

# Li Yuanbing

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

568  
citations

759233

12  
h-index

642732

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion of Li-ion battery cathode materials on mullite insulation materials during calcination. <i>Ceramics International</i> , 2022, 48, 20220-20227.	4.8	5
2	Thermally insulating GdBO <sub>3</sub> ceramics with neutron shielding performance. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 1428-1438.	2.1	7
3	Preparation and microstructure evolution of novel ultra-low thermal conductivity calcium silicate-based ceramic foams. <i>Ceramics International</i> , 2022, 48, 21561-21570.	4.8	6
4	Effects of cerium doping on the microstructure, mechanical properties, thermal conductivity, and dielectric properties of ZrP <sub>2</sub> O <sub>7</sub> ceramics. <i>Ceramics International</i> , 2022, 48, 21700-21708.	4.8	5
5	Thermally insulating magnesium borate foams with controllable structures. <i>Ceramics International</i> , 2022, 48, 25506-25512.	4.8	5
6	Effect of Ti-Fe alloys on microstructure and properties of nitride/oxynitride bonded SiC ceramics sintered under CO/N <sub>2</sub> atmosphere. <i>Ceramics International</i> , 2022, , .	4.8	2
7	Microscopic regulation of plant morphological pores on mechanical properties of porous mullite materials. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 405-418.	2.1	5
8	New insight into treatment of foundry waste: porous insulating refractory based on waste foundry sand via a sacrificial fugitive route. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 427-433.	1.9	4
9	Structural stability and neutron-shielding capacity of GdBO <sub>3</sub> -Al <sub>18</sub> B <sub>4</sub> O <sub>33</sub> composite ceramics: Experimental investigation and numerical simulation. <i>Ceramics International</i> , 2021, 47, 20935-20947.	4.8	5
10	Fabrication of basalt cotton/polytetrafluoroethylene (BC/PTFE) composite fiberboards with excellent dielectric properties over a wide frequency range. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12275-12282.	2.2	1
11	Hollow silica spheres planted on a three-dimensional skeleton of basalt cotton. <i>Materials Letters</i> , 2021, 290, 129455.	2.6	3
12	Exploring the potential of the mechanical/thermal properties and co-shielding ability of Bi <sub>2</sub> O <sub>3</sub> -doped aluminum borate ceramics against neutron/gamma radiation. <i>Ceramics International</i> , 2021, 47, 15508-15519.	4.8	13
13	Insight into the corrosion failure of mullite thermal insulation materials in carbon monoxide. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1792-1800.	2.1	4
14	Enhancements in the properties of porous alumina materials by utilizing multi-sol-impregnated walnut shell. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 1553-1562.	1.9	1
15	Novel two-step sintering and in situ bonding method for fabrication of ZrP <sub>2</sub> O <sub>7</sub> ceramics. <i>Ceramics International</i> , 2021, 47, 23875-23879.	4.8	6
16	Properties of barium zirconate sintered from different barium and zirconium sources. <i>Ceramics International</i> , 2021, 47, 31194-31201.	4.8	17
17	Novel ZrP <sub>2</sub> O <sub>7</sub> ceramic foams with controllable structures and ultra-low thermal conductivity. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7233-7240.	5.7	15
18	Novel aluminum borate foams with controllable structures as exquisite high-temperature thermal insulators. <i>Journal of the European Ceramic Society</i> , 2020, 40, 173-180.	5.7	30

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19	Ultra-low-density calcium hexaaluminate foams prepared by sintering of thermo-foamed alumina-calcium carbonate powder dispersions in molten sucrose. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 301-308.	1.9	4
20	Corrosion degradation of mullite subject to carbon monoxide atmosphere at 1000 o C to 1600°C. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 1688-1692.	2.1	9
21	Preparation of high-strength lightweight alumina with plant-derived pore using corn stalk as pore-forming agent. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2465-2472.	2.1	3
22	Microstructural evolution and kinetics analysis of aluminum borate ceramics via solid-state reaction synthesis. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 2457-2466.	2.1	12
23	A simple approach for improving high-temperature mechanical and insulation performance in chamotte with added zircon. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 2342-2348.	2.1	0
24	Fabrication of mullite-corundum foamed ceramics for thermal insulation and effect of micro-pore-foaming agent on their properties. <i>Journal of Alloys and Compounds</i> , 2019, 785, 1030-1037.	5.5	57
25	Hydration behavior and microstructural evolution of hydratable alumina with different particle size in alumina-spinel castables. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 199-206.	1.1	3
26	Micro-Porosity and Properties of Light-Weight Insulation Refractories Based on Calcined Flint Clay. <i>Transactions of the Indian Ceramic Society</i> , 2019, 78, 7-12.	1.0	7
27	Novel method of fabricating ultra-light aluminum borate foams with hierarchical pore structure. <i>Materials Letters</i> , 2019, 243, 92-95.	2.6	11
28	Effect of microsilica content on microstructure and properties of foamed ceramics with needle-like mullite. <i>Processing and Application of Ceramics</i> , 2019, 13, 202-209.	0.8	7
29	Fabrication of calcium hexaluminate-based porous ceramic with microsilica addition. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 1054-1059.	2.1	12
30	Optimal design on the mechanical and thermal properties of porous alumina ceramics based on fractal dimension analysis. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 643-652.	2.1	6
31	Preparation and characterization of mullite foam ceramics with porous struts from white clay and industrial alumina. <i>Ceramics International</i> , 2018, 44, 22950-22956.	4.8	39
32	Porous alumina ceramics with enhanced mechanical and thermal insulation properties based on sol-treated rice husk. <i>Ceramics International</i> , 2018, 44, 22616-22621.	4.8	25
33	Novel applications of waste ceramics on the fabrication of foamed materials for exterior building walls insulation. <i>Construction and Building Materials</i> , 2018, 180, 291-297.	7.2	20
34	Effects of nano-alumina content on the formation of interconnected pores in porous purging plug materials. <i>Ceramics International</i> , 2017, 43, 16722-16726.	4.8	21
35	Effects of pore structure on thermal conductivity and strength of alumina porous ceramics using carbon black as pore-forming agent. <i>Ceramics International</i> , 2016, 42, 8221-8228.	4.8	151
36	Effects of foaming temperature on the preparation and microstructure of alumina foams. <i>Materials Letters</i> , 2016, 165, 19-21.	2.6	14

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37	Carbothermic reduction synthesis of Ti(C, N) powder in the presence of molten salt. <i>Ceramics International</i> , 2008, 34, 1253-1259.	4.8	33