

Xiao-Nong Cheng

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59
papers

771
citations

15
h-index

25
g-index

59
ext. papers

933
ext. citations

3.9
avg, IF

3.99
L-index

#	Paper	IF	Citations
59	One-pot synthesis of B-doped three-dimensional reduced graphene oxide via supercritical fluid for oxygen reduction reaction. <i>Green Chemistry</i> , 2015 , 17, 3552-3560	10	92
58	Highly Active, Superstable, and Biocompatible Ag/Polydopamine/g-C ₃ N ₄ Bactericidal Photocatalyst: Synthesis, Characterization, and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14082-14094	8.3	53
57	Ultrasonic-assisted synthesis of carbon nanotube supported bimetallic PtRu nanoparticles for effective methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8459-8465	13	48
56	Graphene/silver nanohybrids for ultrasensitive surface enhanced Raman spectroscopy: size dependence of silver nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6850	7.1	45
55	Transparent and conductive reduced graphene oxide/silver nanoparticles multilayer film obtained by electrical self-assembly process with graphene oxide sheets and silver colloid. <i>RSC Advances</i> , 2013 , 3, 3391	3.7	43
54	Newly Designed Graphene Cellular Monolith Functionalized with Hollow Pt-M (M = Ni, Co) Nanoparticles as the Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25863-25874	9.5	38
53	Scalable colloidal synthesis of uniform Bi ₂ S ₃ nanorods as sensitive materials for visible-light photodetectors. <i>CrystEngComm</i> , 2017 , 19, 727-733	3.3	30
52	In Situ Synthesis of ZrO ₂ /ZrW ₂ O ₈ Composites With Near-Zero Thermal Expansion. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1953-1955	3.8	30
51	Making ultrafine and highly-dispersive multimetallic nanoparticles in three-dimensional graphene with supercritical fluid as excellent electrocatalyst for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18628-18638	13	24
50	Cobalt Sulfide/Reduced Graphene Oxide Nanocomposite with Enhanced Performance for Supercapacitors. <i>Journal of Electronic Materials</i> , 2019 , 48, 1531-1539	1.9	23
49	Influence of W doped ZrV ₂ O ₇ on structure, negative thermal expansion property and photocatalytic performance. <i>Applied Surface Science</i> , 2014 , 313, 41-47	6.7	21
48	Porous graphene doped with Fe/N/S and incorporating Fe ₃ O ₄ nanoparticles for efficient oxygen reduction. <i>Catalysis Science and Technology</i> , 2018 , 8, 5325-5333	5.5	19
47	Comparative characteristics of yttrium oxide and yttrium nitric acid doping in ZnO varistor ceramics. <i>Journal of Central South University</i> , 2012 , 19, 2094-2100	2.1	18
46	Porous SiOC composites fabricated from preceramic polymers and wood powders for efficient dye adsorption and removal. <i>Research on Chemical Intermediates</i> , 2017 , 43, 3813-3832	2.8	16
45	Controlled visible photoluminescence of ZnO thin films prepared by RF magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 96, 783-787	2.6	16
44	A facile one-step hydrothermal synthesis of carbon/MoS ₂ yolk-shell hierarchical microspheres with excellent electrochemical cycling stability. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 509-518	2.6	15
43	Band Engineering and Morphology Control of Oxygen-Incorporated Graphitic Carbon Nitride Porous Nanosheets for Highly Efficient Photocatalytic Hydrogen Evolution. <i>Nano-Micro Letters</i> , 2021 , 13, 48	19.5	14

