

Arturas Katelnikovas

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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	Luminescence and luminescence quenching in Gd ₃ (Ga,Al) ₅ O ₁₂ scintillators doped with Ce ³⁺ . <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2479-84	2.8	146
66	Synthesis and optical properties of Ce ³⁺ -doped Y ₃ Mg ₂ AlSi ₂ O ₁₂ phosphors. <i>Journal of Luminescence</i> , 2009 , 129, 1356-1361	3.8	105
65	Luminescence and luminescence quenching of highly efficient Y ₂ Mo ₄ O ₁₅ :Eu(3+) phosphors and ceramics. <i>Scientific Reports</i> , 2016 , 6, 26098	4.9	93
64	Synthesis and optical properties of Li ₃ Ba ₂ La ₃ (MoO ₄) ₈ :Eu ³⁺ powders and ceramics for pcLEDs. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22126		91
63	Luminescence and Luminescence Quenching of KBi(PO)(MoO):Eu Phosphors with Efficiencies Close to Unity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31772-31782	9.5	82
62	Y ₃ Mg ₂ AlSi ₂ O ₁₂ : phosphors prospective for warm-white light emitting diodes. <i>Optical Materials</i> , 2010 , 32, 1261-1265	3.3	57
61	Photoluminescence in sol-gel-derived YAG:Ce phosphors. <i>Journal of Crystal Growth</i> , 2007 , 304, 361-368	1.6	55
60	Dependence of the 5D ₀ -7F ₄ transitions of Eu ³⁺ on the local environment in phosphates and garnets. <i>Journal of Luminescence</i> , 2014 , 147, 290-294	3.8	54
59	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> , 2017 , 143, 175-183	5.2	44
58	Synthesis and optical properties of yellow emitting garnet phosphors for pcLEDs. <i>Journal of Luminescence</i> , 2013 , 136, 17-25	3.8	43
57	Synthesis and optical properties of green emitting garnet phosphors for phosphor-converted light emitting diodes. <i>Optical Materials</i> , 2012 , 34, 1195-1201	3.3	39
56	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> , 2007 , 41, 193-201	2.3	39
55	Synthesis and photoluminescence properties of Sm ³⁺ -doped LaMgB ₅ O ₁₀ and GdMgB ₅ O ₁₀ . <i>Journal of Luminescence</i> , 2011 , 131, 1525-1529	3.8	32
54	On the correlation between the composition of Pr ³⁺ doped garnet type materials and their photoluminescence properties. <i>Journal of Luminescence</i> , 2011 , 131, 2754-2761	3.8	30
53	Synthesis and optical properties of green to orange tunable garnet phosphors for pcLEDs. <i>Optical Materials</i> , 2011 , 33, 992-995	3.3	30
52	Photoluminescence of Pr ³⁺ -doped calcium and strontium stannates. <i>Journal of Luminescence</i> , 2016 , 172, 323-330	3.8	28
51	Host-sensitized luminescence properties of KLa ₅ O ₅ (VO ₄) ₂ :Eu ³⁺ for solid-state lighting applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7277-7285	7.1	26

