

Quanli Jia

List of Publications by Year in descending order

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61
papers

1,051
citations

361413
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all docs

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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.	4.8	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.	2.1	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.	2.1	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.	2.1	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.	5.7	7
6	Synthesis of photoluminescent polycrystalline SiC nanostructures via a modified molten salt shielded method. <i>Ceramics International</i> , 2022, 48, 12342-12349.	4.8	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.	4.9	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.	4.8	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.	4.8	10
10	In situ synthesized \pm -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.	9.4	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.	4.8	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.	5.7	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.	8.2	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.	6.6	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.	3.8	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.	4.8	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.	4.8	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.	7.9	25

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19	Preparation and enhanced adsorption properties for CO ₂ and dyes of amino-decorated hierarchical porous BCN aerogels. Journal of the American Ceramic Society, 2021, 104, 1110-1119.	3.8	23
20	Enhanced thermal stability of the lepidocrocite-type titanates by intercalation of large alkaline ions. Journal of the American Ceramic Society, 2021, 104, 1501-1512.	3.8	7
21	Synthesis of monophase two-dimensional Si_3N_4 nanoplatelets via an ionothermal route. International Journal of Applied Ceramic Technology, 2021, 18, 1183-1191.	2.1	1
22	Effects of V ₂ O ₅ addition on the synthesis of columnar self-reinforced mullite porous ceramics. Ceramics International, 2021, 47, 11240-11248.	4.8	15
23	Effect of firing atmosphere on the microstructure and properties of Al ₂ O ₃ -SiC castables. Ceramics International, 2021, 47, 14280-14289.	4.8	16
24	One-Pot Synthesis of Alumina-Titanium Diboride Composite Powder at Low Temperature. Materials, 2021, 14, 4742.	2.9	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. Ceramics International, 2021, 47, 33641-33650.	4.8	15
26	Controllable preparation of porous ZrB ₂ -SiC ceramics via using KCl space holders. Ceramics International, 2021, 47, 33978-33987.	4.8	14
27	Thermal insulation TiN aerogels prepared by a combined freeze-casting and carbothermal reduction-nitridation technique. Journal of the European Ceramic Society, 2021, 41, 5127-5137.	5.7	21
28	Synergistic Activation for Synthesis of Sulfur and Oxygen Co-Doped Porous Carbons and Their Application for Dye Adsorption and Supercapacitor. ChemistrySelect, 2021, 6, 7346-7353.	1.5	6
29	Graphene-boron nitride composite aerogel: A high efficiency adsorbent for ciprofloxacin removal from water. Separation and Purification Technology, 2021, 278, 119605.	7.9	26
30	Oxidation kinetics of bauxite-based $\text{Si}^2\text{-SiAlON}$ with different particle sizes. Corrosion Science, 2020, 166, 108446.	6.6	16
31	Low-Temperature Molten Salt Synthesis and the Characterisation of Submicron-Sized Al ₈ B ₄ C ₇ Powder. Materials, 2020, 13, 70.	2.9	5
32	Formation and growth of in-situ SiC nanowires in Al ₂ O ₃ -C materials under various atmospheres. Ceramics International, 2020, 46, 27750-27757.	4.8	20
33	Preparation of porous ceramics with waste zeolites as raw material. Advances in Applied Ceramics, 2020, 119, 448-455.	1.1	2
34	Preparation and Photocatalytic Performance for Degradation of Rhodamine B of AgPt/Bi ₄ Ti ₃ O ₁₂ Composites. Nanomaterials, 2020, 10, 2206.	4.1	12
35	Enhancement of the thermal shock resistance of MgO-C slide plate materials with the addition of nano-ZrO ₂ modified magnesia aggregates. Journal of Alloys and Compounds, 2020, 847, 156339.	5.5	37
36	Catalytic Preparation of Carbon Nanotubes from Waste Polyethylene Using FeNi Bimetallic Nanocatalyst. Nanomaterials, 2020, 10, 1517.	4.1	11