42	Fast and green synthesis of flexible free-standing silver nanoparticles-graphene substrates and their surface-enhanced Raman scattering activity. <i>RSC Advances</i> , 2013 , 3, 23236	3.7	12
41	Construction of novel ternary dual Z-scheme Ag ₃ VO ₄ /C ₃ N ₄ /reduced TiO ₂ composite with excellent visible-light photodegradation activity. <i>Journal of Materials Research</i> , 2019 , 34, 2024-2036	2.5	11
40	Hydrothermal synthesis of hierarchical nanocomposite assembled by Bi ₂ S ₃ nanorods and MoS ₂ nanosheets with improved electrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6633-6642	2.1	10
39	Mn ₃ O ₄ nanoparticles on activated carbonitride by soft chemical method for symmetric coin cell supercapacitors. <i>International Journal of Energy Research</i> , 2019 , 43, 8481	4.5	10
38	Preparation and characterization of ZrW ₆ MoO ₈ powders with different morphologies using hydrothermal method. <i>Journal of Materials Science</i> , 2007 , 42, 2528-2531	4.3	10
37	High Temperature Deformation Characteristics of an Alumina-Forming Stainless Steel. <i>Steel Research International</i> , 2019 , 90, 1900022	1.6	9
36	In-situ synthesis of Sc ₂ W ₃ O ₁₂ /YSZ ceramic composites with controllable thermal expansion. <i>Ceramics International</i> , 2015 , 41, 8267-8271	5.1	9
35	Synthesis of flexible free-standing silver nanoparticles-graphene films and their surface-enhanced Raman scattering activity. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	9
34	Synthesis and tunable thermal expansion properties of Sc ₂ Y _x W ₃ O ₁₂ solid solutions. <i>Ceramics International</i> , 2014 , 40, 8195-8199	5.1	9
33	Thermal and electric conductivity of near-zero thermal expansion ZrW ₂ O ₈ /ZrO ₂ composites. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 471-474	1	9
32	Morphology control and negative thermal expansion in cubic ZrW ₆ MoO ₈ powders. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2477-2482	1.3	9
31	Sb ₂ WO ₆ nanoparticles coated TiO ₂ nanobelts exhibiting remarkable photo-catalyst response. <i>Materials Technology</i> , 2018 , 33, 479-487	2.1	9
30	One-dimensional MoO ₃ coated by carbon for supercapacitor with enhanced electrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6643-6649	2.1	8
29	Electrochemical Performance of an Asymmetric Coin Cell Supercapacitor Based on Marshmallow-like MnO ₂ /Carbon Cloth in Neutral and Alkaline Electrolytes. <i>Energy & Fuels</i> , 2021 , 35, 2766-2774	4.1	8
28	WS ₂ nanosheets decorated by Ag nanoparticles with different content and uniform distribution for enhanced electrochemical properties. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	7
27	Synthesis and characterization of sol-gel derived ZrV ₂ O ₇ fibers with negative thermal expansion property. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 502-510	2.3	7
26	Dynamic recrystallization behavior of Fe _{0.0} Cr _{0.3} Ni _{0.6} Nb _{0.1} AlMo alloy. <i>Rare Metals</i> , 2019 , 38, 181-188	5.5	7
25	A free-standing electrode based on 2D SnS ₂ nanoplates@3D carbon foam for high performance supercapacitors. <i>International Journal of Energy Research</i> , 2020 , 44, 8542-8554	4.5	6

