

Yu Chen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,768
citations

516710

16
h-index

610901

24
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25
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25
docs citations

25
times ranked

2449
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Hydrogen spillover in complex oxide multifunctional sites improves acidic hydrogen evolution electrocatalysis. <i>Nature Communications</i> , 2022, 13, 1189. | 12.8 | 122 |
| 2 | Growth of faceted, monolayer-coated nanovoids in aluminium. <i>Acta Materialia</i> , 2021, 206, 116594. | 7.9 | 2 |
| 3 | Tailoring Surface Self-Organization for Nanoscale Polygonal Morphology on Germanium. <i>Advanced Materials</i> , 2021, 33, e2008668. | 21.0 | 1 |
| 4 | Tailored Brownmillerite Oxide Catalyst with Multiple Electronic Functionalities Enables Ultrafast Water Oxidation. <i>Chemistry of Materials</i> , 2021, 33, 5233-5241. | 6.7 | 32 |
| 5 | 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 |
| 6 | Anion Etching for Accessing Rapid and Deep Self-Reconstruction of Precatalysts for Water Oxidation. <i>Matter</i> , 2020, 3, 2124-2137. | 10.0 | 177 |
| 7 | Efficient Water Splitting Actualized through an Electrochemistry-Induced Hetero-Structured Antiperovskite/(Oxy)Hydroxide Hybrid. <i>Small</i> , 2020, 16, e2006800. | 10.0 | 36 |
| 8 | 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 |
| 9 | Graphene encapsulation enabled high-throughput atom probe tomography of liquid specimens. <i>Ultramicroscopy</i> , 2020, 216, 113036. | 1.9 | 18 |
| 10 | Ultrathin water-stable metal-organic framework membranes for ion separation. <i>Science Advances</i> , 2020, 6, eaay3998. | 10.3 | 179 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Graphene-Enhanced 3D Chemical Mapping of Biological Specimens at Near-Atomic Resolution. <i>Advanced Functional Materials</i> , 2018, 28, 1801439. | 14.9 | 14 |
| 15 | 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 |
| 16 | The origins for tensile properties of selective laser melted aluminium alloy A357. <i>Additive Manufacturing</i> , 2017, 17, 113-122. | 3.0 | 66 |
| 17 | Phase Segregation Enhanced Ion Movement in Efficient Inorganic CsPbI ₃ Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700946. | 19.5 | 318 |
| 18 | Surface precipitation on engineering alloys. <i>Acta Materialia</i> , 2014, 81, 291-303. | 7.9 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Hydrothermal synthesis of hexagonal ZnO clusters. <i>Materials Letters</i> , 2007, 61, 4438-4441. | 2.6 | 38 |