50	Luminescence properties of Sm ³⁺ -doped alkaline earth ortho-stannates. <i>Optical Materials</i> , 2014 , 36, 1146-1152	3.3	26
49	Efficient cerium-based sol-gel derived phosphors in different garnet matrices for light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6247-6251	5.7	26
48	Synthesis and Sm ²⁺ /Sm ³⁺ doping effects on photoluminescence properties of Sr ₄ Al ₁₄ O ₂₅ . <i>Journal of Luminescence</i> , 2011 , 131, 2255-2262	3.8	26
47	Emission spectra tuning of upconverting NaGdF ₄ :20% Yb, 2% Er nanoparticles by Cr ³⁺ co-doping for optical temperature sensing. <i>Journal of Luminescence</i> , 2019 , 213, 210-217	3.8	25
46	New NIR emitting phosphor for blue LEDs with stable light output up to 180 °C. <i>Journal of Luminescence</i> , 2016 , 172, 185-190	3.8	25
45	Yellow persistent luminescence of Sr ₂ SiO ₄ :Eu ²⁺ ,Dy ³⁺ . <i>Journal of Luminescence</i> , 2012 , 132, 2398-2403	3.8	25
44	CHARACTERIZATION OF CERIUM-DOPED YTTRIUM ALUMINIUM GARNET NANOPOWDERS SYNTHESIZED VIA SOL-GEL PROCESS. <i>Chemical Engineering Communications</i> , 2008 , 195, 758-769	2.2	25
43	Chemical solution deposition of pure and Gd-doped ceria thin films: Structural, morphological and optical properties. <i>Ceramics International</i> , 2017 , 43, 4280-4287	5.1	22
42	Synthesis and optical properties of highly efficient red-emitting K ₂ LaNb ₅ O ₁₅ :Eu ³⁺ phosphors. <i>Optical Materials</i> , 2019 , 89, 25-33	3.3	18
41	Upconversion luminescence properties and thermal quenching mechanisms in the layered perovskite La _{1.9} Er _{0.1} Ti ₂ O ₇ towards an application as optical temperature sensor. <i>Journal of Alloys and Compounds</i> , 2018 , 744, 516-527	5.7	18
40	Synthesis and Optical Properties of Li ₃ Ba ₂ La ₃ (MoO ₄) ₈ :Sm ³⁺ Powders for pcLEDs. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014 , 69, 183-192	1	17
39	Two-step photochemical inorganic approach to the synthesis of Ag-CeO ₂ nanoheterostructures and their photocatalytic activity on tributyltin degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 351, 29-41	4.7	16
38	On the Ce ³⁺ -Cr ³⁺ energy transfer in Lu ₃ Al ₅ O ₁₂ garnets. <i>Optical Materials</i> , 2014 , 37, 204-210	3.3	16
37	Concentration influence on temperature-dependent luminescence properties of samarium substituted strontium tetraborate. <i>Journal of Luminescence</i> , 2012 , 132, 141-146	3.8	16
36	Low-temperature synthesis of lutetium gallium garnet (LGG) using sol-gel technique. <i>Materials Letters</i> , 2008 , 62, 1655-1658	3.3	16
35	Synthesis, structural and luminescence properties of (La _{1-x} Ln _x) ₂ Ti ₂ O ₇ (Ln=lanthanides) solid solutions. <i>Journal of Alloys and Compounds</i> , 2016 , 683, 634-646	5.7	16
34	Luminescence and luminescence quenching of efficient Gd ₃ B ₅ O ₉ :Eu ³⁺ red phosphors. <i>Journal of Luminescence</i> , 2017 , 192, 520-526	3.8	15
33	Thermal decomposition synthesis of Er ³⁺ -activated NaYbF ₄ upconverting microparticles for optical temperature sensing. <i>Journal of Luminescence</i> , 2019 , 215, 116672	3.8	14

32	Syntheses and Characterisation of Gd ₃ Al ₅ O ₁₂ and La ₃ Al ₅ O ₁₂ Garnets. <i>Collection of Czechoslovak Chemical Communications</i> , 2007 , 72, 321-333		14
31	Doping effect of Tb ³⁺ ions on luminescence properties of Y ₃ Al ₅ O ₁₂ :Cr ³⁺ phosphor. <i>Journal of Luminescence</i> , 2016 , 179, 355-360	3.8	14
30	Eu-Doped YNdAlO garnet: synthesis and structural investigation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3729-3737	3.6	13
29	Sol-gel preparation of nanocrystalline CaWO ₄ . <i>Lithuanian Journal of Physics</i> , 2007 , 47, 63-68	1.1	13
28	Synthesis and optical properties of Y ₂ Mo ₄ O ₁₅ doped by Pr ³⁺ . <i>Journal of Luminescence</i> , 2017 , 190, 525-538	3.8	12
27	Tb ³⁺ to Cr ³⁺ energy transfer in a co-doped Y ₃ Al ₅ O ₁₂ host. <i>Journal of Luminescence</i> , 2019 , 208, 327-333	3.8	11
26	Luminescence and up-conversion properties in La ₂ Ti ₂ O ₇ :Eu ³⁺ ,Er ³⁺ oxides under UV and NIR radiations towards a two-color sensor. <i>Journal of Alloys and Compounds</i> , 2020 , 826, 154157	5.7	10
25	Luminescence and luminescence quenching of Eu ₂ Mo ₄ O ₁₅ . <i>Journal of Luminescence</i> , 2016 , 179, 35-39	3.8	10
24	Eu ³⁺ - Doped Ln ₃ Al ₅ O ₁₂ (Ln = Er, Tm, Yb, Lu) garnets: Synthesis, characterization and investigation of structural and luminescence properties. <i>Journal of Luminescence</i> , 2019 , 212, 14-22	3.8	9
23	Eu ³⁺ -Doped Y ₃ Sm _x Al ₅ O ₁₂ garnet: synthesis and structural investigation. <i>New Journal of Chemistry</i> , 2018 , 42, 2278-2287	3.6	9
22	Nanostructuring of SnO ₂ via solution-based and hard template assisted method. <i>Thin Solid Films</i> , 2017 , 626, 38-45	2.2	8
21	Ultralight Magnetic Nanofibrous GdPO Aerogel. <i>ACS Omega</i> , 2020 , 5, 14180-14185	3.9	7
20	Synthesis and characterization of Tb ³⁺ and Eu ³⁺ metal-organic frameworks with TFBC ₂ linkers. <i>Optical Materials</i> , 2018 , 83, 363-369	3.3	7
19	Optical Properties of Red-Emitting RbBi(PO)(MoO):Eu Powders and Ceramics with High Quantum Efficiency for White LEDs. <i>Materials</i> , 2019 , 12,	3.5	7
18	Temperature induced emission enhancement and investigation of Nd ³⁺ -Yb ³⁺ energy transfer efficiency in NaGdF ₄ :Nd ³⁺ , Yb ³⁺ , Er ³⁺ upconverting nanoparticles. <i>Journal of Luminescence</i> , 2020 , 223, 117237	3.8	6
17	Powder Reflection Spectroscopy in the Vacuum uv range. <i>Journal of Applied Spectroscopy</i> , 2014 , 81, 341-346	3.6	6
16	A Facile Synthesis and Characterization of Highly Crystalline Submicro-Sized BiFeO ₃ . <i>Materials</i> , 2020 , 13,	3.5	6
15	Preparation by different methods and analytical characterization of gadolinium-doped ceria. <i>Chemical Papers</i> , 2018 , 72, 129-138	1.9	6

