

Avital Wagner

List of Publications by Year in descending order

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18
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docs citations

18
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citing authors

#	ARTICLE	IF	CITATIONS
1	Optical and mechanical properties of transparent alumina fabricated by high-pressure spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2712-2719.	5.7	38
2	Residual porosity and optical properties of spark plasma sintered transparent polycrystalline cerium-doped YAG. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1436-1442.	5.7	37
3	Non-uniform microstructure evolution in transparent alumina during dwell stage of high-pressure spark plasma sintering. <i>Acta Materialia</i> , 2020, 199, 469-479.	7.9	29
4	Deformation in nanocrystalline ceramics: A microstructural study of MgAl ₂ O ₄ . <i>Acta Materialia</i> , 2020, 183, 137-144.	7.9	27
5	Stress-enhanced dynamic grain growth during high-pressure spark plasma sintering of alumina. <i>Acta Materialia</i> , 2019, 164, 390-399.	7.9	26
6	Biogenic Guanine Crystals Are Solid Solutions of Guanine and Other Purine Metabolites. <i>Journal of the American Chemical Society</i> , 2022, 144, 5180-5189.	13.7	26
7	Highly-doped Nd:YAG ceramics fabricated by conventional and high pressure SPS. <i>Ceramics International</i> , 2019, 45, 12279-12284.	4.8	24
8	The Non-Classical Crystallization Mechanism of a Composite Biogenic Guanine Crystal. <i>Advanced Materials</i> , 2022, 34, .	21.0	16
9	Controlled pore growth for enhanced photoluminescence of ceramic phosphors. <i>Scripta Materialia</i> , 2021, 202, 114008.	5.2	13
10	Pressure-assisted sintering and characterization of Nd:YAG ceramic lasers. <i>Scientific Reports</i> , 2021, 11, 1512.	3.3	12
11	Optical properties of transparent polycrystalline ruby (Cr:Al ₂ O ₃) fabricated by high-pressure spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3520-3526.	5.7	12
12	Functional Molecular Crystals in Biology. <i>Israel Journal of Chemistry</i> , 2021, 61, 668-678.	2.3	12
13	Effect of synthesis route on optical properties of Cr:Al ₂ O ₃ transparent ceramics sintered under high pressure. <i>Journal of Alloys and Compounds</i> , 2022, 913, 165186.	5.5	12
14	Enhanced external luminescence quantum efficiency of ceramic phosphors by surface roughening. <i>Journal of Luminescence</i> , 2019, 213, 454-458.	3.1	11
15	Improved alumina transparency achieved by high-pressure spark plasma sintering of commercial powder. <i>Ceramics International</i> , 2020, 46, 21794-21799.	4.8	11
16	Transparent Er ₂ O ₃ ceramics fabricated by high-pressure spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4700-4703.	5.7	9
17	Photoluminescence of Doped YAG Transparent Ceramics Fabricated by Spark Plasma Sintering. <i>Israel Journal of Chemistry</i> , 2020, 60, 550-556.	2.3	6