

Chuan Fu Tan

List of Publications by Year in descending order

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19
papers

1,450
citations

430442

18
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752256

20
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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	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
4	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
5	Inverse Stellation of CuAu-ZnO Multimetallic-Semiconductor Nanostartube for Plasmon-Enhanced Photocatalysis. <i>ACS Nano</i> , 2018, 12, 4512-4520.	7.3	60
6	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
7	Spatially Probed Plasmonic Photothermic Nanoheater Enhanced Hybrid Polymeric-Metallic PVDF-Ag Nanogenerator. <i>Small</i> , 2018, 14, 1702268.	5.2	23
8	Functional Defective Metal-Organic Coordinated Network of Mesosstructured Nanoframes for Enhanced Electrocatalysis. <i>Advanced Functional Materials</i> , 2018, 28, 1704177.	7.8	68
9	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
10	Nanophotonic-Engineered Photothermal Harnessing for Waste Heat Management and Pyroelectric Generation. <i>ACS Nano</i> , 2017, 11, 10568-10574.	7.3	75
11	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
12	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
13	Ag-CuO-ZnO metal-semiconductor multiconcentric nanotubes for achieving superior and perdurable photodegradation. <i>Nanoscale</i> , 2017, 9, 11574-11583.	2.8	96
14	Spontaneous Electroless Galvanic Cell Deposition of 3D Hierarchical and Interlaced S-MoS Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1604417.	11.1	16
15	Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie</i> , 2016, 128, 10482-10486.	1.6	30
16	Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10326-10330.	7.2	43
17	Design of a Metal Oxide-Organic Framework (MOF) Foam Microreactor: Solar-Induced Direct Pollutant Degradation and Hydrogen Generation. <i>Advanced Materials</i> , 2015, 27, 7713-7719.	11.1	86
18	Self-Biased Hybrid Piezoelectric-Photoelectrochemical Cell with Photocatalytic Functionalities. <i>ACS Nano</i> , 2015, 9, 7661-7670.	7.3	105

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19	Highly flexible solution processable heterostructured zinc oxide nanowires mesh for environmental clean-up applications. RSC Advances, 2014, 4, 27481-27487.	1.7	23