

Su-Yuan Zeng

List of Publications by Year in descending order

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96
papers

2,525
citations

172457

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223800

46
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docs citations

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3253
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#	ARTICLE	IF	CITATIONS
1	Solid-State Fabrication of Co ₃ V ₂ O ₈ @C Anode Materials with Outstanding Rate Performance and Cycling Stability by Synergistic Effects of Pseudocapacity and Carbon Coating. <i>Journal of Physical Chemistry C</i> , 2022, 126, 903-911.	3.1	5
2	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
3	Bifunctional Cobalt-Doped ZnIn ₂ S ₄ Hierarchical Nanotubes Endow Noble-Metal Cocatalyst-Free Photocatalytic H ₂ Production Coupled with Benzyl Alcohol Oxidation. <i>Solar Rrl</i> , 2022, 6, .	5.8	11
4	SnO ₂ Anchored in S and N Co-Doped Carbon as the Anode for Long-Life Lithium-Ion Batteries. <i>Nanomaterials</i> , 2022, 12, 700.	4.1	6
5	Niobium Diboride Nanoparticles Accelerating Polysulfide Conversion and Directing Li ₂ S Nucleation Enabled High Areal Capacity Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2022, 16, 4947-4960.	14.6	88
6	NASICON-Structured LiZr ₂ (PO ₄) ₃ Surface Modification Improves Ionic Conductivity and Structural Stability of LiCoO ₂ for a Stable 4.6 V Cathode. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16204-16213.	8.0	13
7	Suppressed Dissolution and Enhanced Desolvation in Core-Shell MoO ₃ @TiO ₂ Nanorods as a High-Rate and Long-Life Anode Material for Proton Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	44
8	Zeolitic Imidazolate Framework 67-Derived Ce-Doped CoP@N-Doped Carbon Hollow Polyhedron as High-Performance Anodes for Lithium-Ion Batteries. <i>Crystals</i> , 2022, 12, 533.	2.2	7
9	Electronic synergy to boost the performance of NiCoP-NWs@FeCoP-NSs anodes for flexible lithium-ion batteries. <i>Nanoscale</i> , 2022, 14, 8398-8408.	5.6	5
10	Study for the enhanced energy storage properties of ±-MoO ₃ microstructures in lithium ion batteries. <i>CrystEngComm</i> , 2022, 24, 4041-4048.	2.6	2
11	Integration of bio-inspired lanthanide-transition metal cluster and P-doped carbon nitride for efficient photocatalytic overall water splitting. <i>National Science Review</i> , 2021, 8, nwa234.	9.5	18
12	Shape-Induced Kinetics Enhancement in Layered P ₂ Na _{0.67} Ni _{0.33} Mn _{0.67} O ₂ Porous Microcuboids Enables High Energy/Power Sodium-Ion Full Battery. <i>Batteries and Supercaps</i> , 2021, 4, 456-463.	4.7	19
13	Phosphorus-doping-induced kinetics modulation for nitrogen-doped carbon mesoporous nanotubes as superior alkali metal anode beyond lithium for high-energy potassium-ion hybrid capacitors. <i>Nanoscale</i> , 2021, 13, 692-699.	5.6	46
14	Study for the preparation of Cu ²⁺ -doped twin spherical MnCO ₃ structure as an anode material for high-performance lithium-ion batteries. <i>CrystEngComm</i> , 2021, 23, 6486-6489.	2.6	2
15	A controlled synthesis of MnOOH nanorods via a facile hydrothermal method for high-performance Li-ion batteries. <i>CrystEngComm</i> , 2021, 23, 2376-2383.	2.6	6
16	Ring-forming transformation associated with hydrazone changes of hexadecanuclear dysprosium phosphonates. <i>Dalton Transactions</i> , 2021, 50, 1119-1125.	3.3	10
17	One-pot thermal decomposition of commercial organometallic salt to Fe ₂ O ₃ @C-N and MnO@C-N for lithium storage. <i>Dalton Transactions</i> , 2021, 50, 6867-6877.	3.3	1
18	Yolk-shell structured CoSe ₂ /C nanospheres as multifunctional anode materials for both full/half sodium-ion and full/half potassium-ion batteries. <i>Nanoscale</i> , 2021, 13, 10385-10392.	5.6	36

