Gang Yu

List of Publications by Year
in descending order

45 papers	703 citations	623734 14 h-index	580821 25 g-index
45 all docs	45 docs citations	45 times ranked	885 citing authors

#	Article	IF	Citations
1	Enhanced Oxygen Vacancies in Ce-Doped SnO2 Nanofibers for Highly Efficient Soot Catalytic Combustion. Catalysts, 2022, 12, 596.	3.5	6
2	Synthesis of novel single-phase high-entropy metal carbonitride ceramic powders. International Journal of Refractory Metals and Hard Materials, 2021, 94, 105390.	3.8	11
3	Exploring abundantly synergic effects of K-Cu supported paper catalysts using TiO2-ZrO2 mesoporous fibers as matrix towards soot efficient oxidation. Chemical Engineering Journal, 2021, 417, 128111.	12.7	10
4	Effect of sintering aids on microstructure and properties of textured SiC ceramics prepared in 6 T. Journal of Asian Ceramic Societies, 2021, 9, 85-95.	2.3	1
5	Synthesis of high-entropy boride powders via boro/carbothermal reduction method. Journal of Asian Ceramic Societies, 2021, 9, 1275-1281.	2.3	7
6	Investigation of the properties and leaching characteristics of ceramic cores fabricated using BaZrO3 as the raw material. Materials Chemistry and Physics, 2021, 272, 124925.	4.0	4
7	Morphologies and magnetic properties of La-doped CeO2 nanoparticles by the solvothermal method in a low magnetic field. Materials Chemistry and Physics, 2020, 240, 122148.	4.0	15
8	Microstructure and bending strength improvement of alumina-based ceramic cores by liquid silicone resin infiltration. Materials Chemistry and Physics, 2020, 239, 122041.	4.0	9
9	Microstructure and properties of SiO2-based ceramic cores with ball-shaped powders by the preceramic polymer technique in N2 atmosphere. Materials Chemistry and Physics, 2020, 243, 122609.	4.0	14
10	Electrospinning SnO2 fibers with 3D interconnected structure for efficient soot catalytic combustion. Journal of Materials Science, 2020, 55, 16083-16095.	3.7	7
11	Magnetic field-assisted solvothermal synthesis and the magnetic properties of Fe-doped CeO2 nanoparticles. Journal of Asian Ceramic Societies, 2020, 8, 615-623.	2.3	5
12	Novel stable enhanced visible light photocatalytic system based on a Ag3PO4@polypyrrole core-shell Z-scheme with in-situ generated metallic Ag ohmic contacts. Journal of Physics and Chemistry of Solids, 2020, 146, 109572.	4.0	7
13	Tunable biaxial hyperbolic dispersion and negative refraction in graphite. Modern Physics Letters B, 2020, 34, 2050110.	1.9	0
14	Highly flexible and active potassium-supported sepiolite paper catalysts for soot oxidation. Catalysis Science and Technology, 2020, 10, 1875-1880.	4.1	15
15	Paper-Structured Catalyst Based on CeO2â€“ZrO2 Fibers for Soot Combustion. Catalysis Letters, 2019, 149, 3543-3555.	2.6	12
16	Loofa sponage derived multi-tubular CuO/CeO2-ZrO2 with hierarchical porous structure for effective soot catalytic oxidation. Fuel, 2019, 258, 116202.	6.4	15
17	Effect of Co substitution and magnetic field on the morphologies and magnetic properties of CeO2 nanoparticles. Ceramics International, 2019, 45, 11927-11933.	4.8	7
18	ZnS nanoparticles-based tunable dielectric metamaterials. Modern Physics Letters B, 2019, 33, 1950142.	1.9	1

