

Jinlong Yang

List of Publications by Year in descending order

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72
papers

2,025
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293460

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all docs

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docs citations

72
times ranked

2498
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous ceramics with near-zero shrinkage and low thermal conductivity from hazardous secondary aluminum dross. <i>Journal of the American Ceramic Society</i> , 2022, 105, 3197-3210.	1.9	18
2	Mullite ceramic foams with tunable pores from dual-phase sol nanoparticle-stabilized foams. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1703-1711.	2.8	16
3	Fabrication of high-performance graphene oxide/CuO/Cu ₂ O film-coated copper foam for interfacial solar-driven water evaporation. <i>Journal of Materials Science</i> , 2022, 57, 3322-3336.	1.7	9
4	Ni@CNTs/Al ₂ O ₃ Ceramic Composites with Interfacial Solder Strengthen the Segregated Network for High Toughness and Excellent Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4443-4455.	4.0	20
5	Facile Method for Preparing Hierarchical Al ₂ O ₃ "Glass Foam Ceramics with Superior Thermal Insulating Property. <i>Langmuir</i> , 2022, 38, 1141-1150.	1.6	3
6	Synthesis of ultra-fine rare-earth zirconate high-entropy ceramic fibers via electrospinning. <i>Journal of the American Ceramic Society</i> , 2022, 105, 4449-4456.	1.9	14
7	Directly growing nanowire-assembled nanofibrous ceramic foams with multi-lamellar structure via freeze-casting process. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1041-1047.	2.8	11
8	Effect of high temperature on the mechanical properties of hierarchical porous cenosphere/geopolymer composite foams. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 817-829.	1.1	12
9	Unexpected phenomenon in a conventional system: synthesis of raspberry-like hollow periodic mesoporous organosilica with controlled structure in one continuous step. <i>New Journal of Chemistry</i> , 2021, 45, 6651-6660.	1.4	2
10	An enhancement on supercapacitor properties of porous CoO nanowire arrays by microwave-assisted regulation of the precursor. <i>Nanotechnology</i> , 2021, 32, 195707.	1.3	6
11	Highly porous ceramics production using slags from smelting of spent automotive catalysts. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105373.	5.3	26
12	Migration, transformation and solidification/stabilization mechanisms of heavy metals in glass-ceramics made from MSWI fly ash and pickling sludge. <i>Ceramics International</i> , 2021, 47, 21599-21609.	2.3	25
13	Three-Dimensional Reticulated, Spongelike, Resilient Aerogels Assembled by SiC/Si ₃ N ₄ Nanowires. <i>Nano Letters</i> , 2021, 21, 4167-4175.	4.5	34
14	Reduction for heavy metals in pickling sludge with aluminum nitride in secondary aluminum dross by pyrometallurgy, followed by glass ceramics manufacture. <i>Journal of Hazardous Materials</i> , 2021, 418, 126331.	6.5	32
15	3D printing boehmite gel foams into lightweight porous ceramics with hierarchical pore structure. <i>Journal of the European Ceramic Society</i> , 2020, 40, 930-934.	2.8	47
16	Ultrastrong Hierarchical Porous Materials via Colloidal Assembly and Oxidation of Metal Particles. <i>Advanced Functional Materials</i> , 2020, 30, 2003550.	7.8	31
17	Novel design of microsphere adsorbent for efficient heavy metals adsorption. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2228-2239.	1.1	6
18	Preparation and characterization of glass ceramic foams based on municipal solid waste incineration ashes using secondary aluminum ash as foaming agent. <i>Construction and Building Materials</i> , 2020, 262, 120781.	3.2	58

