

# Anton Kostyukov

## List of Publications by Year in descending order

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19  
papers

269  
citations

840776

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940533

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19  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescence and Raman spectroscopy studies of low-temperature $\hat{\Gamma}^3$ -Al <sub>2</sub> O <sub>3</sub> phases synthesized from different precursors. Optical Materials, 2016, 53, 87-93.	3.6	37
2	Photoluminescence of oxygen vacancies in nanostructured Al <sub>2</sub> O <sub>3</sub> . Optical Materials, 2018, 75, 757-763.	3.6	32
3	Local structure of low-temperature $\hat{\Gamma}^3$ -Al <sub>2</sub> O <sub>3</sub> phases as determined by the luminescence of Cr <sup>3+</sup> and Fe <sup>3+</sup> . RSC Advances, 2015, 5, 5686-5694.	3.6	26
4	Photoluminescence of Cr <sup>3+</sup> in nanostructured Al <sub>2</sub> O <sub>3</sub> synthesized by evaporation using a continuous wave CO <sub>2</sub> laser. RSC Advances, 2016, 6, 2072-2078.	3.6	23
5	Luminescence of monoclinic Y <sub>2</sub> O <sub>3</sub> :Eu nanophosphor produced via laser vaporization. Optical Materials, 2020, 104, 109843.	3.6	19
6	Size-dependent photoluminescence of europium in alumina nanoparticles synthesized by cw CO <sub>2</sub> laser vaporization. Journal of Alloys and Compounds, 2020, 815, 152476.	5.5	14
7	Synthesis, structure and optical properties of the laser synthesized Al <sub>2</sub> O <sub>3</sub> nanopowders depending on the crystallite size and vaporization atmosphere. Advanced Powder Technology, 2021, 32, 2733-2742.	4.1	14
8	Laser-induced damage threshold of BaGa <sub>4</sub> Se <sub>7</sub> and BaGa <sub>2</sub> GeSe <sub>6</sub> nonlinear crystals at 1053 nm. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2260.	2.1	14
9	Synthesis, structure and photoluminescent properties of Eu:Gd <sub>2</sub> O <sub>3</sub> nanophosphor synthesized by cw CO <sub>2</sub> laser vaporization. Journal of Luminescence, 2021, 235, 118050.	3.1	13
10	Laser vaporized CrOx/Al <sub>2</sub> O <sub>3</sub> nanopowders as a catalyst for isobutane dehydrogenation. Materials Characterization, 2020, 169, 110664.	4.4	12
11	Laser-induced damage threshold of the nonlinear crystals BaGa <sub>4</sub> Se <sub>7</sub> and BaGa <sub>2</sub> GeSe <sub>6</sub> at 2091 nm in the nanosecond regime. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2655.	2.1	12
12	Photoluminescence of surface chromium centers in the Cr/Al <sub>2</sub> O <sub>3</sub> system that is active in isobutane dehydrogenation. Materials Chemistry and Physics, 2019, 234, 403-410.	4.0	11
13	Optical properties of composites based on polyethylene and monoclinic Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanoparticles. Materials Chemistry and Physics, 2021, 273, 125140.	4.0	11
14	Photoluminescence properties of microspherical alumina-chromium catalyst. Inorganic Materials: Applied Research, 2014, 5, 476-481.	0.5	10
15	Shaping the photoluminescence spectrum of ZrO <sub>2</sub> :Eu <sup>3+</sup> phosphor in dependence on the Eu concentration. Optical Materials, 2021, 121, 111620.	3.6	8
16	Luminescent properties of Al <sub>2</sub> O <sub>3</sub> :Tb <sup>3+</sup> nanoparticles obtained by cw CO <sub>2</sub> laser vaporization. Optical Materials, 2020, 110, 110508.	3.6	6
17	Catalytic activity of laser-synthesized CrOx/Al <sub>2</sub> O <sub>3</sub> nanocatalysts with different particle sizes in isobutane dehydrogenation. Journal of Nanoparticle Research, 2022, 24, .	1.9	4
18	New Insight into Titanium-Magnesium Ziegler-Natta Catalysts Using Photoluminescence Spectroscopy. Applied Spectroscopy, 2020, 74, 1209-1218.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Luminescent probing of the simplest chiral $\alpha$ -amino acid—alanine in an enantiopure and racemic state. Chirality, 2017, 29, 332-339.	2.6	0