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19	Steam-treated CeO2-ZrO2/activated carbon fibers for the efficient removal of Pb(II) from aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 566, 29-37.	4.7	16
20	Unipolar photonic memristive-like nonlinear switching in split-ring resonator based metamaterials. Current Applied Physics, 2018, 18, 447-451.	2.4	0
21	Preferred Orientation of Porous Si₃N₄ Ceramics by Gelâ€Casting in a Longitudinal Rotating Magnetic Field. Crystal Research and Technology, 2018, 53, 1700147.	1.3	3
22	Metallic tin substitution of organic lead perovskite films for efficient solar cells. Journal of Materials Chemistry A, 2018, 6, 20224-20232.	10.3	24
23	Anisotropic Behaviors in (${ext{Li}}_{1-x} {ext{Fe}}_{x}$) OHFeSe Superconducting Single Crystals. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	1
24	Effects of internal relaxation under inplane strain on the structural, electronic and optical properties of perovskite BaZrO3. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 397-402.	1.0	4
25	Abnormal Î²-phase stability in TiZrAl alloys. Journal of Alloys and Compounds, 2017, 699, 256-261.	5.5	17
26	Structural evolution and mechanical properties of Ti-41Zr-7.3Al alloy during continuous cooling process. Journal of Alloys and Compounds, 2017, 725, 750-756.	5.5	8
27	Microwave memristive behavior in split-ring resonator metamaterials. Laser Physics, 2016, 26, 076002.	1.2	0
28	Structure and superconductivity of (Li_{1â^'x}Fe_x)OHFeSe single crystals grown usingA_xFe_{2â^'y}Se₂(Aâ€‰â€‰â€‰â€‰K,) Tj ETQ	1.8	8
29	Preparation and characterization of the continuous titanium-doped ZrO2 mesoporous fibers with large surface area. Journal of Porous Materials, 2014, 21, 105-112.	2.6	10
30	Electronic band Gap of ZnO under triaxial strain. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 48-51.	1.0	7
31	2,6-Diaminopyridinium dihydrogen phosphate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2751-o2751.	0.2	2
32	Ab initio investigation on a promising transparent conductive oxide, Nb:SnO2. Thin Solid Films, 2012, 520, 5965-5970.	1.8	13
33	Third-order nonlinear optical properties inÂ[(C4H9)4N]2[Cu(C3S5)2]-doped PMMA thin film using Z-scan technique in picosecond pulse. Applied Physics A: Materials Science and Processing, 2010, 99, 279-284.	2.3	21
34	Fabrication of silica-supported ZrO2 mesoporous fibers with high thermal stability by solâ€“gel method through a controlled hydrolysisâ€“condensation process. Microporous and Mesoporous Materials, 2010, 130, 189-196.	4.4	23
35	Investigation of the nonlinear absorption and optical limiting properties of two [Q]2[Cu(C3S5)2] compounds. Optics and Laser Technology, 2010, 42, 732-736.	4.6	20
36	As(V) and As(III) removal from water by a Ceâ€“Ti oxide adsorbent: Behavior and mechanism. Chemical Engineering Journal, 2010, 161, 106-113.	12.7	258

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37	Preparation, morphology and specific surface area of CeO2-ZrO2 and CeO2-ZrO2-Al2O3 fine fibers via precursor solâ€“gel technique. Journal of Alloys and Compounds, 2010, 492, 456-460.	5.5	17
38	Preparation and characterization of zirconium titanate fibers with good high temperature performance. Journal of Sol-Gel Science and Technology, 2009, 49, 341-346.	2.4	11
39	Fabrication of zirconia mesoporous fibers by using polyorganozirconium compound as precursor. Microporous and Mesoporous Materials, 2009, 119, 230-236.	4.4	23
40	Preparation and characterization of TiO2 fiber with a facile polyorganotitanium precursor method. Journal of Colloid and Interface Science, 2009, 336, 438-442.	9.4	19
41	Preparation, phase transformation and microstructure of ZrxTi1â^'xO2 (x=0.1â€“0.9) fine fibers. Journal of Non-Crystalline Solids, 2009, 355, 68-71.	3.1	5
42	Thermal behavior of polyacetylacetonatozirconium (PAZ). Thermochimica Acta, 2008, 473, 81-85.	2.7	16
43	Effect of Ce3+ doping and calcination on the photoluminescence of ZrO2 (3% Y2O3) fibers. Materials Research Bulletin, 2008, 43, 1032-1037.	5.2	19
44	Crystallization process and microstructure of solâ€“gel derived Pb0.9La0.1Ti0.875O3 fine fibers with a novel heat-treatment process. Solid State Sciences, 2008, 10, 859-863.	3.2	12
45	Mechanism of Synthesizing Al₂O₃/Fe-Al Composites with Nano Al₂O₃ Fibers by <i>In Situ</i> Process. Key Engineering Materials, 0, 562-565, 837-841.	0.4	0