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19	Vanadium Substitution Steering Reaction Kinetics Acceleration for Ni ₃ N Nanosheets Endows Exceptionally Energy-Saving Hydrogen Evolution Coupled with Hydrazine Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 3881-3890.	8.0	46
20	Slow Magnetic Relaxation in a [Na ₂ Dy ₄] Complex and Coexistence of Multiple Metal Rings. European Journal of Inorganic Chemistry, 2021, 2021, 740-747.	2.0	1
21	Shape-Induced Kinetics Enhancement in Layered P ₂ N _{0.67} Ni _{0.33} Mn _{0.67} O ₂ Porous Microcuboids Enables High Energy/Power Sodium-Ion Full Battery. Batteries and Supercaps, 2021, 4, 388-388.	4.7	1
22	Dual-Functional Template-Induced <i>in Situ</i> Polymerization Process Enables the Hierarchical Carbonaceous Nanotubes with Simultaneous Sn Cluster Incorporation and Nitrogen-Doping for Superior Potassium-Ion Storage. ACS Applied Materials & Interfaces, 2021, 13, 13139-13148.	8.0	27
23	<i>In-situ</i> Nano-Crystallization and Solvation Modulation to Promote Highly Stable Anode Involving Alloy/Dealloy for Potassium Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, 15381-15389.	13.8	54
24	<i>In-situ</i> Nano-Crystallization and Solvation Modulation to Promote Highly Stable Anode Involving Alloy/Dealloy for Potassium Ion Batteries. Angewandte Chemie, 2021, 133, 15509-15517.	2.0	7
25	Regulating the Electronic Structure and Active Sites in Ni Nanoparticles by Coating N-Doped C Layer and Porous Structure for an Efficient Overall Water Splitting. Inorganic Chemistry, 2021, 60, 6764-6771.	4.0	13
26	Carbon-Decorated Na ₃ V ₂ (PO ₄) ₃ as Ultralong Lifespan Cathodes for High-Energy-Density Symmetric Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 25036-25043.	8.0	55
27	Frontispiz: <i>In-situ</i> Nano-Crystallization and Solvation Modulation to Promote Highly Stable Anode Involving Alloy/Dealloy for Potassium Ion Batteries. Angewandte Chemie, 2021, 133, .	2.0	0
28	Frontispiece: <i>In-situ</i> Nano-Crystallization and Solvation Modulation to Promote Highly Stable Anode Involving Alloy/Dealloy for Potassium Ion Batteries. Angewandte Chemie - International Edition, 2021, 60, .	13.8	1
29	Construction and electrochemical mechanism investigation of hierarchical core-shell like composite as high performance anode for potassium ion batteries. Nano Research, 2021, 14, 3552-3561.	10.4	21
30	Double Insurance of Continuous Band Structure and N-C Layer Induced Prolonging of Carrier Lifetime to Enhance the Long-Wavelength Visible-Light Catalytic Activity of N-Doped In ₂ O ₃ . Inorganic Chemistry, 2021, 60, 1160-1171.	4.0	11
31	Crystal structures and magnetic properties of one-dimensional compounds constructed from Mn ₂ (salen) ₂ building blocks and organic selenite acid ligands. New Journal of Chemistry, 2021, 45, 21599-21605.	2.8	7
32	Modulating the Charge-Transfer Step of a <i>p-n</i> Heterojunction with Nitrogen-Doped Carbon: A Promising Strategy To Improve Photocatalytic Performance. Chemistry - A European Journal, 2020, 26, 921-926.	3.3	15
33	Dual-Functional Template-Directed Synthesis of MoSe ₂ /Carbon Hybrid Nanotubes with Highly Disordered Layer Structures as Efficient Alkali-Ion Storage Anodes beyond Lithium. ACS Applied Materials & Interfaces, 2020, 12, 2390-2399.	8.0	41
34	Investigating the effect of lanthanide radius and diamagnetic linkers on the framework of metallacrown complexes. Dalton Transactions, 2020, 49, 1955-1962.	3.3	15
35	Ni ₂ P nanoparticle-incorporated reduced graphene oxide & carbon nanotubes to form flexible free-standing intertwining network film anodes for long-life sodium-ion storage. Journal of Materials Science, 2020, 55, 14491-14500.	3.7	5
36	Effects of Carbon Content and Current Density on the Li ⁺ Storage Performance for MnO@C Nanocomposite Derived from Mn-Based Complexes. Nanomaterials, 2020, 10, 1629.	4.1	7

