

Qingjun Zhou

List of Publications by Year in descending order

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67
papers

1,858
citations

279798

23
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276875

41
g-index

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all docs

68
docs citations

68
times ranked

1508
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ -tolerant Sr ₂ CoTaO ₆ - δ double perovskite oxide as a novel cathode for intermediate-temperature solid oxide fuel cell. <i>Materials Research Bulletin</i> , 2022, 146, 111624.	5.2	7
2	A new class of upconversion luminescence tuning materials based on non-photochromic reaction: Er ³⁺ -activated Ba _{0.7} Sr _{0.3} Nb ₂ O ₆ ferroelectrics. <i>Acta Materialia</i> , 2021, 205, 116557.	7.9	22
3	High Pressure and High Temperature Induced Polymerization of C ₆₀ Solvates: The Effect of Intercalated Aromatic Solvents. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17155-17163.	3.1	3
4	Advanced high-temperature resistant (RT-1000 \AA °C) aluminum phosphate-based adhesive for titanium superalloys in extreme environments. <i>Ceramics International</i> , 2021, 47, 32988-33001.	4.8	12
5	Synthesis of Sm doped SnO ₂ nanoparticles and their ethanol gas traces detection. <i>Ceramics International</i> , 2021, 47, 26501-26510.	4.8	15
6	Up-conversion luminescence regulation and its boosting by polarization in Er ³⁺ /Yb ³⁺ doped SrBi ₈ Ti ₇ O ₂₇ photochromic ceramics for optical switching application. <i>Journal of Alloys and Compounds</i> , 2021, 883, 161024.	5.5	8
7	Study of synthesis and photocatalytic performance of the monoclinic/cubic heterophase junction of rare earth doped zirconia. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 159, 110286.	4.0	6
8	Shape-diversified silver nanostructures on Al foil fabricated in micellar template for high performance surface enhanced Raman scattering applications. <i>Optical Materials</i> , 2021, 121, 111629.	3.6	3
9	Pressure-induced structural transitions and metallization in hollow ZnMn ₂ O ₄ microspheres. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152881.	5.5	6
10	Well-aligned periodic germanium nanoisland arrays with large areas and improved field emission performance induced by femtosecond laser. <i>Applied Surface Science</i> , 2020, 508, 145308.	6.1	9
11	Assessment of Nd _{1.5} Pr _{0.5} Ni _{1-x} M _x O ₄ + δ (M = Cu, Co, Mo; x = 0, 0.05 and 0.1) as cathode materials for intermediate-temperature solid oxide fuel cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 949-958.	2.2	12
12	PrSr ₃ Fe ₃ O ₁₀ - δ as cobalt-free cathode for intermediate-temperature solid oxide fuel cell. <i>Materials Letters</i> , 2020, 279, 128489.	2.6	3
13	Electrochemical properties of La _{1.5} Pr _{0.5} Ni _{0.95-x} Cu _x Al _{0.05} O ₄ + δ Ruddlesden-Popper phase as cathodes for intermediate-temperature solid oxide fuel cells. <i>Materials Research Bulletin</i> , 2020, 131, 110986.	5.2	6
14	Chromium carbide micro-whiskers: Preparation and strengthening effects in extreme conditions with experiments and molecular dynamics simulations. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121598.	2.9	14
15	Chromium carbide micro-whiskers dataset: Morphologies with scanning and transmission electronic microscopy. <i>Data in Brief</i> , 2020, 32, 106222.	1.0	3
16	Effect of Al:P ratio on bonding performance of high-temperature resistant aluminum phosphate adhesive. <i>International Journal of Adhesion and Adhesives</i> , 2020, 100, 102627.	2.9	23
17	Comparative studies of BaBi _{0.05} Zr _{0.1} Co _{0.85-x} Nb _x O ₃ - δ (x = 0 and 0.05) as cathodes for intermediate-temperature solid oxide fuel cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11819-11824.	2.2	2
18	Preparation and electrochemical properties of an La-doped Pr ₂ Ni _{0.85} Cu _{0.1} Al _{0.05} O ₄ + δ cathode material for an IT-SOFC. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153967.	5.5	10

