

# Arturas Katelnikovas

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3973705/arturas-katelnikovas-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67  
papers

1,557  
citations

24  
h-index

37  
g-index

72  
ext. papers

1,798  
ext. citations

3.7  
avg, IF

4.74  
L-index

#	Paper	IF	Citations
67	Synthesis, structural and luminescent properties of Mn-doped calcium pyrophosphate (CaPO) polymorphs.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7116	4.9	0
66	Synthesis and optical properties investigation of blue-excitable red-emitting K <sub>2</sub> Bi(PO <sub>4</sub> )(MoO <sub>4</sub> ):Pr <sup>3+</sup> powders. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 15779-15787	5.5	2
65	Ultralight Magnetic Nanofibrous GdPO Aerogel. <i>ACS Omega</i> , <b>2020</b> , 5, 14180-14185	3.9	7
64	Effect of Cationic Brush-Type Copolymers on the Colloidal Stability of GdPO Particles with Different Morphologies in Biological Aqueous Media. <i>Langmuir</i> , <b>2020</b> , 36, 7533-7544	4	1
63	Luminescence and up-conversion properties in La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> :Eu <sup>3+</sup> ,Er <sup>3+</sup> oxides under UV and NIR radiations towards a two-color sensor. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 826, 154157	5.7	10
62	TemperatureDependent Luminescence of RedEmitting BaYBO: Eu Phosphors with Efficiencies Close to Unity for NearUV LEDs. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
61	Controlled hydrothermal synthesis, morphological design and colloidal stability of GdPO <sub>4</sub> ·nH <sub>2</sub> O particles. <i>Materials Today Communications</i> , <b>2020</b> , 23, 100934	2.5	2
60	Temperature induced emission enhancement and investigation of Nd <sup>3+</sup> -Yb <sup>3+</sup> energy transfer efficiency in NaGdF <sub>4</sub> :Nd <sup>3+</sup> , Yb <sup>3+</sup> , Er <sup>3+</sup> upconverting nanoparticles. <i>Journal of Luminescence</i> , <b>2020</b> , 223, 117237	3.8	6
59	Synthesis and optical properties of efficient orange emitting GdB <sub>5</sub> O <sub>9</sub> :Sm <sup>3+</sup> phosphors. <i>Journal of Sol-Gel Science and Technology</i> , <b>2020</b> , 94, 80-87	2.3	0
58	A Facile Synthesis and Characterization of Highly Crystalline Submicro-Sized BiFeO. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
57	Luminescence and luminescence quenching of K <sub>2</sub> Bi(PO <sub>4</sub> )(MoO <sub>4</sub> ):Sm <sup>3+</sup> phosphors for horticultural and general lighting applications. <i>Materials Advances</i> , <b>2020</b> , 1, 1427-1438	3.3	1
56	Synthesis and optical properties of highly efficient red-emitting K <sub>2</sub> LaNb <sub>5</sub> O <sub>15</sub> :Eu <sup>3+</sup> phosphors. <i>Optical Materials</i> , <b>2019</b> , 89, 25-33	3.3	18
55	Emission spectra tuning of upconverting NaGdF <sub>4</sub> :20% Yb, 2% Er nanoparticles by Cr <sup>3+</sup> co-doping for optical temperature sensing. <i>Journal of Luminescence</i> , <b>2019</b> , 213, 210-217	3.8	25
54	Eu <sup>3+</sup> - Doped Ln <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> (Ln = Er, Tm, Yb, Lu) garnets: Synthesis, characterization and investigation of structural and luminescence properties. <i>Journal of Luminescence</i> , <b>2019</b> , 212, 14-22	3.8	9
53	Temperature-Induced Structural Transformations in Undoped and Eu-Doped Ruddlesden-Popper Phases SrSnO and SrSnO: Relation to the Impedance and Luminescence Behaviors. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 11410-11419	5.1	5
52	Thermal decomposition synthesis of Er <sup>3+</sup> -activated NaYbF <sub>4</sub> upconverting microparticles for optical temperature sensing. <i>Journal of Luminescence</i> , <b>2019</b> , 215, 116672	3.8	14
51	Optical Properties of Red-Emitting RbBi(PO)(MoO):Eu Powders and Ceramics with High Quantum Efficiency for White LEDs. <i>Materials</i> , <b>2019</b> , 12,	3.5	7

