

Chuan Fu Tan

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,450
citations

430442

18
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752256

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21
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21
docs citations

21
times ranked

2629
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Spectrum Tailored Defective 2D Semiconductor Nanosheets Aerogel for Full-Spectrum-Driven Photothermal Water Evaporation and Photochemical Degradation. <i>Advanced Functional Materials</i> , 2020, 30, 2004460. | 7.8 | 175 |
| 2 | Pseudomorphic Transformation of Interpenetrated Prussian Blue Analogs into Defective Nickel Iron Selenides for Enhanced Electrochemical and Photo-Electrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1802983. | 10.2 | 150 |
| 3 | In-built thermo-mechanical cooperative feedback mechanism for self-propelled multimodal locomotion and electricity generation. <i>Nature Communications</i> , 2018, 9, 3438. | 5.8 | 117 |
| 4 | Surface texturing and dielectric property tuning toward boosting of triboelectric nanogenerator performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 52-57. | 5.2 | 113 |
| 5 | Self-Biased Hybrid Piezoelectric-Photoelectrochemical Cell with Photocatalytic Functionalities. <i>ACS Nano</i> , 2015, 9, 7661-7670. | 7.3 | 105 |
| 6 | Ag-CuO-ZnO metal-semiconductor multiconcentric nanotubes for achieving superior and perdurable photodegradation. <i>Nanoscale</i> , 2017, 9, 11574-11583. | 2.8 | 96 |
| 7 | Uniaxially Stretched Flexible Surface Plasmon Resonance Film for Versatile Surface Enhanced Raman Scattering Diagnostics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26341-26349. | 4.0 | 91 |
| 8 | Design of a Metal Oxide-Organic Framework (MoOF) Foam Microreactor: Solar-Induced Direct Pollutant Degradation and Hydrogen Generation. <i>Advanced Materials</i> , 2015, 27, 7713-7719. | 11.1 | 86 |
| 9 | Hedgehog Inspired CuO Nanowires/Cu ₂ O Composites for Broadband Visible-Light-Driven Recyclable Surface Enhanced Raman Scattering. <i>Advanced Optical Materials</i> , 2018, 6, 1701167. | 3.6 | 82 |
| 10 | Nanophotonic-Engineered Photothermal Harnessing for Waste Heat Management and Pyroelectric Generation. <i>ACS Nano</i> , 2017, 11, 10568-10574. | 7.3 | 75 |
| 11 | Functional Defective Metal-Organic Coordinated Network of Mesostructured Nanoframes for Enhanced Electrocatalysis. <i>Advanced Functional Materials</i> , 2018, 28, 1704177. | 7.8 | 68 |
| 12 | Inverse Stellation of CuAu-ZnO Multimetallic-Semiconductor Nanostartube for Plasmon-Enhanced Photocatalysis. <i>ACS Nano</i> , 2018, 12, 4512-4520. | 7.3 | 60 |
| 13 | Nanosecond laser ablation for enhanced adhesion of CuO nanowires on copper substrate and its application for oil-water separation. <i>Applied Surface Science</i> , 2019, 465, 995-1002. | 3.1 | 50 |
| 14 | Plasmonic enhanced photoelectrochemical and photocatalytic performances of 1D coaxial Ag@Ag ₂ S hybrids. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21570-21578. | 5.2 | 45 |
| 15 | Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10326-10330. | 7.2 | 43 |
| 16 | Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie</i> , 2016, 128, 10482-10486. | 1.6 | 30 |
| 17 | Highly flexible solution processable heterostructured zinc oxide nanowires mesh for environmental clean-up applications. <i>RSC Advances</i> , 2014, 4, 27481-27487. | 1.7 | 23 |
| 18 | Spatially Probed Plasmonic Photothermic Nanoheater Enhanced Hybrid Polymeric-Metallic PVDF-Ag Nanogenerator. <i>Small</i> , 2018, 14, 1702268. | 5.2 | 23 |

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|----|---|------|-----------|
| 19 | Spontaneous Electroless Galvanic Cell Deposition of 3D Hierarchical and Interlaced Sâ€“Mâ€“S Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1604417. | 11.1 | 16 |