87<br>Published: 2016<br>http://dx.doi.org/10.1109/CAOL.2016.7851385 | 0 | 0 | 0 |
| 19 | Optical, thermal, strength properties and SHG efficiency of KDP single crystals doped with N,N '-dimethyl urea<br>Kostenyukova E.I., Bezkrovnaya O.N., Dolzhenkova E.F. et al.<br>FUNCTIONAL MATERIALS Volume: 25 Issue: 1 Page: 34-42 Published: 2018<br>http://dx.doi.org/10.15407/fm25.01.34 | 0 | 0 | 0 |
| 20 | L-threonine amino acid as a promoter of the growth of pathogenic calcium oxalate monohydrate crystals<br>By: Y.V. Taranets, O.N. Bezkrovnaya, I.M. Pritula, P.V. Mateychenko<br>Journal of Nanomaterials & Molecular Nanotechnology Volume: 6, Issue: 5, Pages: 1000229 (3pp).<br>Published: AUGUST 23 2017<br>https:// doi.org/ 10.4172/2324-8777.1000229 | 0 | 0 | 0 |
| 21 | Kinetics crystallization of calcium oxalate monohydrate in the presence of amino acids<br>By: Y.V. Taranets, O.N. Bezkrovnaya, I. M. Pritula<br>Functional Materials Volume: 25, Issue: 2, Pages: 381-385.<br>Published: 2018<br>https://doi.org/10.15407/fm25.02.381 | 0 | 0 | 0 |
| 22 | Effect of microstructural features on the laser efficiency of $Nd^{3+}$:$Y_3Al_5O_{12}$ ceramics<br>By: I.O. Vorona, R.P. Yavetskiy, A.V. Tolmachev; et al.<br>Quantum Electron. Volume: 45, Issue: 9, Pages: 819-822.<br>Published: 2015<br>https://doi.org/10.1070/QE2015v045n09ABEH015862 | 0 | 0 | 0 |
| 23 | Влияние витаминов группы В: тиамина, пиридоксина, цианокобаламина на патогенез кальция оксалата моногидрата<br>Ю.В. Таранец, О.Н. Безкровная, И.М. Притула, П.В. Матейченко, М.А. Кабаненко<br>Сборник “Наносистемы, наноматериалы, нанотехнологии”, т. 16, №1, 2018, с. 1-12. | - | - | 0 |
| 24 | Влияние L-аспарагиновой кислоты на кристаллизацию оксалата кальция моногидрата<br>Ю.В. Таранец, О.Н. Безкровная, И.М. Притула, П.В. Матейченко, Д.С. Софронов, В.К. Клочков<br>Сборник “Наносистемы, наноматериалы, нанотехнологии”, т. 44, №3, 2016, с. 445-459. | - | - | 0 |
| **Загальна кількість цитувань** | | 76 | 88 | 96 |
| **h-індекс робіт** | | 5 | 6 | 6 |