50	Tb <sup>3+</sup> to Cr <sup>3+</sup> energy transfer in a co-doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> host. <i>Journal of Luminescence</i> , <b>2019</b> , 208, 327-333	3.8	11
49	Upconversion luminescence properties and thermal quenching mechanisms in the layered perovskite La <sub>1.9</sub> Er <sub>0.1</sub> Ti <sub>2</sub> O <sub>7</sub> towards an application as optical temperature sensor. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 744, 516-527	5.7	18
48	Eu <sup>3+</sup> -Doped Y <sub>3</sub> SmxAl <sub>5</sub> O <sub>12</sub> garnet: synthesis and structural investigation. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 2278-2287	3.6	9
47	Synthesis and characterization of Tb <sup>3+</sup> and Eu <sup>3+</sup> metal-organic frameworks with TFBC <sup>2+</sup> linkers. <i>Optical Materials</i> , <b>2018</b> , 83, 363-369	3.3	7
46	Two-step photochemical inorganic approach to the synthesis of Ag-CeO <sub>2</sub> nanoheterostructures and their photocatalytic activity on tributyltin degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 351, 29-41	4.7	16
45	Preparation by different methods and analytical characterization of gadolinium-doped ceria. <i>Chemical Papers</i> , <b>2018</b> , 72, 129-138	1.9	6
44	Eu-Doped YNdAlO garnet: synthesis and structural investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 3729-3737	3.6	13
43	Luminescence and luminescence quenching of Sr <sub>3</sub> Lu <sub>2</sub> (Si <sub>3</sub> O <sub>9</sub> ) <sub>2</sub> :Ce <sup>3+</sup> phosphors. <i>Journal of Luminescence</i> , <b>2017</b> , 184, 185-190	3.8	3
42	Nanostructuring of SnO <sub>2</sub> via solution-based and hard template assisted method. <i>Thin Solid Films</i> , <b>2017</b> , 626, 38-45	2.2	8
41	A comparative study of co-precipitation and sol-gel synthetic approaches to fabricate cerium-substituted MgAl layered double hydroxides with luminescence properties. <i>Applied Clay Science</i> , <b>2017</b> , 143, 175-183	5.2	44
40	Chemical solution deposition of pure and Gd-doped ceria thin films: Structural, morphological and optical properties. <i>Ceramics International</i> , <b>2017</b> , 43, 4280-4287	5.1	22
39	Characterization and stability study of cranberry flavonoids in lipid liquid crystalline systems. <i>European Journal of Lipid Science and Technology</i> , <b>2017</b> , 119, 1600373	3	1
38	Luminescence and luminescence quenching of efficient Gd <sub>2</sub> B <sub>5</sub> O <sub>9</sub> :Eu <sup>3+</sup> red phosphors. <i>Journal of Luminescence</i> , <b>2017</b> , 192, 520-526	3.8	15
37	Synthesis and optical properties of Y <sub>2</sub> Mo <sub>4</sub> O <sub>15</sub> doped by Pr <sup>3+</sup> . <i>Journal of Luminescence</i> , <b>2017</b> , 190, 525-530	3.8	12
36	Sol-Gel Synthesis and Characterization of Non-Substituted and Europium- Substituted Layered Double Hydroxides Mg <sub>3</sub> /Al <sub>1-x</sub> Eu <sub>x</sub> . <i>Current Inorganic Chemistry</i> , <b>2017</b> , 6, 149-154		2
35	Luminescence and luminescence quenching of highly efficient Y <sub>2</sub> Mo <sub>4</sub> O <sub>15</sub> :Eu(3+) phosphors and ceramics. <i>Scientific Reports</i> , <b>2016</b> , 6, 26098	4.9	93
34	Photochemical synthesis of CeO <sub>2</sub> nanoscale particles using sodium azide as a photoactive material: effects of the annealing temperature and polyvinylpyrrolidone addition. <i>RSC Advances</i> , <b>2016</b> , 6, 107065-107072	3.7	2
33	Luminescence and Luminescence Quenching of KBi(PO)(MoO):Eu Phosphors with Efficiencies Close to Unity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 31772-31782	9.5	82

