

Yuan Huang

List of Publications by Year in descending order

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42
papers

2,159
citations

430442

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264894

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docs citations

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times ranked

3812
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of an n-Body Potential for Revealing the Atomic Mechanism for Direct Alloying of Immiscible Tungsten and Copper. <i>Materials</i> , 2021, 14, 5988.	1.3	11
2	Highly sensitive non-enzymatic hydrogen peroxide monitoring platform based on nanoporous gold via a modified solid-phase reaction method. <i>RSC Advances</i> , 2021, 11, 36753-36759.	1.7	4
3	Enhanced Electrocatalytic Activities toward the Ethanol Oxidation of Nanoporous Gold Prepared via Solid-Phase Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 336-343.	2.5	22
4	Collective and individual impacts of the cascade doping of alkali cations in perovskite single crystals. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15351-15360.	2.7	1
5	Microscopic Investigation of High-Temperature Oxidation of hcp-ZrAl ₂ . <i>Oxidation of Metals</i> , 2020, 94, 431-445.	1.0	1
6	Carrier transport composites with suppressed glass-transition for stable planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14106-14113.	5.2	18
7	Influence of Al Addition Upon the Microstructure and Mechanical Property of Dual-Phase 9Cr-ODS Steels. <i>Metals and Materials International</i> , 2019, 25, 168-178.	1.8	7
8	Ultra-fine Wâ€“Y ₂ O ₃ composite powders prepared by an improved chemical co-precipitation method and its interface structure after spark plasma sintering. <i>Tungsten</i> , 2019, 1, 220-228.	2.0	23
9	Effects of Zr Addition on Thermodynamic and Kinetic Properties of Liquid Mg-6Zn-xZr Alloys. <i>Metals</i> , 2019, 9, 607.	1.0	6
10	A Thermodynamically Favored Crystal Orientation in Mixed Formamidineium/Methylammonium Perovskite for Efficient Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1900390.	11.1	101
11	Effect of deformation twinning on high-temperature performance of cold-rolled S31042 steel. <i>Journal of Iron and Steel Research International</i> , 2019, 26, 704-711.	1.4	2
12	Formation mechanisms of Yâ€“Alâ€“O complex oxides in 9Cr-ODS steels with Al addition. <i>Journal of Materials Science</i> , 2019, 54, 7893-7907.	1.7	15
13	Characterization of 14Cr ODS Steel Fabricated by Spark Plasma Sintering. <i>Metals</i> , 2019, 9, 200.	1.0	13
14	Helium bubble evolution and deformation of single crystal Î±-Fe. <i>Journal of Materials Science</i> , 2019, 54, 1785-1796.	1.7	8
15	A Eu ³⁺ -Eu ²⁺ ion redox shuttle imparts operational durability to Pb-I perovskite solar cells. <i>Science</i> , 2019, 363, 265-270.	6.0	793
16	Effects of aluminum and titanium on the microstructure of ODS steels fabricated by hot pressing. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 1156-1165.	2.4	8
17	Uniformly Dispersed Freestanding Carbon Nanofiber/Graphene Electrodes Made by a Scalable Biological Method for High-Performance Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1803075.	7.8	83
18	The Exploration of Carrier Behavior in the Inverted Mixed Perovskite Single-Crystal Solar Cells. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800224.	1.9	58

