

Xudong Luo

List of Publications by Year in descending order

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23
papers

391
citations

933447

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794594

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23
docs citations

23
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Characterization on the Isothermal Kinetics of Mg(OH) ₂ -sol Synthesized by Chemical Method. Journal of Asian Ceramic Societies, 2022, 10, 130-137.	2.3	2
2	Fabrication and analysis of lightweight magnesia refractories with micro-nanometer double pore size structure. Journal of the Australian Ceramic Society, 2022, 58, 627-636.	1.9	6
3	Study on the properties of periclase-forsterite lightweight heat-insulating refractories for ladle permanent layer. Ceramics International, 2022, 48, 20275-20284.	4.8	4
4	Mechanical properties and thermal shock resistance performance of spark plasma sintered MgO-Al ₂ O ₃ -SiO ₂ ceramics. Ceramics International, 2022, 48, 28548-28556.	4.8	5
5	Hierarchical porous ceramics with multiple open pores from boehmite gel emulsions. Journal of the American Ceramic Society, 2021, 104, 1902-1907.	3.8	10
6	Non-isothermal kinetic study of high-grade magnesite thermal decomposition and morphological evolution of MgO. International Journal of Applied Ceramic Technology, 2021, 18, 765-772.	2.1	4
7	Recent Advances in Noncontact External-Field-Assisted Photocatalysis: From Fundamentals to Applications. ACS Catalysis, 2021, 11, 4739-4769.	11.2	173
8	Sintering behavior and thermal shock resistance of aluminum titanate (Al ₂ TiO ₅)-toughened MgO-based ceramics. Ceramics International, 2021, 47, 26643-26650.	4.8	13
9	A review on porous ceramics with hierarchical pore structure by 3D printing-based combined route. Journal of Asian Ceramic Societies, 2021, 9, 1377-1389.	2.3	20
10	Sintering behavior and mechanical properties of spark plasma sintering SiO ₂ -MgO ceramics. Ceramics International, 2020, 46, 2585-2591.	4.8	12
11	A novel hollow alumina sphere-based ceramic bonded by in situ mullite whisker framework. Materials and Design, 2020, 186, 108334.	7.0	33
12	Preparation and characterization of microporous magnesia-based refractory. International Journal of Applied Ceramic Technology, 2020, 17, 2629-2637.	2.1	24
13	Influence of 3D Printed Topological Structure on Lightweight Mullite Load Bearing Board in Thermal Environment. Advances in Materials Science and Engineering, 2020, 2020, 1-8.	1.8	4
14	Preparation of cordierite powder by chemical coprecipitation-rotation evaporation and solid reaction sintering. Journal of the Australian Ceramic Society, 2020, 56, 1575-1582.	1.9	3
15	Crack tolerant silicon carbide ceramics prepared by liquid-phase assisted oscillatory pressure sintering. Ceramics International, 2020, 46, 18965-18969.	4.8	16
16	A Novel Approach to Fabricate Foam Ceramics from Steel Slag. Advances in Materials Science and Engineering, 2020, 2020, 1-7.	1.8	2
17	The effects of $\hat{\Gamma}^2$ -Si ₃ N ₄ on the formation and oxidation of $\hat{\Gamma}^2$ -SiAlON. High Temperature Materials and Processes, 2020, 39, 247-255.	1.4	2
18	Modification of matrix for magnesia material by in situ nitridation. Ceramics International, 2019, 45, 17955-17961.	4.8	4

#	ARTICLE	IF	CITATIONS
19	Effect of magnesia-alumina spinel precursor sol on the sintering property of fused magnesia refractory. <i>Ceramics International</i> , 2019, 45, 3459-3464.	4.8	10
20	Effect of print path process on sintering behavior and thermal shock resistance of Al ₂ O ₃ ceramics fabricated by 3D inkjet-printing. <i>Ceramics International</i> , 2018, 44, 16766-16772.	4.8	17
21	Effect of molar ratios of MgO/Al ₂ O ₃ on the sintering behavior and thermal shock resistance of MgO/Al ₂ O ₃ /SiO ₂ composite ceramics. <i>Materials Chemistry and Physics</i> , 2017, 185, 1-5.	4.0	12
22	Effects of doping Al ₂ O ₃ /2SiO ₂ on the structure and properties of magnesium matrix ceramic. <i>Materials Chemistry and Physics</i> , 2016, 175, 6-12.	4.0	13
23	In situ synthesis and interfacial bonding mechanism of SiC in MgO-SiC-C refractories. <i>International Journal of Applied Ceramic Technology</i> , 0, , .	2.1	2