

# Shuo Tao

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

602  
citations

516710

16  
h-index

610901

24  
g-index

31  
all docs

31  
docs citations

31  
times ranked

690  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly mesoporous SAPO-11 molecular sieves with tunable acidity: facile synthesis, formation mechanism and catalytic performance in hydroisomerization of <i>n</i> -dodecane. <i>Catalysis Science and Technology</i> , 2017, 7, 5775-5784.	4.1	57
2	Inhibition of Zinc Dendrites in Zinc-Based Flow Batteries. <i>Frontiers in Chemistry</i> , 2020, 8, 557.	3.6	49
3	A novel near-infrared fluorescent probe for detecting intracellular alkaline phosphatase and imaging of living cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1284-1291.	5.8	47
4	A novel and simple fluorescent sensor based on AgInZnS QDs for the detection of protamine and trypsin and imaging of cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 263-269.	7.8	45
5	A Mn-doped ZnS quantum dots-based ratiometric fluorescence probe for lead ion detection and off-on strategy for methyl parathion detection. <i>Talanta</i> , 2019, 204, 13-19.	5.5	39
6	Facile Synthesis of Hierarchical Nanosized Single-Crystal Aluminophosphate Molecular Sieves from Highly Homogeneous and Concentrated Precursors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3455-3459.	13.8	36
7	A long-life hybrid zinc flow battery achieved by dual redox couples at cathode. <i>Nano Energy</i> , 2019, 63, 103822.	16.0	34
8	Solid-phase microextraction of triazine herbicides via cellulose paper coated with a metal-organic framework of type MIL-101(Cr), and their quantitation by HPLC-MS. <i>Mikrochimica Acta</i> , 2019, 186, 742.	5.0	33
9	MIL-101(Cr)/MWCNTs-functionalized melamine sponges for solid-phase extraction of triazines from corn samples, and their subsequent determination by HPLC-MS/MS. <i>Talanta</i> , 2020, 211, 120676.	5.5	28
10	Ionothermal synthesis of zeolitic imidazolate frameworks and the synthesis dissolution-crystallization mechanism. <i>Chinese Journal of Catalysis</i> , 2015, 36, 855-865.	14.0	22
11	Confined-space synthesis of hierarchical MgAPO-11 molecular sieves with good hydroisomerization performance. <i>Microporous and Mesoporous Materials</i> , 2018, 262, 182-190.	4.4	22
12	In situ growing catalytic sites on 3D carbon fiber paper as self-standing bifunctional air electrodes for air-based flow batteries. <i>Nano Energy</i> , 2019, 63, 103897.	16.0	22
13	Ir nanoclusters/porous N-doped carbon as a bifunctional electrocatalyst for hydrogen evolution and hydrazine oxidation reactions. <i>Chemical Communications</i> , 2022, 58, 2347-2350.	4.1	22
14	Development of a novel acidic task-specific ionic liquid-based effervescence-assisted microextraction method for determination of triazine herbicides in tea beverage. <i>Talanta</i> , 2020, 208, 120414.	5.5	20
15	Ionothermal synthesis of LTA-type aluminophosphate molecular sieve membranes with gas separation performance. <i>Microporous and Mesoporous Materials</i> , 2016, 228, 45-53.	4.4	18
16	Improving the Critical Temperature of MgB <sub>2</sub> Superconducting Metamaterials Induced by Electroluminescence. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1159-1162.	1.8	17
17	Critical Temperature of Smart Meta-superconducting MgB <sub>2</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1405-1411.	1.8	17
18	Ionothermal synthesis of a CHA-type aluminophosphate molecular sieve membrane and its formation mechanism. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 54-62.	4.4	11

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19	Packed hybrids of gold nanoparticles and halloysite nanotubes for dispersive solid phase extraction of triazine herbicides, and their subsequent determination by HPLC. <i>Mikrochimica Acta</i> , 2019, 186, 489.	5.0	11
20	Facile preparation and fluorescence enhancement of mesoporous Eu-doped-Y <sub>2</sub> O <sub>3</sub> phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 5970-5974.	2.2	10
21	Synthesis of discrete aluminophosphate $\alpha$ -CLO nanocrystals in a eutectic mixture. <i>Journal of Colloid and Interface Science</i> , 2015, 451, 117-124.	9.4	9
22	Deoxygenation of stearic acids using alkaline treated beta molecular sieves assisted by microwave irradiation. <i>Catalysis Science and Technology</i> , 2021, 11, 4812-4822.	4.1	7
23	Tetraalkylammonium hydroxide-assisted ionothermal synthesis and characterization of LTA-type aluminophosphate zeotypes with high structural stability after detemplation and hydration. <i>New Journal of Chemistry</i> , 2018, 42, 15453-15459.	2.8	6
24	One-step synthesis of honeycomb-like AlPO <sub>4</sub> -11 macrostructures based on epitaxial growth and phase transformation mechanisms. <i>Chemical Communications</i> , 2016, 52, 2253-2256.	4.1	4
25	Ionothermal synthesis, physicochemical characterization and catalytic performance of extra-large-pore silicoaluminophosphate zeotype with $\alpha$ -CLO structure. <i>Journal of Porous Materials</i> , 2021, 28, 1585-1594.	2.6	4
26	<i>In situ</i> Synthesis of ZIF-8 Membranes with Gas Separation Performance in a Deep Eutectic Solvent. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2016, 32, 1495-1500.	4.9	4
27	Ultrafast synthesis of discrete submicron AlPO <sub>4</sub> -LTA molecular sieve crystals and their application in molecular sieve membrane. <i>Microporous and Mesoporous Materials</i> , 2022, 334, 111771.	4.4	4
28	Facile Synthesis of Hierarchical Nanosized Single-Crystal Aluminophosphate Molecular Sieves from Highly Homogeneous and Concentrated Precursors. <i>Angewandte Chemie</i> , 2020, 132, 3483-3487.	2.0	2
29	Direct Synthesis of An Aluminosilicate POS Zeolite with Intersecting 12 $\text{\AA}$ –11 $\text{\AA}$ –11 $\text{\AA}$ Member Ring Pore Channels by Using a Designed Organic Structure as Directing Agent. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	1
30	Innenr $\frac{1}{4}$ cktitelbild: Facile Synthesis of Hierarchical Nanosized Single-Crystal Aluminophosphate Molecular Sieves from Highly Homogeneous and Concentrated Precursors ( <i>Angew. Chem.</i> 9/2020). <i>Angewandte Chemie</i> , 2020, 132, 3775-3775.	2.0	0