

Quanli Jia

List of Publications by Year in descending order

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61
papers

1,051
citations

361045

20
h-index

500791

28
g-index

61
all docs

61
docs citations

61
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel synthesis of ZrO ₂ -SiCw-C insert ring materials for slide plates. <i>Ceramics International</i> , 2022, 48, 694-701.	2.3	1
2	Effect of water-soluble magnesium lactate on the volume stability of refractory castables containing calcium aluminate cement. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 623-630.	1.1	5
3	Corrosion of Corundum-MgAl ₂ O ₄ Spinel-Based Castables in CaO-SiO ₂ -Fe ₂ O ₃ -Al ₂ O ₃ -Based Slag at 1650 °C. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2022, 53, 352-363.	1.0	6
4	Preparation of SiC coated graphite flake with much improved performance via a molten salt shielded method. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 1529-1539.	1.1	5
5	Preparation of Si ₃ N ₄ -BCxN-TiN composite ceramic aerogels via foam-gelcasting. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2699-2706.	2.8	7
6	Synthesis of photoluminescent polycrystalline SiC nanostructures via a modified molten salt shielded method. <i>Ceramics International</i> , 2022, 48, 12342-12349.	2.3	7
7	Three-dimensional graphitic carbon sphere foams as sorbents for cleaning oil spills. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 513-520.	2.4	3
8	TiN porous ceramics with excellent electrochemical properties prepared by freeze-drying and in-situ nitridation reaction. <i>Ceramics International</i> , 2022, 48, 19017-19025.	2.3	9
9	Preparation, microstructure and properties of Al ₂ O ₃ -ZrO ₂ -C slide plate material in presence of nanoscale oxides. <i>Ceramics International</i> , 2022, 48, 10126-10135.	2.3	10
10	In situ synthesized δ -Fe ₂ O ₃ /BCN heterojunction for promoting photocatalytic CO ₂ reduction performance. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 311-320.	5.0	15
11	Effect of modified coal tar pitch addition on the microstructure and properties of Al ₂ O ₃ -SiC-C castables for solid waste incinerators. <i>Ceramics International</i> , 2022, 48, 20778-20790.	2.3	9
12	Carbothermal reduction synthesis of high porosity and low thermal conductivity ZrC-SiC ceramics via an one-step sintering technique. <i>Journal of the European Ceramic Society</i> , 2022, 42, 4465-4471.	2.8	20
13	A robust air superhydrophilic/superoleophobic diatomite porous ceramic for high-performance continuous separation of oil-in-water emulsion. <i>Chemosphere</i> , 2022, 303, 134756.	4.2	15
14	Effect of impurities of Fe ₂ O ₃ and TiO ₂ in bauxite on oxidation kinetics of β -SiAlON powders. <i>Corrosion Science</i> , 2022, 203, 110374.	3.0	8
15	Low-temperature synthesis of high-entropy (Hf _{0.2} Ti _{0.2} Mo _{0.2} Ta _{0.2} Nb _{0.2})B ₂ powders combined with theoretical forecast of its elastic and thermal properties. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6370-6383.	1.9	7
16	Preparation and properties of porous ZrB ₂ ceramics via combining in-situ boro/carbothermal reduction and partial sintering approach. <i>Ceramics International</i> , 2022, 48, 27051-27063.	2.3	11
17	Role of nano-ZrO ₂ powder in in-situ formation of ceramic whiskers in Al ₂ O ₃ -C slide plate materials. <i>Ceramics International</i> , 2022, 48, 31579-31586.	2.3	5
18	Preparation and characterization of a novel fluorine-free and pH-sensitive hydrophobic porous diatomite ceramic as highly efficient sorbent for oil-water separation. <i>Separation and Purification Technology</i> , 2021, 254, 117620.	3.9	25

