Chao Chen

List of Publications by Year
in descending order

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24 papers	2,624 citations	516215 16 h-index	642321 23 g-index
24 all docs	24 docs citations	24 times ranked	3086 citing authors

#	Article	IF	Citations
1	Amorphous Co(OH)₂ nanocages achieving efficient photo-induced charge transfer for significant SERS activity. Journal of Materials Chemistry C, 2022, 10, 1632-1637.	2.7	8
2	Orientated dominating charge separation via crystal facet homojunction inserted into BiOBr for solar-driven CO2 conversion. Journal of CO2 Utilization, 2022, 59, 101957.	3.3	11
3	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO2 reduction. Nano Energy, 2021, 79, 105429.	8.2	117
4	Highly Sensitive W₁₈O₄₉ Mesocrystal Raman Scattering Substrate with Large-Area Signal Uniformity. Analytical Chemistry, 2021, 93, 3138-3145.	3.2	25
5	Accurate machine learning models based on small dataset of energetic materials through spatial matrix featurization methods. Journal of Energy Chemistry, 2021, 63, 364-375.	7.1	7
6	Surface Local Polarization Induced by Bismuthâ€Oxygen Vacancy Pairs Tuning Nonâ€Covalent Interaction for CO₂ Photoreduction. Advanced Energy Materials, 2021, 11, 2102389.	10.2	109
7	Deformable Thermo-Responsive Smart Windows Based on a Shape Memory Polymer for Adaptive Solar Modulations. ACS Applied Materials & Interfaces, 2021, 13, 61196-61204.	4.0	16
8	Strain-Engineering of Bi₁₂O₁₇Br₂ Nanotubes for Boosting Photocatalytic CO₂ Reduction. , 2020, 2, 1025-1032.		82
9	Quasi-metallic Tungsten Oxide Nanodendrites with High Stability for Surface-Enhanced Raman Scattering. Cell Reports Physical Science, 2020, 1, 100031.	2.8	8
10	Thermalâ€Disrupting Interface Mitigates Intercellular Cohesion Loss for Accurate Topical Antibacterial Therapy. Advanced Materials, 2020, 32, e1907030.	11.1	75
11	Oxygen vacancy mediated bismuth stannate ultra-small nanoparticle towards photocatalytic CO2-to-CO conversion. Applied Catalysis B: Environmental, 2020, 276, 119156.	10.8	59
12	Decomposition and Energy-Enhancement Mechanism of the Energetic Binder Glycidyl Azide Polymer at Explosive Detonation Temperatures. Journal of Physical Chemistry A, 2020, 124, 5542-5554.	1.1	14
13	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO₂ Reduction. ACS Applied Materials & Interfaces, 2019, 11, 30786-30792.	4.0	140
14	Isolated single atom cobalt in Bi3O4Br atomic layers to trigger efficient CO2 photoreduction. Nature Communications, 2019, 10, 2840.	5.8	327
15	Synergy of Dopants and Defects in Graphitic Carbon Nitride with Exceptionally Modulated Band Structures for Efficient Photocatalytic Oxygen Evolution. Advanced Materials, 2019, 31, e1903545.	11.1	604
16	Quasi-Metal for Highly Sensitive and Stable Surface-Enhanced Raman Scattering. IScience, 2019, 19, 836-849.	1.9	19
17	Defectâ€Tailoring Mediated Electronâ€“Hole Separation in Singleâ€Unitâ€Cell Bi₃O₄Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. Advanced Materials, 2019, 31, e1807576.	11.1	311
18	Rattle-type Au@Cu 2â€“x S hollow mesoporous nanocrystals with enhanced photothermal efficiency for intracellular oncogenic microRNA detection and chemo-photothermal therapy. Biomaterials, 2018, 158, 23-33.	5.7	68

#	Article	IF	Citations
19	Direct Experimental Observation of Facetâ€Dependent SERS of Cu₂O Polyhedra. Small, 2018, 14, 1703274.	5.2	108
20	Bismuth vacancy mediated single unit cell Bi2WO6 nanosheets for boosting photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2018, 238, 119-125.	10.8	173
21	Target-Triggered Catalytic Hairpin Assembly-Induced Coreâ€“Satellite Nanostructures for High-Sensitive â€œOff-to-Onâ€•SERS Detection of Intracellular MicroRNA. Analytical Chemistry, 2018, 90, 10591-10599.	3.2	85
22	Valence Electron Density-Dependent Pseudopermittivity for Nonlocal Effects in Optical Properties of Metallic Nanoparticles. ACS Photonics, 2018, 5, 2295-2304.	3.2	12
23	Monodisperse Dual Plasmonic Au@Cu_{2â€“x}E (E= S, Se) Core@Shell Supraparticles: Aqueous Fabrication, Multimodal Imaging, and Tumor Therapy at in Vivo Level. ACS Nano, 2017, 11, 8273-8281.	7.3	139
24	Defect engineering in atomically-thin bismuth oxychloride towards photocatalytic oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 14144-14151.	5.2	107