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37	Ternary molybdenum sulfoselenide based hybrid nanotubes boost potassium-ion diffusion kinetics for high energy/power hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13946-13954.	10.3	46
38	Enhanced lithium storage performance of binary cooperative complementary CuO@Mn ₃ O ₄ nanocomposites directly synthesized by hydrothermally controlled method. <i>Journal of Alloys and Compounds</i> , 2020, 843, 156005.	5.5	12
39	A bell-like 15-metallacrown-5 complex from flexible H ₂ Glyha ligand: Synthesis, structure and field-induced slow magnetic relaxation. <i>Journal of Molecular Structure</i> , 2020, 1221, 128822.	3.6	5
40	Study on the Synthesis of Mn ₃ O ₄ Nanooctahedrons and Their Performance for Lithium Ion Batteries. <i>Nanomaterials</i> , 2020, 10, 367.	4.1	12
41	Slow magnetic relaxation in O@Se@O bridged manganese(iii) Schiff base complexes. <i>New Journal of Chemistry</i> , 2020, 44, 2408-2413.	2.8	15
42	Hollow CuS Nanoboxes as Li-Free Cathode for High-Rate and Long-Life Lithium Metal Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903401.	19.5	56
43	Engineering Cu/TiO ₂ @N-Doped C Interfaces Derived from an Atom-Precise Heterometallic Cu ^{II} Ti ^{IV} Cluster for Efficient Photocatalytic Hydrogen Evolution. <i>Inorganic Chemistry</i> , 2020, 59, 5456-5462.	4.0	25
44	Free-Standing Electrospun W-Doped BiVO ₄ Porous Nanotubes for the Efficient Photoelectrochemical Water Oxidation. <i>Frontiers in Chemistry</i> , 2020, 8, 311.	3.6	6
45	Engineering Migration Pathway for Effective Separation of Photogenerated Carriers on Multicomponent Heterojunctions Coated with Nitrogen-Doped Carbon. <i>Chemistry - A European Journal</i> , 2019, 25, 14133-14139.	3.3	15
46	Designed Formation of Hybrid Nanobox Composed of Carbon Sheathed CoSe ₂ Anchored on Nitrogen-Doped Carbon Skeleton as Ultrastable Anode for Sodium-Ion Batteries. <i>Small</i> , 2019, 15, e1902881.	10.0	79
47	The dual-function sacrificing template directed formation of MoS ₂ /C hybrid nanotubes enabling highly stable and ultrafast sodium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18828-18834.	10.3	47
48	Sodium-Ion Batteries: Designed Formation of Hybrid Nanobox Composed of Carbon Sheathed CoSe ₂ Anchored on Nitrogen-Doped Carbon Skeleton as Ultrastable Anode for Sodium-Ion Batteries (<i>Small</i> 42/2019). <i>Small</i> , 2019, 15, 1970227.	10.0	11
49	Double-Shelled Ni@Fe@P/N-Doped Carbon Nanobox Derived from a Prussian Blue Analogue as an Electrode Material for K-Ion Batteries and Li-S Batteries. <i>ACS Energy Letters</i> , 2019, 4, 1496-1504.	17.4	138
50	Influence of Pb doping on superconductivity of Î± -BiPd and Î² -Bi ₂ Pd alloys. <i>Materials Research Bulletin</i> , 2019, 112, 384-389.	5.2	1
51	Thermal decomposition followed by acid etching to synthesize Fe ₃ O ₄ @C for lithium storage. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 91-97.	2.2	1
52	A FeSe-based superconductor (C ₂ H ₈ N ₂) _x FeSe with only ethylenediamine intercalated. <i>Science China Materials</i> , 2018, 61, 977-984.	6.3	16
53	A New Family of Heterometallic LnIII[12-MCFellN(shi)-4] Complexes: Syntheses, Structures and Magnetic Properties. <i>Crystals</i> , 2018, 8, 229.	2.2	8
54	Improving the Performance of Micro-Silicon Anodes in Lithium-Ion Batteries with a Functional Carbon Nanotube Interlayer. <i>ChemElectroChem</i> , 2018, 5, 3143-3149.	3.4	11

