Roman N Maksimov

List of Publications by Year
in descending order

18 papers	188 citations	1039406 9 h-index	1125271 13 g-index
18 all docs	18 docs citations	18 times ranked	144 citing authors

#	Article	IF	Citations
1	Effect of post-annealing in air on optical and XPS spectra of Y2O3 ceramics doped with CeO2. Mendeleev Communications, 2019, 29, 102-104.	0.6	34
2	High efficiency emission of a laser based on Yb-doped (Lu,Y)2O3 ceramic. Optical Materials, 2018, 83, 182-186.	1.7	27
3	Achievements and Future Perspectives of the Trivalent Thulium-Ion-Doped Mixed-Sesquioxide Ceramics for Laser Applications. Materials, 2022, 15, 2084.	1.3	18
4	Yb3+:(LuxY1-x)2O3 mixed sesquioxide ceramics for laser applications. Part II: Laser performances. Journal of Alloys and Compounds, 2021, 853, 156943.	2.8	17
5	Effect of SiO2 addition on structural and optical properties of Yb:Lu3Al5O12 transparent ceramics based on laser ablated nanopowders. Journal of Alloys and Compounds, 2019, 806, 717-725.	2.8	15
6	Spectroscopic investigation and laser behaviour of Yb-doped laser ceramics based on mixed crystalline structure (ScxY1-x)2O3. Ceramics International, 2021, 47, 29483-29489.	2.3	14
7	Yb3+:(LuxY1â˜'x)2O3 mixed sesquioxide ceramics for laser applications. Part I: Fabrication, microstructure and spectroscopy. Journal of Alloys and Compounds, 2021, 869, 159227.	2.8	13
8	Fabrication and characterization ofIRâ€transparent Fe2+doped MgAl2O4ceramics. Journal of the American Ceramic Society, 2019, 102, 4757-4764.	1.9	11
9	Continuously tuned (Tm0.05Sc0.252Y0.698)2O3 ceramic laser with emission peak at 2076Ânm. Journal of Alloys and Compounds, 2021, 889, 161585.	2.8	10
10	Comparative study of Yb:Lu3Al5O12 and Yb:Lu2O3 laser ceramics produced from laser-ablated nanopowders. Ceramics International, 2021, 47, 6633-6642.	2.3	9
11	Optical Transparency and Local Electronic Structure of Yb-Doped Y2O3 Ceramics with Tetravalent Additives. Symmetry, 2019, 11, 243.	1.1	7
12	Comparative study of Ho:Y2O3 and Ho:Y3Al5O12 transparent ceramics produced from laser-ablated nanoparticles. Journal of Luminescence, 2021, 240, 118460.	1.5	7
13	Fabrication, Microstructure, and Spectroscopic Properties of Transparent Yb_{0.118}Lu_{0.464}Y_{1.418}O₃ Ceramics. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900883.	0.8	3
14	Efficient laser operation of Yb:Lu3Al5O12 transparent ceramics fabricated from laser ablated nanopowders. , 2020, , .		2
15	Fabrication and characterization of highly transparent Fe2+:MgAl2O4 ceramics. , 2019, , .		1
16	Transparent Yb:Lu3Al5O12 Laser Ceramics Based on Nanopowders Produced by Laser Ablation. , 2019, , .		0
17	Comparative study of Ho:Y3Al5O12 and Ho:Y2O3 transparent ceramics synthesized from laser ablated nanopowders. EPJ Web of Conferences, 2020, 243, 12001.	0.1	0
18	Laser Operation of Yb3+-doped Lu-based Oxide Ceramics: A Comparative Study. , 2020, , .		0