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19	Preparation and enhanced adsorption properties for CO ₂ and dyes of amino-decorated hierarchical porous BCN aerogels. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1110-1119.	1.9	23
20	Enhanced thermal stability of the lepidocrocite-type titanates by intercalation of large alkaline ions. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1501-1512.	1.9	7
21	Synthesis of monophasic two-dimensional Si_3N_4 nanoplatelets via an ionothermal route. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1183-1191.	1.1	1
22	Effects of V ₂ O ₅ addition on the synthesis of columnar self-reinforced mullite porous ceramics. <i>Ceramics International</i> , 2021, 47, 11240-11248.	2.3	15
23	Effect of firing atmosphere on the microstructure and properties of Al ₂ O ₃ -SiC castables. <i>Ceramics International</i> , 2021, 47, 14280-14289.	2.3	16
24	One-Pot Synthesis of Alumina-Titanium Diboride Composite Powder at Low Temperature. <i>Materials</i> , 2021, 14, 4742.	1.3	2
25	Properties and microstructure evolution of unfired Al-Si incorporated Al ₂ O ₃ -C slide plate materials with trace nano-Al ₂ O ₃ particles. <i>Ceramics International</i> , 2021, 47, 33641-33650.	2.3	15
26	Controllable preparation of porous ZrB ₂ -SiC ceramics via using KCl space holders. <i>Ceramics International</i> , 2021, 47, 33978-33987.	2.3	14
27	Thermal insulation TiN aerogels prepared by a combined freeze-casting and carbothermal reduction-nitridation technique. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5127-5137.	2.8	21
28	Synergistic Activation for Synthesis of Sulfur and Oxygen Co-Doped Porous Carbons and Their Application for Dye Adsorption and Supercapacitor. <i>ChemistrySelect</i> , 2021, 6, 7346-7353.	0.7	6
29	Graphene-boron nitride composite aerogel: A high efficiency adsorbent for ciprofloxacin removal from water. <i>Separation and Purification Technology</i> , 2021, 278, 119605.	3.9	26
30	Oxidation kinetics of bauxite-based SiAlON with different particle sizes. <i>Corrosion Science</i> , 2020, 166, 108446.	3.0	16
31	Low-Temperature Molten Salt Synthesis and the Characterisation of Submicron-Sized Al ₈ B ₄ C ₇ Powder. <i>Materials</i> , 2020, 13, 70.	1.3	5
32	Formation and growth of in-situ SiC nanowires in Al ₂ O ₃ -C materials under various atmospheres. <i>Ceramics International</i> , 2020, 46, 27750-27757.	2.3	20
33	Preparation of porous ceramics with waste zeolites as raw material. <i>Advances in Applied Ceramics</i> , 2020, 119, 448-455.	0.6	2
34	Preparation and Photocatalytic Performance for Degradation of Rhodamine B of AgPt/Bi ₄ Ti ₃ O ₁₂ Composites. <i>Nanomaterials</i> , 2020, 10, 2206.	1.9	12
35	Enhancement of the thermal shock resistance of MgO-C slide plate materials with the addition of nano-ZrO ₂ modified magnesia aggregates. <i>Journal of Alloys and Compounds</i> , 2020, 847, 156339.	2.8	37
36	Catalytic Preparation of Carbon Nanotubes from Waste Polyethylene Using FeNi Bimetallic Nanocatalyst. <i>Nanomaterials</i> , 2020, 10, 1517.	1.9	11