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55	Hemiporphyrine-Involved Sandwich Dysprosium Double-Decker Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2018, 57, 12347-12353.	4.0	9
56	A Pentanuclear Cobalt Complex with two [Co ^{II} (CH ₃ O) ₃] ⁺ Units Wrapping a Triangular [Co ^{III} (CH ₃ O) ₇] ⁺ Core: Synthesis, Structure, and Magnetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 585-589.	1.2	2
57	Two Unprecedented POM-Based Inorganic-Organic Hybrids with Concomitant Heteropolytungstate and Molybdate. <i>Inorganic Chemistry</i> , 2017, 56, 2481-2489.	4.0	76
58	Self-assembly, structures, magnetic properties and solution behaviors of six mixed-valence cobalt clusters. <i>CrystEngComm</i> , 2017, 19, 5897-5906.	2.6	16
59	Enhancing the Adsorption Capacity of Hematite by Manganese Doping: Facile Synthesis and its Application in the Removal of Congo Red. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 1155-1162.	1.9	7
60	Mesoporous Fe ₂ O ₃ nanomaterials from natural rust for lithium storage. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 19098-19104.	2.2	7
61	Dysprosium Heteroleptic Corrole-Phthalocyanine Triple-Decker Complexes: Synthesis, Crystal Structure, and Electrochemical and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 11503-11512.	4.0	20
62	Unprecedented family of heterometallic Ln ^{III} [18-metallacrown-6] complexes: syntheses, structures, and magnetic properties. <i>Dalton Transactions</i> , 2017, 46, 13027-13034.	3.3	14
63	Novel Bake-in-Salt Method for the Synthesis of Mesoporous Mn ₃ O ₄ @C Networks with Superior Cycling Stability and Rate Performance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35163-35171.	8.0	35
64	Octanuclear Ni(ⁱⁱ) cubes based on halogen-substituted pyrazolates: synthesis, structure, electrochemistry and magnetism. <i>CrystEngComm</i> , 2016, 18, 3462-3471.	2.6	22
65	Facile Fabrication of Bi ₂ WO ₆ /Ag ₂ S Heterostructure with Enhanced Visible-Light-Driven Photocatalytic Performances. <i>Nanoscale Research Letters</i> , 2016, 11, 126.	5.7	51
66	HF-Free Synthesis of Nanoscale Metal-Organic Framework NMIL-100(Fe) as an Efficient Dye Adsorbent. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3368-3378.	6.7	128
67	Synthesis, crystal structure, DNA-binding and magnetism of copper 15-metallacrown-5 complexes based on glycinehydroxamic acid ligand. <i>RSC Advances</i> , 2016, 6, 47196-47202.	3.6	18
68	L-Cysteine-Assisted Synthesis of Urchin-Like ³⁺ MnS and Its Lithium Storage Properties. <i>Nanoscale Research Letters</i> , 2016, 11, 444.	5.7	28
69	Flower-like NiCo ₂ O ₄ Microstructures as Promising Anode Material for High Performance Lithium-Ion Batteries: Facile Synthesis and its Lithium Storage Properties. <i>ChemistrySelect</i> , 2016, 1, 5129-5136.	1.5	12
70	A Pyridazine-Bridged Sandwiched Cluster Incorporating Planar Hexanuclear Cobalt Ring and Bivacant Phosphotungstate. <i>Inorganic Chemistry</i> , 2016, 55, 9006-9011.	4.0	52
71	A Mixed Porphyrin-Schiff Base Dysprosium(III) Single-Molecule Magnet. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4194-4198.	2.0	12
72	Study on the morphology-controlled synthesis of MnCO ₃ materials and their enhanced electrochemical performance for lithium ion batteries. <i>CrystEngComm</i> , 2016, 18, 8072-8079.	2.6	49