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19	Novel Bacterial Cellulose/Gelatin Hydrogels as 3D Scaffolds for Tumor Cell Culture. <i>Polymers</i> , 2018, 10, 581.	2.0	43
20	Controlled Synthesis and Photocatalytic Performance of Au@ZnO Nanospheres with Core-Shell and Yolk-Shell Structures Assisted by Carbonaceous Layers as Intermediate. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2555-2561.	0.9	2
21	Chemical Reduction of Intrinsic Defects in Thicker Heterojunction Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1606774.	11.1	318
22	Sacrificial template method for the synthesis of three-dimensional nanofibrous 58S bioglass scaffold and its in-vitro bioactivity and cell responses. <i>Journal of Biomaterials Applications</i> , 2017, 32, 265-275.	1.2	22
23	The intrinsic properties of $\text{FA}_{1-x}\text{MA}_x\text{Pb}_3$ perovskite single crystals. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8537-8544.	5.2	152
24	Hot deformation behavior and microstructural evolution of Nb-V-Ti microalloyed ultra-high strength steel. <i>Journal of Materials Research</i> , 2017, 32, 3777-3787.	1.2	13
25	Formation of Fine B_2O_3 Structure and Enhancement of Hardness in the Aged Ti2AlNb-Based Alloys Prepared by Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 4365-4371.	1.1	18
26	Induction of diffusion and construction of metallurgical interfaces directly between immiscible Mo and Ag by irradiation-induced point defects. <i>RSC Advances</i> , 2017, 7, 53763-53769.	1.7	3
27	Austenite to polygonal-ferrite transformation and carbide precipitation in high strength low alloy steel. <i>International Journal of Materials Research</i> , 2017, 108, 12-19.	0.1	2
28	The Progress of Interface Design in Perovskite-Based Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600460.	10.2	139
29	Hydrogenated nanoporous TiO ₂ film on Ti 25Nb 3Mo 2Sn 3Zr alloy with enhanced photocatalytic and sterilization activities driven by visible light. <i>Journal of Alloys and Compounds</i> , 2016, 678, 5-11.	2.8	18
30	Effects of cold rolling on the precipitation and the morphology of γ' -phase in Inconel 718 alloy. <i>Journal of Materials Research</i> , 2016, 31, 443-454.	1.2	14
31	Preparation of nanoporous molybdenum film by dealloying an immiscible Mo-Zn system for hydrogen evolution reaction. <i>RSC Advances</i> , 2016, 6, 15390-15393.	1.7	16
32	Oxygen-vacancy modified TiO ₂ nanoparticles as enhanced visible-light driven photocatalysts by wrapping and chemically bonding with graphite-like carbon. <i>RSC Advances</i> , 2016, 6, 10887-10894.	1.7	12
33	Tribological behavior of three-dimensional braided carbon fiber reinforced polyetheretherketone composites. <i>Polymer Composites</i> , 2015, 36, 2174-2183.	2.3	6
34	Au@Cu ₇ S ₄ yolk-shell nanoparticles as a 980 nm laser-driven photothermal agent with a heat conversion efficiency of 63%. <i>RSC Advances</i> , 2015, 5, 87903-87907.	1.7	34
35	FABRICATION AND CHARACTERIZATION OF NOVEL Fe-Ni ALLOY COATED CARBON FIBERS FOR HIGH-PERFORMANCE SHIELDING MATERIALS. <i>Surface Review and Letters</i> , 2015, 22, 1550028.	0.5	4
36	Controlled delivery of dexamethasone from TiO ₂ film with nanoporous structure on Ti-25Nb-3Mo-2Sn-3Zr biomedical alloy without polymeric carrier. <i>Materials Letters</i> , 2014, 128, 384-387.	1.3	11

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37	Yolk-shell structured Fe ₃ O ₄ @C@F-TiO ₂ microspheres with surface fluorinated as recyclable visible-light driven photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 515-522.	10.8	48
38	Self-organizing evolution of anodized oxide films on Ti-25Nb-3Mo-2Sn-3Zr alloy and hydrophilicity. <i>Transactions of Tianjin University</i> , 2014, 20, 97-102.	3.3	1
39	Fabrication of Ge quantum dots doped TiO ₂ films with high optical absorption properties via layer-by-layer ion-beam sputtering. <i>Materials Letters</i> , 2012, 67, 369-372.	1.3	15
40	Three-dimensional cuprous oxide microtube lattices with high catalytic activity templated by bacterial cellulose nanofibers. <i>Journal of Materials Chemistry</i> , 2011, 21, 10637.	6.7	44
41	Dynamic interaction between the growing Ca-P minerals and bacterial cellulose nanofibers during early biomineralization process. <i>Cellulose</i> , 2010, 17, 365-373.	2.4	35
42	Characterisation of Hydroxyapatite/Bacterial Cellulose Nanocomposites. <i>Polymers and Polymer Composites</i> , 2009, 17, 353-358.	1.0	14