14	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> , 2019 , 58, 11410-11419	5.1	5
13	Synthesis and luminescent properties of novel Ba ₂ Eu _x Zr _{2-2x} Hf _y Si ₃ O ₁₂ phosphor. <i>Optical Materials</i> , 2011 , 33, 1272-1277	3.3	5
12	Temperature-Dependent Luminescence of Red-Emitting BaYBO: Eu Phosphors with Efficiencies Close to Unity for Near-UV LEDs. <i>Materials</i> , 2020 , 13,	3.5	4
11	Luminescence and luminescence quenching of Sr ₃ Lu ₂ (Si ₃ O ₉) ₂ :Ce ³⁺ phosphors. <i>Journal of Luminescence</i> , 2017 , 184, 185-190	3.8	3
10	Photochemical synthesis of CeO ₂ nanoscale particles using sodium azide as a photoactive material: effects of the annealing temperature and polyvinylpyrrolidone addition. <i>RSC Advances</i> , 2016 , 6, 107065-107074	3.7	2
9	Synthesis and optical properties investigation of blue-excitable red-emitting K ₂ Bi(PO ₄)(MoO ₄):Pr ³⁺ powders. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 15779-15787	5.5	2
8	Controlled hydrothermal synthesis, morphological design and colloidal stability of GdPO ₄ ·nH ₂ O particles. <i>Materials Today Communications</i> , 2020 , 23, 100934	2.5	2
7	Synthesis of Y ₃ Lu _x Al ₃ MgSiO ₁₂ garnet powders by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 59, 311-314	2.3	2
6	Sol-Gel Synthesis and Characterization of Non-Substituted and Europium-Substituted Layered Double Hydroxides Mg ₃ /Al _{1-x} Eu _x . <i>Current Inorganic Chemistry</i> , 2017 , 6, 149-154		2
5	Characterization and stability study of cranberry flavonoids in lipid liquid crystalline systems. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1600373	3	1
4	Effect of Cationic Brush-Type Copolymers on the Colloidal Stability of GdPO Particles with Different Morphologies in Biological Aqueous Media. <i>Langmuir</i> , 2020 , 36, 7533-7544	4	1
3	Luminescence and luminescence quenching of K ₂ Bi(PO ₄)(MoO ₄):Sm ³⁺ phosphors for horticultural and general lighting applications. <i>Materials Advances</i> , 2020 , 1, 1427-1438	3.3	1
2	Synthesis and optical properties of efficient orange emitting Gd ₂ B ₅ O ₉ :Sm ³⁺ phosphors. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 94, 80-87	2.3	0
1	Synthesis, structural and luminescent properties of Mn-doped calcium pyrophosphate (Ca ₂ P ₂ O ₇) polymorphs.. <i>Scientific Reports</i> , 2022 , 12, 7116	4.9	0