

# Xiao-Nong Cheng

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/303123/xiao-nong-cheng-publications-by-year.pdf>

**Version:** 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2021</b> , 52, 5409	2.3	0
58	An Improved Constitutive Model Based on BP Artificial Neural Network and 3D Processing Maps of a Spray-Formed AlCuTi Alloy. <i>Transactions of the Indian Institute of Metals</i> , <b>2021</b> , 74, 1809	1.2	3
57	Uniaxial tensile deformation behavior of a sandwich-like structural TiNb-NiTi composite for biomedical applications. <i>Rare Metals</i> , <b>2021</b> , 40, 3627-3634	5.5	0
56	In situ synchrotron X-ray diffraction analysis of deformation behavior of a Nb/NiTi composite for biomedical applications. <i>Rare Metals</i> , <b>2021</b> , 40, 600-606	5.5	6
55	Band Engineering and Morphology Control of Oxygen-Incorporated Graphitic Carbon Nitride Porous Nanosheets for Highly Efficient Photocatalytic Hydrogen Evolution. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 48	19.5	14
54	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> , <b>2021</b> , 123, 104789	4.1	0
53	Electrochemical Performance of an Asymmetric Coin Cell Supercapacitor Based on Marshmallow-like MnO <sub>2</sub> /Carbon Cloth in Neutral and Alkaline Electrolytes. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 2766-2774	4.1	8
52	Is CuO Suitable for Improving the Electrochemical Properties of g-C <sub>3</sub> N <sub>4</sub> ? <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 3415-3423	1.3	1
51	A free-standing electrode based on 2D SnS <sub>2</sub> nanoplates@3D carbon foam for high performance supercapacitors. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 8542-8554	4.5	6
50	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> , <b>2020</b> , 112, 110894	8.3	2
49	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> , <b>2020</b> , 73, 2965-2973	1.2	1
48	Rational Design for Mn <sub>3</sub> O <sub>4</sub> @carbon Foam Nanocomposite with [email protected] Structure for Boosting Electrochemical Performance. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 14924-14933	4.1	3
47	Construction of novel ternary dual Z-scheme Ag <sub>3</sub> VO <sub>4</sub> /C <sub>3</sub> N <sub>4</sub> /reduced TiO <sub>2</sub> composite with excellent visible-light photodegradation activity. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 2024-2036	2.5	11
46	High Temperature Deformation Characteristics of an Alumina-Forming Stainless Steel. <i>Steel Research International</i> , <b>2019</b> , 90, 1900022	1.6	9
45	Hydrothermal synthesis of hierarchical nanocomposite assembled by Bi <sub>2</sub> S <sub>3</sub> nanorods and MoS <sub>2</sub> nanosheets with improved electrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 6633-6642	2.1	10
44	One-dimensional MoO <sub>3</sub> coated by carbon for supercapacitor with enhanced electrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 6643-6649	2.1	8
43	Mn <sub>3</sub> O <sub>4</sub> nanoparticles on activated carbonitride by soft chemical method for symmetric coin cell supercapacitors. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 8481	4.5	10

42	Cobalt Sulfide/Reduced Graphene Oxide Nanocomposite with Enhanced Performance for Supercapacitors. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 1531-1539	1.9	23
41	Ultra-Small Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Decorated WS <sub>2</sub> Nanosheets with Superior Electrochemical Properties for Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 897-904	1.3	4
40	Dynamic recrystallization behavior of Fe <sub>20</sub> Cr <sub>30</sub> Ni <sub>0.6</sub> Nb <sub>2</sub> Al <sub>40</sub> Mo alloy. <i>Rare Metals</i> , <b>2019</b> , 38, 181-188	5.5	7
39	Novel CsWO <sub>4</sub> /TiO <sub>2</sub> Microspheres as Enhanced Visible Light Photocatalysts for Dye Pollutant Treatments. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 5485-5492	1.3	3
38	A facile one-step hydrothermal synthesis of carbon/MoS <sub>2</sub> yolk-shell hierarchical microspheres with excellent electrochemical cycling stability. <i>Journal of Applied Electrochemistry</i> , <b>2018</b> , 48, 509-518	2.6	15
37	Thermal expansion, electrical conductivity and hardness of Mn <sub>3</sub> Zn <sub>0.5</sub> Sn <sub>0.5</sub> N/Al composites. <i>Science and Engineering of Composite Materials</i> , <b>2018</b> , 25, 95-100	1.5	3
36	Liquid Exfoliation and Electrochemical Properties of WS <sub>2</sub> Nanosheets. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 3165-3170	1.3	6
35	Influence of carbon on stability, mechanical property, electronic structure, and lattice dynamics of silicon carbonitride. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 5717-5731	3.8	6
34	Highly Active, Superstable, and Biocompatible Ag/Polydopamine/g-C <sub>3</sub> N <sub>4</sub> Bactericidal Photocatalyst: Synthesis, Characterization, and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14082-14094	8.3	53
33	Porous graphene doped with Fe/N/S and incorporating Fe <sub>3</sub> O <sub>4</sub> nanoparticles for efficient oxygen reduction. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 5325-5333	5.5	19
32	Sb <sub>2</sub> WO <sub>6</sub> nanoparticles coated TiO <sub>2</sub> nanobelts exhibiting remarkable photo-catalyst response. <i>Materials Technology</i> , <b>2018</b> , 33, 479-487	2.1	9
31	Hot Deformation Behavior and Constitutive Modeling of Alloy 800H Considering Effects of Strain. <i>High Temperature Materials and Processes</i> , <b>2017</b> , 36, 467-475	0.9	2
30	WS <sub>2</sub> nanosheets decorated by Ag nanoparticles with different content and uniform distribution for enhanced electrochemical properties. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	7
29	Scalable colloidal synthesis of uniform Bi <sub>2</sub> S <sub>3</sub> nanorods as sensitive materials for visible-light photodetectors. <i>CrystEngComm</i> , <b>2017</b> , 19, 727-733	3.3	30
28	Porous SiOC composites fabricated from preceramic polymers and wood powders for efficient dye adsorption and removal. <i>Research on Chemical Intermediates</i> , <b>2017</b> , 43, 3813-3832	2.8	16
27	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> , <b>2016</b> , 4, 18628-18638	13	24
26	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 &amp; Interfaces</i> , <b>2016</b> , 8, 25863-25874	9.5	38
25	Ultrasonic-assisted synthesis of carbon nanotube supported bimetallic Pt/Ru nanoparticles for effective methanol oxidation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8459-8465	13	48