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37	Fabrication of porous MgAl ₂ O ₄ ceramics using V ₂ O ₅ as sintering additive. <i>Ceramics International</i> , 2020, 46, 22819-22825.	2.3	20
38	Freeze-drying preparation of porous diatomite ceramics with high porosity and low thermal conductivity. <i>Advances in Applied Ceramics</i> , 2020, 119, 195-203.	0.6	6
39	Low Temperature Synthesis of Phase Pure MoAlB Powder in Molten NaCl. <i>Materials</i> , 2020, 13, 785.	1.3	19
40	Synthesis of SiC whiskers via catalytic reaction method in self-bonded SiC composites. <i>Ceramics International</i> , 2020, 46, 12975-12985.	2.3	9
41	One-step synthesis of dandelion-like lanthanum titanate nanostructures for enhanced photocatalytic performance. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	33
42	Low-temperature preparation of high-performance porous ceramics composed of anorthite platelets. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5365-5373.	1.9	24
43	Low-temperature preparation of porous diatomite ceramics via direct-gelcasting using melamine and boric acid as cross-linker and sintering agent. <i>Ceramics International</i> , 2019, 45, 24469-24473.	2.3	14
44	Synthesis of MgO-MgAl ₂ O ₄ refractory aggregates for application in MgO-C slide plate. <i>Ceramics International</i> , 2019, 45, 24768-24776.	2.3	31
45	Preparation and thermal shock behavior of nanoscale MgAl ₂ O ₄ spinel-toughened MgO-based refractory aggregates. <i>Ceramics International</i> , 2019, 45, 12093-12100.	2.3	65
46	Synthesis of ultra-long aluminum nitride nanowires with excellent photoluminescent property by aluminum chloride assisted chemical vapor reaction technique. <i>Ceramics International</i> , 2019, 45, 12387-12392.	2.3	6
47	Synthesis and growth mechanism of aluminum nitride nanowires via a chloride-assisted chemical vapor reaction method. <i>Ceramics International</i> , 2019, 45, 4520-4525.	2.3	9
48	Synthesis of blue-green photoluminescent β -SiC nanowires via a simple catalyst-free CVD technique. <i>Materials Letters</i> , 2019, 234, 187-190.	1.3	18
49	Large scale synthesis and photoluminescent property of ultra-long AlN nanowires via a NH ₄ Cl assisted chemical vapor reaction method. <i>Ceramics International</i> , 2018, 44, 7267-7272.	2.3	12
50	Low-temperature preparation of Si ₃ N ₄ /SiC porous ceramics via foam-gelcasting and microwave-assisted catalytic nitridation. <i>Ceramics International</i> , 2018, 44, 11088-11093.	2.3	24
51	Photoluminescence properties of SiC/SiO ₂ heterojunctions obtained by TiO ₂ -assisted chemical vapor deposition. <i>Ceramics International</i> , 2018, 44, 11204-11210.	2.3	18
52	Synthesis of bamboo-like 3C-SiC nanowires with good luminescent property via nano-ZrO ₂ catalyzed chemical vapor deposition technique. <i>Ceramics International</i> , 2018, 44, 22890-22896.	2.3	23
53	Preparation of high strength porous mullite ceramics via combined foam-gelcasting and microwave heating. <i>Ceramics International</i> , 2018, 44, 14728-14733.	2.3	66
54	Tunable Synthesis of SiC/SiO ₂ Heterojunctions via Temperature Modulation. <i>Materials</i> , 2018, 11, 766.	1.3	8

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55	Large scale synthesis and photoluminescence properties of necklace-like SiC/SiO _x heterojunctions via a molten salt mediated vapor reaction technique. <i>Ceramics International</i> , 2017, 43, 2950-2955.	2.3	26
56	Novel synthesis of ultra-long single crystalline β -SiC nanofibers with strong blue/green luminescent properties. <i>Ceramics International</i> , 2016, 42, 4600-4606.	2.3	28
57	Preparation of SiC/SiO ₂ core-shell nanowires via molten salt mediated carbothermal reduction route. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 80, 19-24.	1.3	22
58	One-step molten-salt-mediated preparation and luminescent properties of ultra-long SiC/SiO ₂ core-shell nanowires. <i>Ceramics International</i> , 2016, 42, 2227-2233.	2.3	29
59	Microstructure and properties of hydratable alumina bonded bauxite-andalusite based castables. <i>Ceramics International</i> , 2016, 42, 310-316.	2.3	26
60	Molten salt assisted synthesis of β -SiC nanowire and its photoluminescence properties. <i>Ceramics International</i> , 2015, 41, 12614-12620.	2.3	43
61	Synthesis of KIT-6 type mesoporous silicas with tunable pore sizes, wall thickness and particle sizes via the partitioned cooperative self-assembly process. <i>Microporous and Mesoporous Materials</i> , 2014, 194, 167-173.	2.2	55