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19	Hierarchically porous ceria with tunable pore structure from particle-stabilized foams. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4366-4372.	2.8	20
20	Mechanically robust ZrO ₂ foams with 3D reticular architecture prepared from chemical- ϵ -modified ZrO ₂ powder. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4548-4557.	1.9	3
21	Dependence of photocatalytic performance on interfacial reaction in carbon dots/mesoporous hydroxyapatite nanocomposites. <i>Micro and Nano Letters</i> , 2020, 15, 106-109.	0.6	1
22	Silica foams with ultra- ϵ -large specific surface area structured by hollow mesoporous silica spheres. <i>Journal of the American Ceramic Society</i> , 2019, 102, 955-961.	1.9	25
23	Three-dimensional (3D) flexible nanofibrous network knitting on hierarchical porous architecture. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2977-2986.	1.9	17
24	Novel micro- ϵ -spherical Si ₃ N ₄ nanowire sponges from carbon- ϵ -doped silica sol foams via reverse templating method. <i>Journal of the American Ceramic Society</i> , 2019, 102, 962-969.	1.9	15
25	Effect of zeta potential on properties of foamed colloidal suspension. <i>Journal of the European Ceramic Society</i> , 2019, 39, 574-583.	2.8	56
26	Hierarchical Ceramic Foams with 3D Interconnected Network Architecture for Superior High-Temperature Particulate Matter Capture. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40585-40591.	4.0	23
27	Nanofibrous Aerogel Bulk Assembled by Cross-Linked SiC/SiO _x Core-Shell Nanofibers with Multifunctionality and Temperature-Invariant Hyperelasticity. <i>ACS Nano</i> , 2019, 13, 11603-11612.	7.3	53
28	Low-cost, green synthesis and adsorption properties for dyes of novel porous gangue/palygorskite composite microspheres. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1510-1524.	1.1	5
29	A green and low-cost hollow gangue microsphere/geopolymer adsorbent for the effective removal of heavy metals from wastewaters. <i>Journal of Environmental Management</i> , 2019, 246, 174-183.	3.8	66
30	Synthesis, Characterization and Adsorption Properties of Low-cost Porous Calcined Dolomite Microspheres for Removal of Dyes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 507-515.	0.4	8
31	Hierarchical cellular scaffolds fabricated via direct foam writing using gelled colloidal particle- ϵ -stabilized foams as the ink. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6498-6506.	1.9	16
32	Novel design of alumina foams with three-dimensional reticular architecture for effective high-temperature particulate matter capture. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5576-5586.	1.9	17
33	Ultrathin NiCo-MOF Nanosheets for High-Performance Supercapacitor Electrodes. <i>ACS Applied Energy Materials</i> , 2019, 2, 2063-2071.	2.5	319
34	Porous Si ₃ N ₄ -based ceramics with uniform pore structure originated from single-shell hollow microspheres. <i>Journal of Materials Science</i> , 2019, 54, 4484-4494.	1.7	13
35	Aerogel-like ceramic foams with super-high porosity and nanoscale cell wall from sol nanoparticles stabilized foams. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3753-3762.	1.9	14
36	Adsorption removal of cationic dyes from aqueous solutions using ceramic adsorbents prepared from industrial waste coal gangue. <i>Journal of Environmental Management</i> , 2019, 234, 245-252.	3.8	85

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37	Preparation of Al ₂ O ₃ -Si ₃ N ₄ porous ceramics with a cactus-like architecture for potential filters applications. <i>Ceramics International</i> , 2019, 45, 6581-6584.	2.3	14
38	Ultralight and high-strength bulk alumina/zirconia composite ceramic foams through direct foaming method. <i>Ceramics International</i> , 2019, 45, 1464-1467.	2.3	39
39	Microwave-assisted synthesis of Fe-doped NiMnO ₃ as electrode material for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 63-72.	1.2	22
40	Rational Design of MXene/1Tâ€²H MoS ₂ Nanohybrids for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1707578.	7.8	309
41	Structural phase transition and electrical properties of Sr ²⁺ substituted porous <sc>PMN</sc>-<sc>PZT</sc> ceramics. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2197-2201.	1.9	3
42	Synthesis of low-cost porous ceramic microspheres from waste gangue for dye adsorption. <i>Journal of Advanced Ceramics</i> , 2018, 7, 30-40.	8.9	42
43	Highly porous barium strontium titanate (<sc>BST</sc>) ceramic foams with low dielectric constant from particle-stabilized foams. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1737-1746.	1.9	23
44	Synthesis of novel low-cost porous gangue microsphere/geopolymer composites and their adsorption properties for dyes. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 1602-1614.	1.1	29
45	TiO ₂ nanotube array with multi-layered walled structure and its vulnerability to water. <i>Functional Materials Letters</i> , 2017, 10, 1750019.	0.7	1
46	Double-walled ZrO ₂ Nanotube Array: Preparation and Enhanced Photocatalytic Activity. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700239.	0.8	4
47	A novel fabrication method for glass foams with small pore size and controllable pore structure. <i>Journal of the American Ceramic Society</i> , 2017, 100, 5502-5511.	1.9	20
48	Strength enhancement of ultralight alumina-dried foams from particle-stabilized foams with assistance of agar and <sc>PVA</sc>. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 928-937.	1.1	8
49	Highly reliable yttria-stabilized zirconia prepared by direct coagulation casting-high valence counter ions using calcium polyphosphate. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 866-872.	1.1	4
50	Preparation of ultra-light ceramic foams from waste glass and fly ash. <i>Advances in Applied Ceramics</i> , 2017, 116, 400-408.	0.6	23
51	Facile preparation of hollow-structured mesoporous silica spheres with large and ordered mesochannels. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 915-920.	1.1	7
52	Direct coagulation casting of alumina via controlled release of calcium from ammonium polyphosphate chelate complex. <i>Journal of Materials Research</i> , 2016, 31, 154-162.	1.2	4
53	A Novel Way to Prepare Hollow Sphere Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3341-3347.	1.9	40
54	Direct coagulation casting of alumina using magnesium citrate as coagulating agent with glycerol diacetate as pH regulator. <i>Journal of Materials Science</i> , 2014, 49, 5564-5570.	1.7	14