24	Liquid Exfoliation and Electrochemical Properties of WS ₂ Nanosheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3165-3170	1.3	6
23	Influence of carbon on stability, mechanical property, electronic structure, and lattice dynamics of silicon carbonitride. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5717-5731	3.8	6
22	Preparation and properties of negative thermal expansion zirconium tungstate thin films deposited by radio frequency magnetron sputtering. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2509-2513	1.3	6
21	In situ synchrotron X-ray diffraction analysis of deformation behavior of a Nb/NiTi composite for biomedical applications. <i>Rare Metals</i> , 2021 , 40, 600-606	5.5	6
20	Fabrication of free-standing and flexible silver nanoparticle-graphene films and their surface-enhanced Raman scattering activity. <i>Monatshefte für Chemie</i> , 2014 , 145, 11-17	1.4	5
19	THERMAL EXPANSION OF ZrO ₂ -ZrW ₂ O ₈ COMPOSITES PREPARED USING CO-PRECIPIATION ROUTE. <i>International Journal of Modern Physics B</i> , 2009 , 23, 1449-1454	1.1	5
18	Influence of fabrication method on the structure and thermal expansion property of ZrW ₂ MoO ₈ and its composites. <i>Journal of Materials Science</i> , 2011 , 46, 1253-1258	4.3	4
17	Ultra-Small Fe ₃ O ₄ Nanoparticles Decorated WS ₂ Nanosheets with Superior Electrochemical Properties for Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 897-904	1.3	4
16	Novel CsWO ₄ /TiO ₂ Microspheres as Enhanced Visible Light Photocatalysts for Dye Pollutant Treatments. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5485-5492	1.3	3
15	Thermal expansion, electrical conductivity and hardness of Mn ₃ Zn _{0.5} Sn _{0.5} N/Al composites. <i>Science and Engineering of Composite Materials</i> , 2018 , 25, 95-100	1.5	3
14	Large-scale synthesis of SiC nanowires from polysiloxane and wood powder composites. <i>Crystal Research and Technology</i> , 2012 , 47, 1237-1242	1.3	3
13	Rational Design for Mn ₃ O ₄ @carbon Foam Nanocomposite with Structure for Boosting Electrochemical Performance. <i>Energy & Fuels</i> , 2020 , 34, 14924-14933	4.1	3
12	An Improved Constitutive Model Based on BP Artificial Neural Network and 3D Processing Maps of a Spray-Formed Al _{0.8} Cu _{0.2} Ni Alloy. <i>Transactions of the Indian Institute of Metals</i> , 2021 , 74, 1809	1.2	3
11	Tripotassium citrate monohydrate derived carbon nanosheets as a competent assistant to manganese dioxide with remarkable performance in the supercapacitor. <i>Frontiers of Chemical Science and Engineering</i> , 1	4.5	3
10	Hot Deformation Behavior and Constitutive Modeling of Alloy 800H Considering Effects of Strain. <i>High Temperature Materials and Processes</i> , 2017 , 36, 467-475	0.9	2
9	Design and fabrication of a Nb/NiTi superelastic composite with high critical stress for inducing martensitic transformation and large recoverable strain for biomedical applications. <i>Materials Science and Engineering C</i> , 2020 , 112, 110894	8.3	2
8	Synthesis, photocatalytic performance and negative thermal expansion property of nanorods ZrMo ₂ V _x O ₈ /2 with cubic structure. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 76, 279-288	2.3	1
7	Is CuO Suitable for Improving the Electrochemical Properties of g-C ₃ N ₄ ? <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 3415-3423	1.3	1

6	Critical Dynamic Recrystallization Model and Nucleation Mechanisms of an Alumina-Forming Austenitic Stainless Steel during Hot Deformation. <i>Transactions of the Indian Institute of Metals</i> , 2020 , 73, 2965-2973	1.2	1
5	Numerical Simulation of the Strength and Plasticity Performance in Austenitic Stainless Steel. <i>High Temperature Materials and Processes</i> , 2013 , 32, 89-96	0.9	0
4	Hot Deformation Characteristics and Dynamic Recrystallization Mechanisms of a Newly Developed Austenitic Heat-Resistant Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 5409	2.3	0
3	Uniaxial tensile deformation behavior of a sandwich-like structural TiNb-NiTi composite for biomedical applications. <i>Rare Metals</i> , 2021 , 40, 3627-3634	5.5	0
2	Investigation of Hot Working Performance and Microstructure Evolution of GH1059 Superalloy Based on Processing Map. <i>Transactions of the Indian Institute of Metals</i> , 1	1.2	0
1	Achieving a combination of decent biocompatibility and large near-linear-elastic deformation behavior in shell-core-like structural TiNb/NiTi composite. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 123, 104789	4.1	0