Dmitry Vakalov

List of Publications by Year
in descending order

12	139	1307594 7	1199594 12
papers	citations	h-index	g-index

12	12	12	66
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of YSAG:Er ceramics and the study of the scandium impact in the dodecahedral and octahedral garnet sites on the Er3+ energy structure. Journal of Luminescence, 2022, 241, 118539.	3.1	9
2	Cerium-doped gadolinium-scandium-aluminum garnet powders: synthesis and use in X-ray luminescent diamond composites. Ceramics International, 2022, 48, 12962-12970.	4.8	12
3	Sintering and microstructure evolution of Er1.5Y1.5-xScx+yAl5-yO12 garnet ceramics with scandium in dodecahedral and octahedral sites. Journal of the European Ceramic Society, 2022, 42, 2464-2477.	5.7	9
4	The scandium impact on the sintering of YSAG:Yb ceramics with high optical transmittance. Ceramics International, 2021, 47, 1772-1784.	4.8	20
5	Diamond composite with embedded YAG:Ce nanoparticles as a source of fast X-ray luminescence in the visible and near-IR range. Carbon, 2021, 174, 52-58.	10.3	14
6	The influence of the Sc³⁺ dopant on the transmittance of (Y,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (Er)<sub>3</su	3.3	7
7	X-ray luminescence of diamond composite films containing yttrium-aluminum garnet nanoparticles with varied composition of Scâ€“Ce doping. Ceramics International, 2021, 47, 13922-13926.	4.8	6
8	Synthesis of nanosized manganese methahydroxide stabilized by cystine. Materials Chemistry and Physics, 2021, 265, 124510.	4.0	8
9	Nucleation and growth of YAG: Yb crystallites: A step towards the dispersity control. Ceramics International, 2020, 46, 28585-28593.	4.8	5
10	Temperature-related changes in the structure of YSAG:Yb garnet solid solutions with high Sc concentration. Journal of the European Ceramic Society, 2019, 39, 4946-4956.	5.7	17
11	Influence of the ceramic powder morphology and forming conditions on the optical transmittance of YAG:Yb ceramics. Ceramics International, 2019, 45, 4418-4423.	4.8	27
12	Particle size analysis of niosomes as a function of temperature. Nanosystems: Physics, Chemistry, Mathematics, 2018, 9, 290-294.	0.4	5