

# Xudong Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

391  
citations

933447

10  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Noncontact External-Field-Assisted Photocatalysis: From Fundamentals to Applications. <i>ACS Catalysis</i> , 2021, 11, 4739-4769.	11.2	173
2	A novel hollow alumina sphere-based ceramic bonded by in situ mullite whisker framework. <i>Materials and Design</i> , 2020, 186, 108334.	7.0	33
3	Preparation and characterization of microporous magnesia-based refractory. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2629-2637.	2.1	24
4	A review on porous ceramics with hierarchical pore structure by 3D printing-based combined route. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 1377-1389.	2.3	20
5	Effect of print path process on sintering behavior and thermal shock resistance of Al <sub>2</sub> O <sub>3</sub> ceramics fabricated by 3D inkjet-printing. <i>Ceramics International</i> , 2018, 44, 16766-16772.	4.8	17
6	Crack tolerant silicon carbide ceramics prepared by liquid-phase assisted oscillatory pressure sintering. <i>Ceramics International</i> , 2020, 46, 18965-18969.	4.8	16
7	Effects of doping Al <sub>2</sub> O <sub>3</sub> /2SiO <sub>2</sub> on the structure and properties of magnesium matrix ceramic. <i>Materials Chemistry and Physics</i> , 2016, 175, 6-12.	4.0	13
8	Sintering behavior and thermal shock resistance of aluminum titanate (Al <sub>2</sub> TiO <sub>5</sub> )-toughened MgO-based ceramics. <i>Ceramics International</i> , 2021, 47, 26643-26650.	4.8	13
9	Effect of molar ratios of MgO/Al <sub>2</sub> O <sub>3</sub> on the sintering behavior and thermal shock resistance of MgO/Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> composite ceramics. <i>Materials Chemistry and Physics</i> , 2017, 185, 1-5.	4.0	12
10	Sintering behavior and mechanical properties of spark plasma sintering SiO <sub>2</sub> -MgO ceramics. <i>Ceramics International</i> , 2020, 46, 2585-2591.	4.8	12
11	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
12	Hierarchical porous ceramics with multiple open pores from boehmite gel emulsions. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1902-1907.	3.8	10
13	Fabrication and analysis of lightweight magnesia refractories with micro-nanometer double pore size structure. <i>Journal of the Australian Ceramic Society</i> , 2022, 58, 627-636.	1.9	6
14	Mechanical properties and thermal shock resistance performance of spark plasma sintered MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> ceramics. <i>Ceramics International</i> , 2022, 48, 28548-28556.	4.8	5
15	Modification of matrix for magnesia material by in situ nitridation. <i>Ceramics International</i> , 2019, 45, 17955-17961.	4.8	4
16	Influence of 3D Printed Topological Structure on Lightweight Mullite Load Bearing Board in Thermal Environment. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-8.	1.8	4
17	Non-isothermal kinetic study of high-grade magnesite thermal decomposition and morphological evolution of MgO. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 765-772.	2.1	4
18	Study on the properties of periclase-forsterite lightweight heat-insulating refractories for ladle permanent layer. <i>Ceramics International</i> , 2022, 48, 20275-20284.	4.8	4

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19	Preparation of cordierite powder by chemical coprecipitationâ€“rotation evaporation and solid reaction sintering. Journal of the Australian Ceramic Society, 2020, 56, 1575-1582.	1.9	3
20	A Novel Approach to Fabricate Foam Ceramics from Steel Slag. Advances in Materials Science and Engineering, 2020, 2020, 1-7.	1.8	2
21	The effects of $\hat{I}^2$ -Si <sub>3</sub> N <sub>4</sub> on the formation and oxidation of $\hat{I}^2$ -SiAlON. High Temperature Materials and Processes, 2020, 39, 247-255.	1.4	2
22	Development and Characterization on the Isothermal Kinetics of Mg(OH) <sub>2</sub> -sol Synthesized by Chemical Method. Journal of Asian Ceramic Societies, 2022, 10, 130-137.	2.3	2
23	In situ synthesis and interfacial bonding mechanism of SiC in MgOâ€“SiCâ€“C refractories. International Journal of Applied Ceramic Technology, 0, , .	2.1	2