32	Host-sensitized luminescence properties of $\text{KLa}_5\text{O}_5(\text{VO}_4)_2:\text{Eu}^{3+}$ for solid-state lighting applications. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7277-7285	7.1	26
31	Luminescence and luminescence quenching of $\text{Eu}_2\text{Mo}_4\text{O}_{15}$ . <i>Journal of Luminescence</i> , <b>2016</b> , 179, 35-39	3.8	10
30	New NIR emitting phosphor for blue LEDs with stable light output up to 180 °C. <i>Journal of Luminescence</i> , <b>2016</b> , 172, 185-190	3.8	25
29	Photoluminescence of $\text{Pr}^{3+}$ -doped calcium and strontium stannates. <i>Journal of Luminescence</i> , <b>2016</b> , 172, 323-330	3.8	28
28	Synthesis, structural and luminescence properties of $(\text{La}_{1-x}\text{Ln}_x)_2\text{Ti}_2\text{O}_7$ (Ln=lanthanides) solid solutions. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 634-646	5.7	16
27	Doping effect of $\text{Tb}^{3+}$ ions on luminescence properties of $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Cr}^{3+}$ phosphor. <i>Journal of Luminescence</i> , <b>2016</b> , 179, 355-360	3.8	14
26	Dependence of the $5\text{D}_0-7\text{F}_4$ transitions of $\text{Eu}^{3+}$ on the local environment in phosphates and garnets. <i>Journal of Luminescence</i> , <b>2014</b> , 147, 290-294	3.8	54
25	On the $\text{Ce}^{3+}-\text{Cr}^{3+}$ energy transfer in $\text{Lu}_3\text{Al}_5\text{O}_{12}$ garnets. <i>Optical Materials</i> , <b>2014</b> , 37, 204-210	3.3	16
24	Powder Reflection Spectroscopy in the Vacuum uv range. <i>Journal of Applied Spectroscopy</i> , <b>2014</b> , 81, 341-346	3.6	6
23	Luminescence properties of $\text{Sm}^{3+}$ -doped alkaline earth ortho-stannates. <i>Optical Materials</i> , <b>2014</b> , 36, 1146-1152	3.3	26
22	Synthesis and Optical Properties of $\text{Li}_3\text{Ba}_2\text{La}_3(\text{MoO}_4)_8:\text{Sm}^{3+}$ Powders for pcLEDs. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2014</b> , 69, 183-192	1	17
21	Luminescence and luminescence quenching in $\text{Gd}_3(\text{Ga},\text{Al})_5\text{O}_{12}$ scintillators doped with $\text{Ce}^{3+}$ . <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 2479-84	2.8	146
20	Synthesis and optical properties of yellow emitting garnet phosphors for pcLEDs. <i>Journal of Luminescence</i> , <b>2013</b> , 136, 17-25	3.8	43
19	Synthesis and optical properties of green emitting garnet phosphors for phosphor-converted light emitting diodes. <i>Optical Materials</i> , <b>2012</b> , 34, 1195-1201	3.3	39
18	Concentration influence on temperature-dependent luminescence properties of samarium substituted strontium tetraborate. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 141-146	3.8	16
17	Yellow persistent luminescence of $\text{Sr}_2\text{SiO}_4:\text{Eu}^{2+},\text{Dy}^{3+}$ . <i>Journal of Luminescence</i> , <b>2012</b> , 132, 2398-2403	3.8	25
16	Synthesis and optical properties of $\text{Li}_3\text{Ba}_2\text{La}_3(\text{MoO}_4)_8:\text{Eu}^{3+}$ powders and ceramics for pcLEDs. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22126		91
15	Efficient cerium-based sol-gel derived phosphors in different garnet matrices for light-emitting diodes. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 6247-6251	5.7	26

14	On the correlation between the composition of Pr <sup>3+</sup> doped garnet type materials and their photoluminescence properties. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 2754-2761	3.8	30
13	Synthesis of Y <sub>3</sub> LuAl <sub>3</sub> MgSiO <sub>12</sub> garnet powders by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2011</b> , 59, 311-314	2.3	2
12	Synthesis and luminescent properties of novel Ba <sub>2</sub> EuZr <sub>2</sub> Hf <sub>2</sub> Si <sub>3</sub> O <sub>12</sub> phosphor. <i>Optical Materials</i> , <b>2011</b> , 33, 1272-1277	3.3	5
11	Synthesis and optical properties of green to orange tunable garnet phosphors for pcLEDs. <i>Optical Materials</i> , <b>2011</b> , 33, 992-995	3.3	30
10	Synthesis and photoluminescence properties of Sm <sup>3+</sup> -doped LaMgB <sub>5</sub> O <sub>10</sub> and GdMgB <sub>5</sub> O <sub>10</sub> . <i>Journal of Luminescence</i> , <b>2011</b> , 131, 1525-1529	3.8	32
9	Synthesis and Sm <sup>2+</sup> /Sm <sup>3+</sup> doping effects on photoluminescence properties of Sr <sub>4</sub> Al <sub>14</sub> O <sub>25</sub> . <i>Journal of Luminescence</i> , <b>2011</b> , 131, 2255-2262	3.8	26
8	Y <sub>3</sub> Mg <sub>2</sub> AlSi <sub>2</sub> O <sub>12</sub> : phosphors prospective for warm-white light emitting diodes. <i>Optical Materials</i> , <b>2010</b> , 32, 1261-1265	3.3	57
7	Synthesis and optical properties of Ce <sup>3+</sup> -doped Y <sub>3</sub> Mg <sub>2</sub> AlSi <sub>2</sub> O <sub>12</sub> phosphors. <i>Journal of Luminescence</i> , <b>2009</b> , 129, 1356-1361	3.8	105
6	Low-temperature synthesis of lutetium gallium garnet (LGG) using sol-gel technique. <i>Materials Letters</i> , <b>2008</b> , 62, 1655-1658	3.3	16
5	CHARACTERIZATION OF CERIUM-DOPED YTTRIUM ALUMINIUM GARNET NANOPOWDERS SYNTHESIZED VIA SOL-GEL PROCESS. <i>Chemical Engineering Communications</i> , <b>2008</b> , 195, 758-769	2.2	25
4	Photoluminescence in sol-gel-derived YAG:Ce phosphors. <i>Journal of Crystal Growth</i> , <b>2007</b> , 304, 361-368	1.6	55
3	Aqueous sol-gel synthesis route for the preparation of YAG: Evaluation of sol-gel process by mathematical regression model. <i>Journal of Sol-Gel Science and Technology</i> , <b>2007</b> , 41, 193-201	2.3	39
2	Syntheses and Characterisation of Gd <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> and La <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> Garnets. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2007</b> , 72, 321-333		14
1	Sol-gel preparation of nanocrystalline CaWO <sub>4</sub> . <i>Lithuanian Journal of Physics</i> , <b>2007</b> , 47, 63-68	1.1	13