Zilong Tang

List of Publications by Year in descending order

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57	2,244	212478	242451
papers	citations	28 h-index	47 g-index

59	59	59	3873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insight into the solid-liquid electrolyte interphase between Li6.4La3Zr1.4Ta0.6O12 and LiPF6-based liquid electrolyte. Applied Surface Science, 2022, 575, 151638.	3.1	15
2	Conductometric NO2 gas sensors based on MOF-derived porous ZnO nanoparticles. Sensors and Actuators B: Chemical, 2022, 357, 131384.	4.0	55
3	Storage of Garnet Solid Electrolytes: Insights into Air Stability and Surface Chemistry. ACS Applied Energy Materials, 2022, 5, 5108-5116.	2.5	10
4	Simultaneous Incorporation of V and Mn Element into Polyanionic NASICON for High Energyâ€Density and Longâ€Lifespan Znâ€Ion Storage. Advanced Energy Materials, 2022, 12, .	10.2	53
5	Coarse-grained reduced Mo Ti1â^'Nb2O7+ anodes for high-rate lithium-ion batteries. Energy Storage Materials, 2021, 34, 574-581.	9.5	13
6	Enhanced lithium storage performance of porous Si/C composite anodes using a recrystallized NaCl template. Dalton Transactions, 2021, 50, 2815-2823.	1.6	4
7	Room-Temperature Hydrogen-Sensing Capabilities of Pt-SnO2 and Pt-ZnO Composite Nanoceramics Occur via Two Different Mechanisms. Nanomaterials, 2021, 11, 504.	1.9	6
8	Highlyâ€Dispersed Submicrometer Singleâ€Crystal Nickelâ€Rich Layered Cathode: Spray Synthesis and Accelerated Lithiumâ€Ion Transport. Small, 2021, 17, e2006869.	5.2	68
9	Stable Li⁺/Na⁺ Batteries with Anodes Boosted by Hollow Tubular-Structured MoS₂ Nanosheet/N-Doped Carbon Nanosheet Composites. ACS Applied Nano Materials, 2021, 4, 10257-10266.	2.4	6
10	Alleviated Mn²⁺ dissolution drives long-term cycling stability in ultrafine Mn₃O₄/PPy coreâ“shell nanodots for zinc-ion batteries. Journal of Materials Chemistry A, 2021, 9, 27380-27389.	5.2	14
11	Glassâ€Ceramicâ€Like Vanadate Cathodes for Highâ€Rate Lithiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 1903411.	10.2	18
12	Visible light assisted room-temperature NO2 gas sensor based on hollow SnO2@SnS2 nanostructures. Sensors and Actuators B: Chemical, 2020, 324, 128754.	4.0	93
13	Conversionâ€Type MnO Nanorods as a Surprisingly Stable Anode Framework for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 2001026.	7.8	27
14	Nanowires-assembled WO3 nanomesh for fast detection of ppb-level NO2 at low temperature. Journal of Advanced Ceramics, 2020, 9, 17-26.	8.9	37
15	Facile synthesis of CTAB assisted hierarchical-structure TiO2@SnO2 for lithium storage. Solid State Sciences, 2020, 100, 106114.	1.5	3
16	Hierarchical-structure anatase TiO2 with conductive network for high-rate and high-loading lithium-ion battery. Science Bulletin, 2019, 64, 1148-1151.	4.3	22
17	A multi-shelled V₂O₃/C composite with an overall coupled carbon scaffold enabling ultrafast and stable lithium/sodium storage. Journal of Materials Chemistry A, 2019, 7, 19234-19240.	5.2	45
18	MoS₂â€Coupled Carbon Nanosheets Encapsulated on Sodium Titanate Nanowires as Superâ€Durable Anode Material for Sodiumâ€Ion Batteries. Advanced Science, 2019, 6, 1900028.	5.6	49

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19	Recent progress in Ti-based nanocomposite anodes for lithium ion batteries. Journal of Advanced Ceramics, 2019, 8, 1-18.	8.9	101
20	Facile synthesis of a hierarchical manganese oxide hydrate for superior lithium-ion battery anode. Ionics, 2019, 25, 3577-3586.	1.2	4
21	Facile access to shape-controlled growth of WS ₂ monolayer via environment-friendly method. 2D Materials, 2019, 6, 015007.	2.0	18
22	Thermal convection induced TiO₂ microclews as superior electrode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 11688-11693.	5.2	38
23	Nanoplates-assembled SnS2 nanoflowers for ultrasensitive ppb-level NO2 detection. Sensors and Actuators B: Chemical, 2018, 273, 473-479.	4.0	61
24	Rational Design of Hierarchical TiO₂/Epitaxially Aligned MoS₂â€“Carbon Coupled Interface Nanosheets Core/Shell Architecture for Ultrastable Sodiumâ€ion and Lithiumâ€“Sulfur Batteries. Small Methods, 2018, 2, 1800119.	4.6	49
25	Preparation and Extraordinary Room-Temperature CO Sensing Capabilities of Pdâ€“SnO₂ Composite Nanoceramics. Journal of Nanoscience and Nanotechnology, 2018, 18, 4176-4181.	0.9	12
26	High-performance carbon-coated mesoporous LiMn₂O₄ cathode materials synthesized from a novel hydrated layered-spinel lithium manganate composite. RSC Advances, 2017, 7, 3746-3751.	1.7	26
27	Li₄Ti₅O₁₂â€“TiO₂/MoO₂ nanoclusters-embedded into carbon nanosheets core/shell porous superstructures boost lithium ion storage. Journal of Materials Chemistry A, 2017, 5, 12096-12102.	5.2	28
28	Ti3+-free three-phase Li4Ti5O12/TiO2 for high-rate lithium ion batteries: Capacity and conductivity enhancement by phase boundaries. Nano Energy, 2017, 32, 294-301.	8.2	110
29	Lithium titanate hydrates with superfast and stable cycling in lithium ion batteries. Nature Communications, 2017, 8, 627.	5.8	110
30	Melem: an efficient metal-free luminescent material. Journal of Materials Chemistry C, 2017, 5, 10746-10753.	2.7	61
31	A thin multifunctional coating on a separator improves the cyclability and safety of lithium sulfur batteries. Chemical Science, 2017, 8, 6619-6625.	3.7	94
32	Large spin-orbit splitting in the conduction band of halogen (F, Cl, Br, and I) doped monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> with spin-orbit coupling. Physical Review B, 2017, 96, .	1.1	38
33	Efficient Lithium-Ion Storage by Hierarchical Coreâ€“Shell TiO₂ Nanowires Decorated with MoO₂ Quantum Dots Encapsulated in Carbon Nanosheets. ACS Applied Materials & Interfaces, 2017, 9, 23741-23747.	4.0	30
34	Contrasting room-temperature hydrogen sensing capabilities of Pt-SnO2 and Pt-TiO2 composite nanoceramics. Nano Research, 2016, 9, 3528-3535.	5.8	22
35	Nitrogen-doped carbon coated Li₄Ti₅O₁₂â€“TiO₂/Sn nanowires and their enhanced electrochemical properties for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 12714-12719.	5.2	28
36	Facile preparation of free-standing rGO paper-based Niâ€“Mn LDH/graphene superlattice composites as a pseudocapacitive electrode. Chemical Communications, 2016, 52, 3694-3696.	2.2	53