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55	A new Al ₂ O ₃ porous ceramic prepared by addition of hollow spheres. Journal of Porous Materials, 2014, 21, 601-609.	1.3	27
56	Direct Coagulation Casting of Alumina Suspension via Controlled Release of High Valence Counterions from Thermo-sensitive Liposomes. Journal of the American Ceramic Society, 2013, 96, 62-67.	1.9	13
57	Processing and Properties of Porous PZT Ceramics from Particle-stabilized Foams via Gel Casting. Journal of the American Ceramic Society, 2013, 96, 1827-1831.	1.9	30
58	APPLICATION ANALYSIS OF FAR INFRARED CERAMICS IN THE REHABILITATION OF SPORTS INJURY. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350028.	0.3	3
59	Synthesis and properties of polyacrylamide/hollow coal gangue spheres superabsorbent composites. Journal of Applied Polymer Science, 2013, 130, 2184-2187.	1.3	6
60	Properties of Alumina Coagulated Bodies Prepared by Direct Coagulation Casting via High Valence Counter Ions (DCC-HVCI). Journal of the American Ceramic Society, 2012, 95, 3415-3420.	1.9	17
61	Pore structure control of Si ₃ N ₄ ceramics based on particle-stabilized foams. Journal of Porous Materials, 2012, 19, 883-888.	1.3	18
62	Preparation of Si ₃ N ₄ Foam Ceramics with Nest-Like Cell Structure by Particle-stabilized Foams. Journal of the American Ceramic Society, 2012, 95, 1229-1233.	1.9	39
63	Direct Coagulation Casting of Positively Charged Alumina Suspension by Controlled Release of High Valence Counter Ions from Calcium Phosphate. Journal of the American Ceramic Society, 2012, 95, 2155-2160.	1.9	18
64	Direct Coagulation Casting of Alumina Suspension by High Valence Counter Ions Using Ca ₃ (IO ₃) ₂ as Coagulating Agent. Journal of the American Ceramic Society, 2012, 95, 2525-2530.	1.9	30
65	Liquid crystalline epoxy resin modified cyanate ester for high performance electronic packaging. Journal of Polymer Research, 2011, 18, 1441-1450.	1.2	33
66	The study of combustion synthesis of fine-particle β -lithium aluminate. Journal of Materials Science, 2003, 38, 3883-3888.	1.7	8
67	The effect of deionization on concentrated suspension of silicon nitride. Journal of Materials Science Letters, 2001, 20, 1537-1540.	0.5	2
68	Improving the breakdown strength of rutile capacitor by gelcasting. Journal of Materials Science Letters, 2001, 20, 1285-1288.	0.5	9
69	Surface oxidation to improve water-based gelcasting of silicon nitride. Journal of Materials Science, 2000, 35, 3519-3524.	1.7	38
70	Microstructure and strength modification of relaxor ferroelectric ceramics through microwave sintering for multilayer capacitors. Science in China Series D: Earth Sciences, 1999, 42, 337-341.	0.9	2
71	Zero-valence Fe boosts the activity of Fe-N-C electrocatalyst in oxygen reduction reaction. Ionics, 0, , 1.	1.2	0
72	Microstructural transition of poly(vinyl alcohol)-based aerogels in the presence of interpolymer complexes. New Journal of Chemistry, 0, , .	1.4	0