

Gang Yu

List of Publications by Year in descending order

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45
papers

703
citations

623734

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580821

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45
all docs

45
docs citations

45
times ranked

885
citing authors

#	ARTICLE	IF	CITATIONS
1	As(V) and As(III) removal from water by a Ce-Ti oxide adsorbent: Behavior and mechanism. <i>Chemical Engineering Journal</i> , 2010, 161, 106-113.	12.7	258
2	Metallic tin substitution of organic lead perovskite films for efficient solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20224-20232.	10.3	24
3	Fabrication of zirconia mesoporous fibers by using polyorganozirconium compound as precursor. <i>Microporous and Mesoporous Materials</i> , 2009, 119, 230-236.	4.4	23
4	Fabrication of silica-supported ZrO ₂ mesoporous fibers with high thermal stability by sol-gel method through a controlled hydrolysis-condensation process. <i>Microporous and Mesoporous Materials</i> , 2010, 130, 189-196.	4.4	23
5	Third-order nonlinear optical properties in [(C ₄ H ₉) ₄ N] ₂ [Cu(C ₃ S ₅) ₂]-doped PMMA thin film using Z-scan technique in picosecond pulse. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 279-284.	2.3	21
6	Investigation of the nonlinear absorption and optical limiting properties of two [Q] ₂ [Cu(C ₃ S ₅) ₂] compounds. <i>Optics and Laser Technology</i> , 2010, 42, 732-736.	4.6	20
7	Effect of Ce ³⁺ doping and calcination on the photoluminescence of ZrO ₂ (3% Y ₂ O ₃) fibers. <i>Materials Research Bulletin</i> , 2008, 43, 1032-1037.	5.2	19
8	Preparation and characterization of TiO ₂ fiber with a facile polyorganotitanium precursor method. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 438-442.	9.4	19
9	Preparation, morphology and specific surface area of CeO ₂ -ZrO ₂ and CeO ₂ -ZrO ₂ -Al ₂ O ₃ fine fibers via precursor sol-gel technique. <i>Journal of Alloys and Compounds</i> , 2010, 492, 456-460.	5.5	17
10	Abnormal β -phase stability in TiZrAl alloys. <i>Journal of Alloys and Compounds</i> , 2017, 699, 256-261.	5.5	17
11	Thermal behavior of polyacetylacetonatozirconium (PAZ). <i>Thermochimica Acta</i> , 2008, 473, 81-85.	2.7	16
12	Steam-treated CeO ₂ -ZrO ₂ /activated carbon fibers for the efficient removal of Pb(II) from aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 566, 29-37.	4.7	16
13	Loofa sponage derived multi-tubular CuO/CeO ₂ -ZrO ₂ with hierarchical porous structure for effective soot catalytic oxidation. <i>Fuel</i> , 2019, 258, 116202.	6.4	15
14	Morphologies and magnetic properties of La-doped CeO ₂ nanoparticles by the solvothermal method in a low magnetic field. <i>Materials Chemistry and Physics</i> , 2020, 240, 122148.	4.0	15
15	Highly flexible and active potassium-supported sepiolite paper catalysts for soot oxidation. <i>Catalysis Science and Technology</i> , 2020, 10, 1875-1880.	4.1	15
16	Microstructure and properties of SiO ₂ -based ceramic cores with ball-shaped powders by the preceramic polymer technique in N ₂ atmosphere. <i>Materials Chemistry and Physics</i> , 2020, 243, 122609.	4.0	14
17	Ab initio investigation on a promising transparent conductive oxide, Nb:SnO ₂ . <i>Thin Solid Films</i> , 2012, 520, 5965-5970.	1.8	13
18	Crystallization process and microstructure of sol-gel derived Pb _{0.9} La _{0.1} Ti _{0.875} O ₃ fine fibers with a novel heat-treatment process. <i>Solid State Sciences</i> , 2008, 10, 859-863.	3.2	12

