Dongtang Zhang

List of Publications by Year
in descending order

29 papers	1,312 citations	623734 14 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	2495 citing authors

#	Article	IF	Citations
1	Determination of Nanoplastics Using a Novel Contactless Conductivity Detector with Controllable Geometric Parameters. Analytical Chemistry, 2022, 94, 1552-1558.	6.5	10
2	Displacement Reaction-Assisted Synthesis of Sub-Nanometer Pt/Bi Boost Methanol-Tolerant Fuel Cells. Nanomaterials, 2022, 12, 1301.	4.1	2
3	Evaluation of the effect of nitrate and chloride on Cd(<scp>ii</scp>)-induced cell oxidative stress by scanning electrochemical microscopy. Analytical Methods, 2022, 14, 2673-2681.	2.7	2
4	Visually precise, low-damage, single-cell spatial manipulation with single-pixel resolution. Chemical Science, 2021, 12, 4111-4118.	7.4	7
5	Continuous-flow rapid and controllable microfluidic synthesis of sodium vanadium fluorophosphate as a cathode material. Applied Materials Today, 2021, 23, 101032.	4.3	11
6	Silica-Based Nanopipettes for Rapid Living Single-Cell Transfection. ACS Applied Nano Materials, 2021, 4, 6956-6963.	5.0	4
7	Extension of hydrodynamic chromatography to DNA fragment sizing and quantitation. Heliyon, 2021, 7, e07904.	3.2	2
8	Single-cell metabolite analysis by electrospray ionization mass spectrometry. TrAC - Trends in Analytical Chemistry, 2021, 143, 116351.	11.4	25
9	Single-atom Au catalyst loaded on CeO2: A novel single-atom nanozyme electrochemical H2O2 sensor. Talanta Open, 2021, 4, 100075.	3.7	19
10	Quantifying Electrocatalytic Reduction of CO2 on Twin Boundaries. CheM, 2020, 6, 3007-3021.	11.7	41
11	A scalable synthesis of ternary nanocatalysts for a high-efficiency electrooxidation catalysis by microfluidics. Nanoscale, 2020, 12, 12647-12654.	5.6	11
12	Microfluidics revealing formation mechanism of intermetallic nanocrystals. Nano Energy, 2020, 70, 104565.	16.0	12
13	Visual and real-time imaging focusing for highly sensitive laser-induced fluorescence detection at yoctomole levels in nanocapillaries. Chemical Communications, 2020, 56, 2423-2426.	4.1	12
14	A carbon-supported BiSn nanoparticles based novel sensor for sensitive electrochemical determination of Cd (II) ions. Talanta, 2019, 202, 27-33.	5.5	30
15	Inâ€tube solidâ€phase microextraction capillary column packed with mesoporous TiO₂ nanoparticles for phosphopeptide analysis. Electrophoresis, 2019, 40, 2142-2148.	2.4	8
16	Three-electron reversible redox for a high-energy fluorophosphate cathode: Na₃V₂O₂(PO₄)₂F. Chemical Communications, 2019, 55, 3979-3982.	4.1	18
17	Directionally assembled MoS₂with significantly expanded interlayer spacing: a superior anode material for high-rate lithium-ion batteries. Materials Chemistry Frontiers, 2018, 2, 1441-1448.	5.9	12
18	Synthesis of PtAu Alloy Nanocrystals in Micelle Nanoreactors Enabled by Flash Heating and Cooling. Particle and Particle Systems Characterization, 2018, 35, 1700413.	2.3	9

#	Article	IF	Citations
19	Enabling Colloidal Synthesis of Edge-Oriented MoS₂ with Expanded Interlayer Spacing for Enhanced HER Catalysis. Nano Letters, 2017, 17, 1963-1969.	9.1	225
20	Revealing mechanism responsible for structural reversibility of single-crystal VO2 nanorods upon lithiation/delithiation. Nano Energy, 2017, 36, 197-205.	16.0	65
21	Hierarchical Ru-doped sodium vanadium fluorophosphates hollow microspheres as a cathode of enhanced superior rate capability and ultralong stability for sodium-ion batteries. Nano Energy, 2017, 31, 64-73.	16.0	70
22	Microfluidic Synthesis Enables Dense and Uniform Loading of Surfactantâ€Free PtSn Nanocrystals on Carbon Supports for Enhanced Ethanol Oxidation. Angewandte Chemie - International Edition, 2016, 55, 4952-4956.	13.8	73
23	Synthesis and characterization of a novel binuclear iron phthalocyanine/reduced graphene oxide nanocomposite for non-precious electrocatalyst for oxygen reduction. Science China Chemistry, 2016, 59, 746-751.	8.2	10
24	Near-field dielectric scattering promotes optical absorption by platinum nanoparticles. Nature Photonics, 2016, 10, 473-482.	31.4	298
25	Quantitatively in Situ Imaging Silver Nanowire Hollowing Kinetics. Nano Letters, 2016, 16, 6555-6559.	9.1	25
26	Microfluidic Synthesis Enables Dense and Uniform Loading of Surfactantâ€Free PtSn Nanocrystals on Carbon Supports for Enhanced Ethanol Oxidation. Angewandte Chemie, 2016, 128, 5036-5040.	2.0	3
27	One-Step, Facile and Ultrafast Synthesis of Phase- and Size-Controlled Ptâ€“Bi Intermetallic Nanocatalysts through Continuous-Flow Microfluidics. Journal of the American Chemical Society, 2015, 137, 6263-6269.	13.7	90
28	Rutheniumâ€Oxideâ€Coated Sodium Vanadium Fluorophosphate Nanowires as Highâ€Power Cathode Materials for Sodiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 6452-6456.	13.8	132
29	Poly(acrylic acid) enabling the synthesis of highly uniform silica nanoparticles of subâ€100 nm. ChemNanoMat, 0, , .	2.8	1