

Dongtang Zhang

List of Publications by Year in descending order

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29
papers

1,312
citations

623734

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477307

29
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all docs

30
docs citations

30
times ranked

2495
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-field dielectric scattering promotes optical absorption by platinum nanoparticles. <i>Nature Photonics</i> , 2016, 10, 473-482.	31.4	298
2	Enabling Colloidal Synthesis of Edge-Oriented MoS ₂ with Expanded Interlayer Spacing for Enhanced HER Catalysis. <i>Nano Letters</i> , 2017, 17, 1963-1969.	9.1	225
3	Ruthenium Oxide-Coated Sodium Vanadium Fluorophosphate Nanowires as High-Power Cathode Materials for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6452-6456.	13.8	132
4	One-Step, Facile and Ultrafast Synthesis of Phase- and Size-Controlled Pt-Bi Intermetallic Nanocatalysts through Continuous-Flow Microfluidics. <i>Journal of the American Chemical Society</i> , 2015, 137, 6263-6269.	13.7	90
5	Microfluidic Synthesis Enables Dense and Uniform Loading of Surfactant-Free PtSn Nanocrystals on Carbon Supports for Enhanced Ethanol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4952-4956.	13.8	73
6	Hierarchical Ru-doped sodium vanadium fluorophosphates hollow microspheres as a cathode of enhanced superior rate capability and ultralong stability for sodium-ion batteries. <i>Nano Energy</i> , 2017, 31, 64-73.	16.0	70
7	Revealing mechanism responsible for structural reversibility of single-crystal VO ₂ nanorods upon lithiation/delithiation. <i>Nano Energy</i> , 2017, 36, 197-205.	16.0	65
8	Quantifying Electrocatalytic Reduction of CO ₂ on Twin Boundaries. <i>CheM</i> , 2020, 6, 3007-3021.	11.7	41
9	A carbon-supported BiSn nanoparticles based novel sensor for sensitive electrochemical determination of Cd (II) ions. <i>Talanta</i> , 2019, 202, 27-33.	5.5	30
10	Quantitatively in Situ Imaging Silver Nanowire Hollowing Kinetics. <i>Nano Letters</i> , 2016, 16, 6555-6559.	9.1	25
11	Single-cell metabolite analysis by electrospray ionization mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116351.	11.4	25
12	Single-atom Au catalyst loaded on CeO ₂ : A novel single-atom nanozyme electrochemical H ₂ O ₂ sensor. <i>Talanta Open</i> , 2021, 4, 100075.	3.7	19
13	Three-electron reversible redox for a high-energy fluorophosphate cathode: Na ₃ V ₂ O ₂ (PO ₄) ₂ F. <i>Chemical Communications</i> , 2019, 55, 3979-3982.	4.1	18
14	Directionally assembled MoS ₂ with significantly expanded interlayer spacing: a superior anode material for high-rate lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1441-1448.	5.9	12
15	Microfluidics revealing formation mechanism of intermetallic nanocrystals. <i>Nano Energy</i> , 2020, 70, 104565.	16.0	12
16	Visual and real-time imaging focusing for highly sensitive laser-induced fluorescence detection at yoctomole levels in nanocapillaries. <i>Chemical Communications</i> , 2020, 56, 2423-2426.	4.1	12
17	A scalable synthesis of ternary nanocatalysts for a high-efficiency electrooxidation catalysis by microfluidics. <i>Nanoscale</i> , 2020, 12, 12647-12654.	5.6	11
18	Continuous-flow rapid and controllable microfluidic synthesis of sodium vanadium fluorophosphate as a cathode material. <i>Applied Materials Today</i> , 2021, 23, 101032.	4.3	11

#	ARTICLE	IF	CITATIONS
19	Synthesis and characterization of a novel binuclear iron phthalocyanine/reduced graphene oxide nanocomposite for non-precious electrocatalyst for oxygen reduction. <i>Science China Chemistry</i> , 2016, 59, 746-751.	8.2	10
20	Determination of Nanoplastics Using a Novel Contactless Conductivity Detector with Controllable Geometric Parameters. <i>Analytical Chemistry</i> , 2022, 94, 1552-1558.	6.5	10
21	Synthesis of PtAu Alloy Nanocrystals in Micelle Nanoreactors Enabled by Flash Heating and Cooling. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700413.	2.3	9
22	In-tube solid-phase microextraction capillary column packed with mesoporous TiO ₂ nanoparticles for phosphopeptide analysis. <i>Electrophoresis</i> , 2019, 40, 2142-2148.	2.4	8
23	Visually precise, low-damage, single-cell spatial manipulation with single-pixel resolution. <i>Chemical Science</i> , 2021, 12, 4111-4118.	7.4	7
24	Silica-Based Nanopipettes for Rapid Living Single-Cell Transfection. <i>ACS Applied Nano Materials</i> , 2021, 4, 6956-6963.	5.0	4
25	Microfluidic Synthesis Enables Dense and Uniform Loading of Surfactant-Free PtSn Nanocrystals on Carbon Supports for Enhanced Ethanol Oxidation. <i>Angewandte Chemie</i> , 2016, 128, 5036-5040.	2.0	3
26	Extension of hydrodynamic chromatography to DNA fragment sizing and quantitation. <i>Heliyon</i> , 2021, 7, e07904.	3.2	2
27	Displacement Reaction-Assisted Synthesis of Sub-Nanometer Pt/Bi Boost Methanol-Tolerant Fuel Cells. <i>Nanomaterials</i> , 2022, 12, 1301.	4.1	2
28	Evaluation of the effect of nitrate and chloride on Cd(II)-induced cell oxidative stress by scanning electrochemical microscopy. <i>Analytical Methods</i> , 2022, 14, 2673-2681.	2.7	2
29	Poly(acrylic acid) enabling the synthesis of highly uniform silica nanoparticles of sub-100 nm. <i>ChemNanoMat</i> , 0, , .	2.8	1