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19	Paper-Structured Catalyst Based on CeO ₂ -ZrO ₂ Fibers for Soot Combustion. <i>Catalysis Letters</i> , 2019, 149, 3543-3555.	2.6	12
20	Preparation and characterization of zirconium titanate fibers with good high temperature performance. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 49, 341-346.	2.4	11
21	Synthesis of novel single-phase high-entropy metal carbonitride ceramic powders. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 94, 105390.	3.8	11
22	Preparation and characterization of the continuous titanium-doped ZrO ₂ mesoporous fibers with large surface area. <i>Journal of Porous Materials</i> , 2014, 21, 105-112.	2.6	10
23	Exploring abundantly synergic effects of K-Cu supported paper catalysts using TiO ₂ -ZrO ₂ mesoporous fibers as matrix towards soot efficient oxidation. <i>Chemical Engineering Journal</i> , 2021, 417, 128111.	12.7	10
24	Microstructure and bending strength improvement of alumina-based ceramic cores by liquid silicone resin infiltration. <i>Materials Chemistry and Physics</i> , 2020, 239, 122041.	4.0	9
25	Structure and superconductivity of (Li _{1-x} Fe _x)OHFeSe single crystals grown using A ₂ Fe ₂ Se ₂ (A=K, Tl, ETQ)		
26	Structural evolution and mechanical properties of Ti-41Zr-7.3Al alloy during continuous cooling process. <i>Journal of Alloys and Compounds</i> , 2017, 725, 750-756.	5.5	8
27	Electronic band Gap of ZnO under triaxial strain. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 48-51.	1.0	7
28	Effect of Co substitution and magnetic field on the morphologies and magnetic properties of CeO ₂ nanoparticles. <i>Ceramics International</i> , 2019, 45, 11927-11933.	4.8	7
29	Electrospinning SnO ₂ fibers with 3D interconnected structure for efficient soot catalytic combustion. <i>Journal of Materials Science</i> , 2020, 55, 16083-16095.	3.7	7
30	Novel stable enhanced visible light photocatalytic system based on a Ag ₃ PO ₄ @polypyrrole core-shell Z-scheme with in-situ generated metallic Ag ohmic contacts. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 146, 109572.	4.0	7
31	Synthesis of high-entropy boride powders via boro/carbothermal reduction method. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 1275-1281.	2.3	7
32	Enhanced Oxygen Vacancies in Ce-Doped SnO ₂ Nanofibers for Highly Efficient Soot Catalytic Combustion. <i>Catalysts</i> , 2022, 12, 596.	3.5	6
33	Preparation, phase transformation and microstructure of Zr _x Ti _{1-x} O ₂ (x=0.1~0.9) fine fibers. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 68-71.	3.1	5
34	Magnetic field-assisted solvothermal synthesis and the magnetic properties of Fe-doped CeO ₂ nanoparticles. <i>Journal of Asian Ceramic Societies</i> , 2020, 8, 615-623.	2.3	5
35	Effects of internal relaxation under inplane strain on the structural, electronic and optical properties of perovskite BaZrO ₃ . <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 397-402.	1.0	4
36	Investigation of the properties and leaching characteristics of ceramic cores fabricated using BaZrO ₃ as the raw material. <i>Materials Chemistry and Physics</i> , 2021, 272, 124925.	4.0	4

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37	Preferred Orientation of Porous Si ₃ N ₄ Ceramics by Gel-Casting in a Longitudinal Rotating Magnetic Field. <i>Crystal Research and Technology</i> , 2018, 53, 1700147.	1.3	3
38	2,6-Diaminopyridinium dihydrogen phosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2751-o2751.	0.2	2
39	Anisotropic Behaviors in ($\text{Li}_{1-x}\text{Fe}_x$) OHFeSe Superconducting Single Crystals. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-5.	1.7	1
40	ZnS nanoparticles-based tunable dielectric metamaterials. <i>Modern Physics Letters B</i> , 2019, 33, 1950142.	1.9	1
41	Effect of sintering aids on microstructure and properties of textured SiC ceramics prepared in 6 T. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 85-95.	2.3	1
42	Mechanism of Synthesizing Al ₂ O ₃ /Fe-Al Composites with Nano Al ₂ O ₃ Fibers by <i>In Situ</i> Process. <i>Key Engineering Materials</i> , 0, 562-565, 837-841.	0.4	0
43	Microwave memristive behavior in split-ring resonator metamaterials. <i>Laser Physics</i> , 2016, 26, 076002.	1.2	0
44	Unipolar photonic memristive-like nonlinear switching in split-ring resonator based metamaterials. <i>Current Applied Physics</i> , 2018, 18, 447-451.	2.4	0
45	Tunable biaxial hyperbolic dispersion and negative refraction in graphite. <i>Modern Physics Letters B</i> , 2020, 34, 2050110.	1.9	0