

Yu Chen

List of Publications by Year in descending order

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24
papers

1,768
citations

516710

16
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610901

24
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docs citations

25
times ranked

2449
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Segregation Enhanced Ion Movement in Efficient Inorganic CsPbIBr ₂ Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700946.	19.5	318
2	Unconventional CN vacancies suppress iron-leaching in Prussian blue analogue pre-catalyst for boosted oxygen evolution catalysis. <i>Nature Communications</i> , 2019, 10, 2799.	12.8	202
3	Ultrathin water-stable metal-organic framework membranes for ion separation. <i>Science Advances</i> , 2020, 6, eaay3998.	10.3	179
4	Anion Etching for Accessing Rapid and Deep Self-Reconstruction of Precatalysts for Water Oxidation. <i>Matter</i> , 2020, 3, 2124-2137.	10.0	177
5	Single-phase perovskite oxide with super-exchange induced atomic-scale synergistic active centers enables ultrafast hydrogen evolution. <i>Nature Communications</i> , 2020, 11, 5657.	12.8	134
6	Hydrogen spillover in complex oxide multifunctional sites improves acidic hydrogen evolution electrocatalysis. <i>Nature Communications</i> , 2022, 13, 1189.	12.8	122
7	The coexistence of two S (Al ₂ CuMg) phases in Al-Cu-Mg alloys. <i>Acta Materialia</i> , 2012, 60, 6940-6951.	7.9	102
8	Quantitative measurements of dynamic precipitation during fatigue of an Al-Zn-Mg (Cu) alloy using small-angle X-ray scattering. <i>Acta Materialia</i> , 2014, 74, 96-109.	7.9	94
9	The effect of interrupted aging on the yield strength and uniform elongation of precipitation-hardened Al alloys. <i>Acta Materialia</i> , 2013, 61, 5877-5894.	7.9	93
10	The origins for tensile properties of selective laser melted aluminium alloy A357. <i>Additive Manufacturing</i> , 2017, 17, 113-122.	3.0	66
11	Dynamic precipitation during cyclic deformation of an underaged Al-Cu alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7410-7416.	5.6	60
12	Hydrothermal synthesis of hexagonal ZnO clusters. <i>Materials Letters</i> , 2007, 61, 4438-4441.	2.6	38
13	Efficient Water Splitting Actualized through an Electrochemistry-Induced Hetero-Structured Antiperovskite/(Oxy)Hydroxide Hybrid. <i>Small</i> , 2020, 16, e2006800.	10.0	36
14	Low-temperature conversion of ammonia to nitrogen in water with ozone over composite metal oxide catalyst. <i>Journal of Environmental Sciences</i> , 2018, 66, 265-273.	6.1	35
15	Tailored Brownmillerite Oxide Catalyst with Multiple Electronic Functionalities Enables Ultrafast Water Oxidation. <i>Chemistry of Materials</i> , 2021, 33, 5233-5241.	6.7	32
16	Graphene encapsulation enabled high-throughput atom probe tomography of liquid specimens. <i>Ultramicroscopy</i> , 2020, 216, 113036.	1.9	18
17	Three-Dimensional Chemical Mapping of a Single Protein in the Hydrated State with Atom Probe Tomography. <i>Analytical Chemistry</i> , 2020, 92, 5168-5177.	6.5	15
18	Graphene-Enhanced 3D Chemical Mapping of Biological Specimens at Near-Atomic Resolution. <i>Advanced Functional Materials</i> , 2018, 28, 1801439.	14.9	14

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19	Surface precipitation on engineering alloys. <i>Acta Materialia</i> , 2014, 81, 291-303.	7.9	11
20	Pulsed-voltage atom probe tomography of low conductivity and insulator materials by application of ultrathin metallic coating on nanoscale specimen geometry. <i>Ultramicroscopy</i> , 2017, 181, 150-159.	1.9	9
21	High temperature electrode reactions of Sr and Mg doped LaGaO ₃ perovskite. <i>Journal of Materials Science</i> , 2008, 43, 2058-2065.	3.7	6
22	Hierarchical layered and refined grain structure of Inconel 718 superalloy produced by rolling-assisted directed energy deposition. <i>Additive Manufacturing Letters</i> , 2021, 1, 100009.	2.1	4
23	Growth of faceted, monolayer-coated nanovoids in aluminium. <i>Acta Materialia</i> , 2021, 206, 116594.	7.9	2
24	Tailoring Surface Self-Organization for Nanoscale Polygonal Morphology on Germanium. <i>Advanced Materials</i> , 2021, 33, e2008668.	21.0	1