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19	GeSn/GeSiSn double-heterojunction short channel tunnel field-effect transistor design. Japanese Journal of Applied Physics, 2020, 59, 034001.	1.5	1
20	Bonding performance and mechanism of a heat-resistant composite precursor adhesive (RT-1000 $^{\circ}$ C) for TC4 titanium alloy. Journal of Micromechanics and Molecular Physics, 2020, 05, 2050016.	1.2	19
21	Reversible regulation of upconversion luminescence in new photochromic ferroelectric materials: Bi ₄ ^x Er _x Ti ₃ O ₁₂ ceramics. Inorganic Chemistry Frontiers, 2019, 6, 2756-2766.	6.0	34
22	Vibrational Properties and Polymerization of Corannulene under Pressure, Probed by Raman and Infrared Spectroscopies. Journal of Physical Chemistry C, 2019, 123, 23674-23681.	3.1	7
23	Preparation and electrochemical properties of La _{1.5} Pr _{0.5} NiO ₄ and La _{1.5} Pr _{0.5} Ni _{0.9} Cu _{0.1} O ₄ cathode materials for intermediate-temperature solid oxide fuel cells. Materials Research Bulletin, 2019, 113, 25-30.	5.2	34
24	A chiral open-framework fluorinated cobalt phosphate consists of distorted F-encapsulated double 4-ring units with bulk homochirality. Chemical Communications, 2019, 55, 226-228.	4.1	9
25	Optical multi-functionalities of Er ³⁺ - and Yb ³⁺ -sensitized strontium bismuth titanate nanoparticles. Journal of Alloys and Compounds, 2019, 801, 1-9.	5.5	16
26	High performance temperature sensing and optical heating of Tm ³⁺ - and Yb ³⁺ - codoped SrBi ₄ Ti ₄ O ₁₅ up-conversion luminescence nanoparticles. Ceramics International, 2019, 45, 18084-18090.	4.8	26
27	Electrode properties of (Pr _{0.9} La _{0.1}) ₂ ^x (Ni _{0.74} Cu _{0.21} Al _{0.05})O ₄ ⁺ (with x=0, 0.05, and 0.1) as cathodes in IT-SOFCs. Journal of Alloys and Compounds, 2019, 793, 519-525.	5.5	23
28	Mullite whiskers grown in situ reinforce a pre-ceramic resin adhesive for silicon carbide ceramics. Ceramics International, 2019, 45, 11131-11135.	4.8	16
29	Electrode properties of a spinel family, AFe ₂ O ₄ (A=Co, Ni, Cu), as new cathode for solid oxide fuel cells. Journal of Materials Science: Materials in Electronics, 2019, 30, 5573-5579.	2.2	21
30	Highly sensitive up-conversion thermometric performance in Nd ³⁺ and Yb ³⁺ sensitized Ba ₄ La ₂ Ti ₄ Nb ₆ O ₃₀ based on near-infrared emissions. Journal of Physics and Chemistry of Solids, 2019, 124, 130-136.	4.0	23
31	An engineering ceramic-used high-temperature-resistant inorganic phosphate-based adhesive self-reinforced by in-situ growth of mullite whiskers. Journal of the European Ceramic Society, 2019, 39, 1703-1706.	5.7	26
32	A novel heat-resistant resin-based adhesive for high-temperature alloy connection and repair. Journal of Alloys and Compounds, 2019, 774, 46-51.	5.5	6
33	Highly selective n-butanol gas sensor based on porous In ₂ O ₃ nanoparticles prepared by solvothermal treatment. Materials Science in Semiconductor Processing, 2018, 83, 139-143.	4.0	17
34	A heat-resistant glass-modified multi-component phosphate adhesive for repair and connection of superalloy in extreme environment. Journal of Alloys and Compounds, 2018, 745, 868-873.	5.5	11
35	Novel BaBi _{0.05} Co _{0.8} Ta _{0.15} O ₃ ⁺ cathode material for intermediate temperature solid oxide fuel cells. Materials Letters, 2017, 193, 105-107.	2.6	9
36	Cobalt-free quintuple perovskite Sm _{1.875} Ba _{3.125} Fe ₅ O ₁₅ ⁺ as a novel cathode for intermediate temperature solid oxide fuel cells. Ceramics International, 2016, 42, 10469-10471.	4.8	8

