

Dmitry Vakalov

List of Publications by Year in descending order

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12
papers

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1307594

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all docs

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docs citations

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times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the ceramic powder morphology and forming conditions on the optical transmittance of YAG:Yb ceramics. <i>Ceramics International</i> , 2019, 45, 4418-4423.	4.8	27
2	The scandium impact on the sintering of YSAG:Yb ceramics with high optical transmittance. <i>Ceramics International</i> , 2021, 47, 1772-1784.	4.8	20
3	Temperature-related changes in the structure of YSAG:Yb garnet solid solutions with high Sc concentration. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4946-4956.	5.7	17
4	Diamond composite with embedded YAG:Ce nanoparticles as a source of fast X-ray luminescence in the visible and near-IR range. <i>Carbon</i> , 2021, 174, 52-58.	10.3	14
5	Cerium-doped gadolinium-scandium-aluminum garnet powders: synthesis and use in X-ray luminescent diamond composites. <i>Ceramics International</i> , 2022, 48, 12962-12970.	4.8	12
6	Synthesis of YSAG:Er ceramics and the study of the scandium impact in the dodecahedral and octahedral garnet sites on the Er ³⁺ energy structure. <i>Journal of Luminescence</i> , 2022, 241, 118539.	3.1	9
7	Sintering and microstructure evolution of Er _{1.5} Y _{1.5-x} Sc _x +yAl _{5-y} O ₁₂ garnet ceramics with scandium in dodecahedral and octahedral sites. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2464-2477.	5.7	9
8	Synthesis of nanosized manganese methahydroxide stabilized by cystine. <i>Materials Chemistry and Physics</i> , 2021, 265, 124510.	4.0	8
9	The influence of the Sc ³⁺ dopant on the transmittance of (Y, _{1-x} Tm _x) ₂ Er ₂ O ₇ garnet ceramics. <i>Ceramics International</i> , 2021, 47, 13922-13926.	3.3	7
10	X-ray luminescence of diamond composite films containing yttrium-aluminum garnet nanoparticles with varied composition of Sc ³⁺ /Ce doping. <i>Ceramics International</i> , 2021, 47, 13922-13926.	4.8	6
11	Nucleation and growth of YAG: Yb crystallites: A step towards the dispersity control. <i>Ceramics International</i> , 2020, 46, 28585-28593.	4.8	5
12	Particle size analysis of niosomes as a function of temperature. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2018, 9, 290-294.	0.4	5