24	In-situ synthesis of Sc <sub>2</sub> W <sub>3</sub> O <sub>12</sub> /YSZ ceramic composites with controllable thermal expansion. <i>Ceramics International</i> , <b>2015</b> , 41, 8267-8271	5.1	9
23	One-pot synthesis of B-doped three-dimensional reduced graphene oxide via supercritical fluid for oxygen reduction reaction. <i>Green Chemistry</i> , <b>2015</b> , 17, 3552-3560	10	92
22	Synthesis, photocatalytic performance and negative thermal expansion property of nanorods ZrMo <sub>2</sub> V <sub>8</sub> O <sub>28</sub> /2 with cubic structure. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 76, 279-288	2.3	1
21	Graphene/silver nanohybrids for ultrasensitive surface enhanced Raman spectroscopy: size dependence of silver nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 6850	7.1	45
20	Synthesis of flexible free-standing silver nanoparticles-graphene films and their surface-enhanced Raman scattering activity. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	9
19	Synthesis and tunable thermal expansion properties of Sc <sub>2</sub> Y <sub>x</sub> W <sub>3</sub> O <sub>12</sub> solid solutions. <i>Ceramics International</i> , <b>2014</b> , 40, 8195-8199	5.1	9
18	Influence of W doped ZrV <sub>2</sub> O <sub>7</sub> on structure, negative thermal expansion property and photocatalytic performance. <i>Applied Surface Science</i> , <b>2014</b> , 313, 41-47	6.7	21
17	Synthesis and characterization of sol/gel derived ZrV <sub>2</sub> O <sub>7</sub> fibers with negative thermal expansion property. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 72, 502-510	2.3	7
16	Fabrication of free-standing and flexible silver nanoparticle-graphene films and their surface-enhanced Raman scattering activity. <i>Monatshefte für Chemie</i> , <b>2014</b> , 145, 11-17	1.4	5
15	Fast and green synthesis of flexible free-standing silver nanoparticles/graphene substrates and their surface-enhanced Raman scattering activity. <i>RSC Advances</i> , <b>2013</b> , 3, 23236	3.7	12
14	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> , <b>2013</b> , 3, 3391	3.7	43
13	Numerical Simulation of the Strength and Plasticity Performance in Austenitic Stainless Steel. <i>High Temperature Materials and Processes</i> , <b>2013</b> , 32, 89-96	0.9	0
12	Large-scale synthesis of SiC nanowires from polysiloxane and wood powder composites. <i>Crystal Research and Technology</i> , <b>2012</b> , 47, 1237-1242	1.3	3
11	Comparative characteristics of yttrium oxide and yttrium nitric acid doping in ZnO varistor ceramics. <i>Journal of Central South University</i> , <b>2012</b> , 19, 2094-2100	2.1	18
10	Influence of fabrication method on the structure and thermal expansion property of ZrW <sub>2</sub> MoO <sub>8</sub> and its composites. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 1253-1258	4.3	4
9	THERMAL EXPANSION OF ZrO <sub>2</sub> -ZrW <sub>2</sub> O <sub>8</sub> COMPOSITES PREPARED USING CO-PRECIPIATION ROUTE. <i>International Journal of Modern Physics B</i> , <b>2009</b> , 23, 1449-1454	1.1	5
8	Controlled visible photoluminescence of ZnO thin films prepared by RF magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 96, 783-787	2.6	16
7	Thermal and electric conductivity of near-zero thermal expansion ZrW <sub>2</sub> O <sub>8</sub> /ZrO <sub>2</sub> composites. <i>Journal of the Ceramic Society of Japan</i> , <b>2008</b> , 116, 471-474	1	9

6	Morphology control and negative thermal expansion in cubic ZrW <sub>6</sub> O <sub>19</sub> powders. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2477-2482	1.3	9
5	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> , <b>2008</b> , 245, 2509-2513 <sup>1,3</sup>	1.3	6
4	In Situ Synthesis of ZrO <sub>2</sub> /ZrW <sub>6</sub> O <sub>19</sub> Composites With Near-Zero Thermal Expansion. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1953-1955	3.8	30
3	Preparation and characterization of ZrW <sub>6</sub> O <sub>19</sub> powders with different morphologies using hydrothermal method. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 2528-2531	4.3	10
2	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
1	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