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List of Publications by Year in descending order

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40 papers	949 citations	448610 19 h-index	511568 30 g-index
40 all docs	40 docs citations	40 times ranked	901 citing authors

#	Article	IF	Citations
1	3D printing boehmite gel foams into lightweight porous ceramics with hierarchical pore structure. Journal of the European Ceramic Society, 2020, 40, 930-934.	2.8	47
2	Direct coagulation casting of silicon carbide suspension via polyelectrolyte dispersant crosslink reaction. International Journal of Applied Ceramic Technology, 2020, 17, 274-284.	1.1	3
3	Ultrastrong Hierarchical Porous Materials via Colloidal Assembly and Oxidation of Metal Particles. Advanced Functional Materials, 2020, 30, 2003550.	7.8	31
4	In situ coagulation of yttriaâ€stabilized zirconia ceramic with enhancement of green body via polyvinyl pyrrolidone crosslink. Journal of Applied Polymer Science, 2020, 137, 48889.	1.3	2
5	A Novel Approach to Fabricate Foam Ceramics from Steel Slag. Advances in Materials Science and Engineering, 2020, 2020, 1-7.	1.0	2
6	Silica foams with ultraâ€large specific surface area structured by hollow mesoporous silica spheres. Journal of the American Ceramic Society, 2019, 102, 955-961.	1.9	25
7	Threeâ€dimensional (3D) flexible nanofibrous network knitting on hierarchical porous architecture. Journal of the American Ceramic Society, 2019, 102, 2977-2986.	1.9	17
8	Novel microâ€spherical Si₃N₄ nanowire sponges from carbonâ€doped silica sol foams via reverse templating method. Journal of the American Ceramic Society, 2019, 102, 962-969.	1.9	15
9	Effect of zeta potential on properties of foamed colloidal suspension. Journal of the European Ceramic Society, 2019, 39, 574-583.	2.8	56
10	Lowâ€cost, green synthesis and adsorption properties for dyes of novel porous gangue/palygorskite composite microspheres. International Journal of Applied Ceramic Technology, 2019, 16, 1510-1524.	1.1	5
11	Synthesis, Characterization and Adsorption Properties of Low-cost Porous Calcined Dolomite Microspheres for Removal of Dyes. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 507-515.	0.4	8
12	Si 3 N 4 Hollow Microsphere Toughened Porous Ceramics from Direct Coagulation Method via Dispersant Reaction. Advanced Engineering Materials, 2019, 21, 1800858.	1.6	6
13	Ultrahighâ€strength alumina ceramic foams via gelation of foamed boehmite sol. Journal of the American Ceramic Society, 2019, 102, 5503-5513.	1.9	29
14	Porous Si3N4-based ceramics with uniform pore structure originated from single-shell hollow microspheres. Journal of Materials Science, 2019, 54, 4484-4494.	1.7	13
15	Aerogelâ€like ceramic foams with superâ€high porosity and nanoscale cell wall from sol nanoparticles stabilized foams. Journal of the American Ceramic Society, 2019, 102, 3753-3762.	1.9	14
16	In situ synthesis of threeâ€dimensional nanofiberâ€knitted ceramic foams via reactive sintering silicon foams. Journal of the American Ceramic Society, 2019, 102, 2245-2250.	1.9	13
17	Ceramic particle-stabilized foams/emulsions with UV light response and further synthesis of ceramic capsules. Chemical Engineering Journal, 2019, 360, 1459-1467.	6.6	18
18	Ultralight and high-strength bulk alumina/zirconia composite ceramic foams through direct foaming method. Ceramics International, 2019, 45, 1464-1467.	2.3	39

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19	Optimal design on the high-temperature mechanical properties of porous alumina ceramics based on fractal dimension analysis. Journal of Advanced Ceramics, 2018, 7, 89-98.	8.9	38
20	Optimal design on the mechanical and thermal properties of porous alumina ceramics based on fractal dimension analysis. International Journal of Applied Ceramic Technology, 2018, 15, 643-652.	1.1	6
21	Synthesis of low-cost porous ceramic microspheres from waste gangue for dye adsorption. Journal of Advanced Ceramics, 2018, 7, 30-40.	8.9	42
22	Effect of K₂SO₄ additions on properties of porous fibrous alumina ceramics prepared by DCC and lostâ€mold method. Journal of the American Ceramic Society, 2018, 101, 2216-2227.	1.9	11
23	Mechanical strength of highly porous ceramic foams with thin and lamellate cell wall from particle-stabilized foams. Ceramics International, 2018, 44, 5780-5784.	2.3	34
24	Highly porous barium strontium titanate (<scp>BST</scp>) ceramic foams with low dielectric constant from particleâ€stabilized foams. Journal of the American Ceramic Society, 2018, 101, 1737-1746.	1.9	23
25	Novel mullite ceramic foams with high porosity and strength using only fly ash hollow spheres as raw material. Journal of the European Ceramic Society, 2018, 38, 2035-2042.	2.8	77
26	Design and formulation of polyurethane foam used for porous alumina ceramics. Journal of Polymer Research, 2018, 25, 1.	1.2	21
27	Preparation of silicon carbide ceramics using chemical treated powder by DCC via dispersant reaction and liquid phase sintering. Journal of the European Ceramic Society, 2017, 37, 891-897.	2.8	29
28	A novel fabrication method for glass foams with small pore size and controllable pore structure. Journal of the American Ceramic Society, 2017, 100, 5502-5511.	1.9	20
29	In-situ coagulation of yttria-stabilized zirconia suspension via dispersant hydrolysis using sodium tripolyphosphate. Journal of the European Ceramic Society, 2017, 37, 4868-4875.	2.8	16
30	Strength enhancement of ultralight aluminaâ€dried foams from particleâ€stabilized foams with assistance of agar and <scp>PVA</scp>. International Journal of Applied Ceramic Technology, 2017, 14, 928-937.	1.1	8
31	Preparation of ultra-light ceramic foams from waste glass and fly ash. Advances in Applied Ceramics, 2017, 116, 400-408.	0.6	23
32	A one-step method for pore expansion and enlargement of hollow cavity of hollow periodic mesoporous organosilica spheres. Journal of Materials Science, 2017, 52, 2868-2878.	1.7	15
33	Porous silica ceramics with uniform pores from the in-situ foaming process of silica poly-hollow microspheres in inert atmosphere. Materials Letters, 2016, 182, 143-146.	1.3	21
34	Ultralight alumina ceramic foams with single-grain wall using sodium dodecyl sulfate as long-chain surfactant. Journal of the European Ceramic Society, 2016, 36, 4163-4170.	2.8	39
35	Ultralight Silicon Nitride Ceramic Foams from Foams Stabilized by Partially Hydrophobic Particles. Journal of the American Ceramic Society, 2016, 99, 2920-2926.	1.9	24
36	High porosity glass foams from waste glass and compound blowing agent. Journal of Porous Materials, 2016, 23, 1451-1458.	1.3	12

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37	Highly Porous Zirconia Ceramic Foams with Low Thermal Conductivity from Particleâ€Stabilized Foams. Journal of the American Ceramic Society, 2016, 99, 3512-3515.	1.9	60
38	Preparation of ultralight glass foams via vacuum-assisted foaming. Materials Letters, 2016, 166, 35-38.	1.3	12
39	A one-step synthesis of hollow periodic mesoporous organosilica spheres with radially oriented mesochannels. Chemical Communications, 2016, 52, 3544-3547.	2.2	53
40	A novel gelcasting of alumina suspension using curdlan gelation. Ceramics International, 2015, 41, 10520-10525.	2.3	22