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37	Fabrication of porous MgAl ₂ O ₄ ceramics using V ₂ O ₅ as sintering additive. Ceramics International, 2020, 46, 22819-22825.	4.8	20
38	Freeze-drying preparation of porous diatomite ceramics with high porosity and low thermal conductivity. Advances in Applied Ceramics, 2020, 119, 195-203.	1.1	6
39	Low Temperature Synthesis of Phase Pure MoAlB Powder in Molten NaCl. Materials, 2020, 13, 785.	2.9	19
40	Synthesis of SiC whiskers via catalytic reaction method in self-bonded SiC composites. Ceramics International, 2020, 46, 12975-12985.	4.8	9
41	One-step synthesis of dandelion-like lanthanum titanate nanostructures for enhanced photocatalytic performance. NPC Asia Materials, 2020, 12, .	7.9	33
42	Low-temperature preparation of high-performance porous ceramics composed of anorthite platelets. Journal of the American Ceramic Society, 2020, 103, 5365-5373.	3.8	24
43	Low-temperature preparation of porous diatomite ceramics via direct-gelcasting using melamine and boric acid as cross-linker and sintering agent. Ceramics International, 2019, 45, 24469-24473.	4.8	14
44	Synthesis of MgO–MgAl ₂ O ₄ refractory aggregates for application in MgO–C slide plate. Ceramics International, 2019, 45, 24768-24776.	4.8	31
45	Preparation and thermal shock behavior of nanoscale MgAl ₂ O ₄ spinel-toughened MgO-based refractory aggregates. Ceramics International, 2019, 45, 12093-12100.	4.8	65
46	Synthesis of ultra-long aluminum nitride nanowires with excellent photoluminescent property by aluminum chloride assisted chemical vapor reaction technique. Ceramics International, 2019, 45, 12387-12392.	4.8	6
47	Synthesis and growth mechanism of aluminum nitride nanowires via a chloride-assisted chemical vapor reaction method. Ceramics International, 2019, 45, 4520-4525.	4.8	9
48	Synthesis of blue-green photoluminescent β -SiC nanowires via a simple catalyst-free CVD technique. Materials Letters, 2019, 234, 187-190.	2.6	18
49	Large scale synthesis and photoluminescent property of ultra-long AlN nanowires via a NH ₄ Cl assisted chemical vapor reaction method. Ceramics International, 2018, 44, 7267-7272.	4.8	12
50	Low-temperature preparation of Si ₃ N ₄ /SiC porous ceramics via foam-gelcasting and microwave-assisted catalytic nitridation. Ceramics International, 2018, 44, 11088-11093.	4.8	24
51	Photoluminescence properties of SiC/SiO ₂ heterojunctions obtained by TiO ₂ -assisted chemical vapor deposition. Ceramics International, 2018, 44, 11204-11210.	4.8	18
52	Synthesis of bamboo-like 3C-SiC nanowires with good luminescent property via nano-ZrO ₂ catalyzed chemical vapor deposition technique. Ceramics International, 2018, 44, 22890-22896.	4.8	23
53	Preparation of high strength porous mullite ceramics via combined foam-gelcasting and microwave heating. Ceramics International, 2018, 44, 14728-14733.	4.8	66
54	Tunable Synthesis of SiC/SiO ₂ Heterojunctions via Temperature Modulation. Materials, 2018, 11, 766.	2.9	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.	4.8	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.	4.8	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.	2.7	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.	4.8	29
59	Microstructure and properties of hydratable alumina bonded bauxite-andalusite based castables. <i>Ceramics International</i> , 2016, 42, 310-316.	4.8	26
60	Molten salt assisted synthesis of 3C-SiC nanowire and its photoluminescence properties. <i>Ceramics International</i> , 2015, 41, 12614-12620.	4.8	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.	4.4	55