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73	A New Potassium Intercalation Compound of $3R-Nb1.1S_2$ and its Superconducting Hydrated Derivative Synthesized via Soft Chemistry Strategy. <i>ChemistrySelect</i> , 2016, 1, 2610-2616.	1.5	3
74	Two New Dinuclear Metal Clusters (M ₂) (M = Ni and Co) Constructed from a Rare Multidentate Ligand Involving Addition Reaction for In Situ Ligand Synthesis. <i>Journal of Cluster Science</i> , 2016, 27, 1945-1952.	3.3	4
75	Structural, electrochemical and magnetic analyses of a new octanuclear $Mn^{III}_2Mn^{II}_6$ cluster with linked-defect cubane topology. <i>CrystEngComm</i> , 2016, 18, 1329-1336.	2.6	10
76	Mono-Disperse $CaWO_4$ Microsphere with Hierarchical Structures: Room Temperature Synthesis and its Optical Properties. <i>Nano</i> , 2016, 11, 1650039.	1.0	2
77	Enhanced photocatalytic performance in Bi_2WO_6/SnS heterostructures: Facile synthesis, influencing factors and mechanism of the photocatalytic process. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 388-399.	9.4	71
78	A Family of 12-Azametallacrown-4 Structural Motif with Heterometallic $Mn^{III}_2LnMn^{III}_2Ln$ (Ln = Dy, Er, Yb, Tb, Y) Alternate Arrangement and Single-Molecule Magnet Behavior. <i>Chemistry - A European Journal</i> , 2015, 21, 14478-14485.	3.3	22
79	Solvent dependent reactivities of di-, tetra- and hexanuclear manganese complexes: syntheses, structures and magnetic properties. <i>Dalton Transactions</i> , 2015, 44, 6620-6629.	3.3	23
80	Peripheral Substitution: An Easy Way to Tuning the Magnetic Behavior of Tetrakis(phthalocyaninato) Dysprosium(III) SMMs. <i>Scientific Reports</i> , 2015, 5, 8838.	3.3	22
81	Enhanced visible-light-driven photocatalytic performances using Bi_2WO_6/MS (M = Cd, Zn) heterostructures: facile synthesis and photocatalytic mechanisms. <i>RSC Advances</i> , 2015, 5, 41949-41960.	3.6	31
82	Synthesis, structural versatility and magnetic properties of a series of copper coordination polymers based on bipyrazole and various dicarboxylate ligands. <i>CrystEngComm</i> , 2015, 17, 1405-1415.	2.6	25
83	A facile in situ reduction route for preparation of spinel $CoCr_2O_4$ polycrystalline nanosheets and their magnetic properties. <i>CrystEngComm</i> , 2014, 16, 277-286.	2.6	21
84	Preparation and magnetic and microwave absorption properties of $MnNb_2O_6$ ellipsoid-like hierarchical structures. <i>CrystEngComm</i> , 2014, 16, 7949-7955.	2.6	14
85	Magneto-chiral dichroism in chiral mixed (phthalocyaninato)(porphyrinato) rare earth triple-decker SMMs. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 167.	6.0	74
86	Kinetically controlled synthesis of bismuth tungstate with different structures by a NH_4F assisted hydrothermal method and surface-dependent photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 236-245.	9.4	36
87	The ferromagnetic-antiferromagnetic properties of $NiCr_2O_3$ composite hollow spheres prepared by an in situ reduction method. <i>CrystEngComm</i> , 2014, 16, 1322-1333.	2.6	12
88	General synthesis of rare-earth orthochromites with quasi-hollow nanostructures and their magnetic properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11982.	10.3	64
89	Family of Mixed 3d-4f Dimeric 14-Metallacrown-5 Compounds: Syntheses, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2013, 52, 10747-10755.	4.0	89
90	$6,6$ -Diethoxy-2,2-[4-methyl-1,2-phenylenebis(nitrilomethanylylidene)]diphenol acetonitrile monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1714-o1714.	0.2	0

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91	Solvent directed fabrication of Bi ₂ WO ₆ nanostructures with different morphologies: Synthesis and their shape-dependent photocatalytic properties. <i>Materials Research Bulletin</i> , 2012, 47, 2623-2630.	5.2	42
92	Synthesis, Characterization and Crystal Structure of N,N'-di[(E)-1-(2-hydroxyphenyl)methylidene]-2,6-naphthalenedicarbohydrazide. <i>Journal of Chemical Crystallography</i> , 2012, 42, 271-275.	1.1	3
93	A Novel 9-MC-3 and 15-MC-6 Onset Stacked Metallacrown Single-Molecule Magnet: Synthesis and Crystal Structure. <i>Inorganic Chemistry</i> , 2011, 50, 2705-2707.	4.0	41
94	N'-[1-(4-Chlorophenyl)ethylidene]benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3043-o3043.	0.2	0
95	Controlled synthesis of γ -Fe ₂ O ₃ nanorods and its size-dependent optical absorption, electrochemical, and magnetic properties. <i>Journal of Colloid and Interface Science</i> , 2007, 312, 513-521.	9.4	114
96	3D flower-like Y ₂ O ₃ :Eu ³⁺ nanostructures: Template-free synthesis and its luminescence properties. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 921-929.	9.4	67