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37	Investigation of the lattice behavior of cubic $Y_{2-x}O_{3-x}/Eu_{3+}$ nanotubes under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2204-2208.	1.5	3
38	Phase stability and electrochemical performance of $Y_{0.5}Ca_{0.5-x}In_xBaCo_{3.2}Ga_{0.8}O_{7+\delta}$ ($x=0$ and 0.1) as cathodes for intermediate temperature solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2016, 680, 163-168.	5.5	8
39	Investigation of cobalt-free perovskite $Sr_2FeTi_{0.75}Mo_{0.25}O_{6+\delta}$ as new cathode for solid oxide fuel cells. <i>Materials Research Bulletin</i> , 2016, 74, 129-133.	5.2	16
40	Synthesis and characterization of $BaBi_{0.05}Co_{0.8}Nb_{0.15}O_{3+\delta}$ as a potential IT-SOFCs cathode material. <i>Journal of Alloys and Compounds</i> , 2015, 627, 320-323.	5.5	31
41	Synthesis of Zn_2SnO_4 via a co-precipitation method and its gas-sensing property toward ethanol. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 155-163.	7.8	62
42	Evaluation of double perovskite $Sr_2FeTiO_{6+\delta}$ as potential cathode or anode materials for intermediate-temperature solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 12393-12400.	4.8	33
43	$Ba_{0.9}Sr_{0.1}Co_{0.9}In_{0.1}O_{3+\delta}$ perovskite as cathode material for IT-SOFC. <i>Journal of Alloys and Compounds</i> , 2015, 641, 234-237.	5.5	24
44	Analysis of the upconversion photoluminescence spectra as a probe of local microstructure in $Y_{2-x}O_{3-x}/Eu_{3+}$ nanotubes under high pressure. <i>RSC Advances</i> , 2015, 5, 3130-3134.	3.6	10
45	Template-free hydrothermal synthesis of ZnO micro/nano-materials and their application in acetone sensing properties. <i>Superlattices and Microstructures</i> , 2015, 77, 1-11.	3.1	29
46	Novel cobalt-free cathode material $(Nd_{0.9}La_{0.1})_2(Ni_{0.74}Cu_{0.21}Al_{0.05})O_{4+\delta}$ for intermediate-temperature solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 639-643.	4.8	23
47	The pressure induced amorphization and behavior of octahedron in $Y_{2-x}O_{3-x}/Eu_{3+}$ nanotubes. <i>Materials Research Express</i> , 2014, 1, 025013.	1.6	5
48	Preparation and characterization of cellulose nanofibers from partly mercerized cotton by mixed acid hydrolysis. <i>Cellulose</i> , 2014, 21, 301-309.	4.9	52
49	Preparation, characterization, and electrochemical properties of $YBaCo_{3.4}Al_{0.3}Ga_{0.3}O_{7+\delta}$ and $YBaCo_{3.2}Al_{0.4}Ga_{0.4}O_{7+\delta}$ cathodes for IT-SOFCs. <i>Ceramics International</i> , 2014, 40, 13481-13485.	4.8	7
50	Novel $YBaCo_{3.2}Ga_{0.8}O_{7+\delta}$ as a cathode material and performance optimization for IT-SOFCs. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10710-10717.	7.1	11
51	Investigation of antibacterial properties of nano-ZnO assembled cotton fibers. <i>Fibers and Polymers</i> , 2013, 14, 990-995.	2.1	11
52	$LaSrMnCoO_{5+\delta}$ as cathode for intermediate-temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2012, 19, 36-38.	4.7	20
53	$La_{0.6}Sr_{0.4}Fe_{0.8}Cu_{0.2}O_{3+\delta}$ perovskite oxide as cathode for IT-SOFC. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11963-11968.	7.1	93
54	Ultrasound-assisted synthesis of CuO nanostructures templated by cotton fibers. <i>Materials Research Bulletin</i> , 2012, 47, 3135-3140.	5.2	17

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55	Evaluation and optimization of SrCo _{0.9} Ta _{0.1} O ₃ perovskite as cathode for solid oxide fuel cells. <i>Current Applied Physics</i> , 2012, 12, 1092-1095.	2.4	27
56	LaBaCuFeO ₅ + λ Ce _{0.8} Sm _{0.2} O _{1.9} as composite cathode for solid oxide fuel cells. <i>Ceramics International</i> , 2012, 38, 1529-1532.	4.8	20
57	Evaluation of GdBaCuCo _{0.5} Fe _{0.5} O ₅₊ as cathode material for intermediate temperature solid oxide fuel cells. <i>Ceramics International</i> , 2012, 38, 2899-2903.	4.8	17
58	Electrochemical characterization of LaBaCuCoO ₅ + λ Sm _{0.2} Ce _{0.8} O _{1.9} composite cathode for intermediate-temperature solid oxide fuel cells. <i>Materials Research Bulletin</i> , 2012, 47, 101-105.	5.2	8
59	La _{0.7} Ca _{0.3} CrO ₃ + λ Ce _{0.8} Gd _{0.2} O _{1.9} composites as symmetrical electrodes for solid-oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 76-83.	7.8	52
60	Performances of LnBaCo ₂ O ₅ + λ Ce _{0.8} Sm _{0.2} O _{1.9} composite cathodes for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 2174-2181.	7.8	143
61	Novel SrCo _{1-y} Nb _y O ₃ cathodes for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 3772-3778.	7.8	134
62	Double-perovskites A ₂ FeMoO ₆ (A= Ca, Sr, Ba) as anodes for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 6356-6366.	7.8	166
63	Combustion synthesis and properties of highly phase-pure perovskite electrolyte Co-doped La _{0.9} Sr _{0.1} Ga _{0.8} Mg _{0.2} O _{2.85} for IT-SOFCs. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 294-300.	7.1	32
64	Cobalt-free cathode material SrFe _{0.9} Nb _{0.1} O ₃ for intermediate-temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2010, 12, 285-287.	4.7	67
65	Layered Perovskite GdBaCuCoO ₅ Cathode Material for Intermediate-Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2010, 157, B628.	2.9	39
66	Electrochemical performances of LaBaCuFeO _{5+x} and LaBaCuCoO _{5+x} as potential cathode materials for intermediate-temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2009, 11, 80-83.	4.7	72
67	SmBaCo ₂ O _{5+x} double-perovskite structure cathode material for intermediate-temperature solid-oxide fuel cells. <i>Journal of Power Sources</i> , 2008, 185, 754-758.	7.8	155