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37	Controlled Synthesis of Hollow Coâ€“Mo Mixed Oxide Nanostructures and Their Electrocatalytic and Lithium Storage Properties. Chemistry of Materials, 2016, 28, 2417-2423.	3.2	104
38	White Light Phosphors: A Nonrare-Earth Ions Self-Activated White Emitting Phosphor under Single Excitation (Adv. Funct. Mater. 44/2015). Advanced Functional Materials, 2015, 25, 6826-6826.	7.8	3
39	A Nonâ€rareâ€Earth Ions Selfâ€Activated White Emitting Phosphor under Single Excitation. Advanced Functional Materials, 2015, 25, 6833-6838.	7.8	48
40	Facile and generalized encapsulations of inorganic nanocrystals with nitrogen-doped carbonaceous coating for multifunctionality. Nanoscale, 2015, 7, 3254-3262.	2.8	10
41	Enhanced electrochemical properties of LiMnPO4/C composites by tailoring polydopamine-derived carbon coating. Electrochimica Acta, 2015, 176, 369-377.	2.6	27
42	High-performance LiMnPO₄ nanorods synthesized via a facile EG-assisted solvothermal approach. Journal of Materials Chemistry A, 2015, 3, 10267-10274.	5.2	40
43	Exposed facet and crystal phase tuning of hierarchical tungsten oxide nanostructures and their enhanced visible-light-driven photocatalytic performance. CrystEngComm, 2015, 17, 9102-9110.	1.3	40
44	Gas sensing capabilities of TiO2 porous nanoceramics prepared through premature sintering. Journal of Advanced Ceramics, 2015, 4, 152-157.	8.9	15
45	Nanosheet-assembled MoSe₂ and S-doped MoSe_{2â”x} nanostructures for superior lithium storage properties and hydrogen evolution reactions. Inorganic Chemistry Frontiers, 2015, 2, 931-937.	3.0	72
46	Ultrafine metatitanic acid electrode for ultrafast lithium ion batteries. Electrochimica Acta, 2011, 56, 6330-6335.	2.6	7
47	Preparation of Zirconia Base Solid Solution Nanopowder by Exothermal Solid-State Synthesis. Journal of the American Ceramic Society, 2005, 88, 1651-1654.	1.9	2
48	Layered Hydrogen Titanate Nanowires with Novel Lithium Intercalation Properties. Chemistry of Materials, 2005, 17, 5848-5855.	3.2	132
49	The Microstructure and Electrical Behavior of TiO2 Varistors Processed by Magnetized Water. Journal of Electroceramics, 2004, 13, 751-757.	0.8	3
50	Anomalous luminescence in Sr4Al14O25:Eu, Dy phosphors. Applied Physics Letters, 2002, 81, 996-998.	1.5	168
51	Synthesis and Characterization of (Ce_{0.67}Tb_{0.33})Mn_xMg_{1â”x}Al₁₁O₁₉ Phosphors Derived by Solâ€“Gel Processing. Journal of the American Ceramic Society, 2002, 85, 998-1000.	1.9	5
52	Differences between Zirconium Hydroxide (Zr(OH)₄Â·nH₂O) and Hydrous Zirconia (ZrO₂Â·nH₂O). Journal of the American Ceramic Society, 2001, 84, 1637-1638.	1.9	82
53	Ionic conductivity in the ternary system (ZrO2)1â”0.08xâ”0.12yâ€“(Y2O3)0.08xâ€“(CaO)0.12y. Journal of Materials Science, 2000, 35, 3547-3551.	1.7	13
54	Preparation of Nanometer Zinc Oxide Powders by Plasma Pyrolysis Technology and Their Applications. Journal of the American Ceramic Society, 2000, 83, 2869-2871.	1.9	19

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55	ac Impedance Study of Zirconia Doped with Yttria and Calcia. Journal of the American Ceramic Society, 2000, 83, 648-650.	1.9	24
56	Title is missing!. Journal of Materials Science, 1999, 34, 5051-5054.	1.7	3
57	Influence of CaO-SiO2-P2O5 based bioglass on zirconia toughened hydroxyapatite. Journal of Materials Science Letters, 1999, 18, 1815-1816.	0.5	5