

# Shuang Yuan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7843014/publications.pdf>

Version: 2024-02-01

56  
papers

4,581  
citations

236925  
25  
h-index

155660  
55  
g-index

56  
all docs

56  
docs citations

56  
times ranked

7086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic-Framework-Derived Cobalt nanoparticles encapsulated in Nitrogen-Doped carbon nanotubes on Ni foam integrated Electrode: Highly electroactive and durable catalysts for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 38-46.	9.4	23
2	The anti-tumor effect of OP-B on ovarian cancer in vitro and in vivo, and its mechanism: An investigation using network pharmacology-based analysis. <i>Journal of Ethnopharmacology</i> , 2022, 283, 114706.	4.1	6
3	Effects of isomalt on the quality of wheat flour dough and spicy wheat gluten sticks. <i>International Journal of Food Science and Technology</i> , 2022, 57, 2310-2320.	2.7	2
4	Nucleation and growth mechanism of dendrite-free Ni-Cu catalysts by magneto-electrodeposition for the hydrogen evolution reaction. <i>New Journal of Chemistry</i> , 2022, 46, 5246-5255.	2.8	7
5	High magnetic field-assisted synthesis of a pine-like hyperbranched structure alpha-Fe <sub>2</sub> O <sub>3</sub> for enhanced magnetic properties and photocatalytic activity. <i>Nano Structures Nano Objects</i> , 2022, 31, 100896.	3.5	1
6	Preparation of Ni <sub>2</sub> P nanochains with controllable geometry for the hydrogen evolution reaction by application of a high magnetic field. <i>Scripta Materialia</i> , 2022, 219, 114892.	5.2	3
7	Utilization of electroless plating to prepare Cu-coated cotton cloth electrode for flexible Li-ion batteries. <i>Rare Metals</i> , 2021, 40, 400-408.	7.1	15
8	Conductivity Modulation of 3D-Printed Shellular Electrodes through Embedding Nanocrystalline Intermetallics into Amorphous Matrix for Ultrahigh-Current Oxygen Evolution. <i>Advanced Energy Materials</i> , 2021, 11, 2100968.	19.5	40
9	Structural, magnetic properties of in-plane chemically ordered (Mo <sub>2</sub> /3R) <sub>2</sub> AlC (R = Gd, Tb, Dy, Ho, Er and Tj) ETQq1.1.0.784314 rgBT /Ox	10.3	18
10	Functionalization-assistant ball milling towards Si/graphene anodes in high performance Li-ion batteries. <i>Carbon</i> , 2021, 181, 300-309.	10.3	74
11	Recent progress on transition metal oxides as advanced materials for energy conversion and storage. <i>Energy Storage Materials</i> , 2021, 42, 317-369.	18.0	113
12	Photo-controlled exchange bias in CoO@Co-Fe PBA core-shell heterostructures. <i>Journal of Materials Chemistry C</i> , 2021, 10, 244-250.	5.5	5
13	Human papillomavirus infection and female infertility: a systematic review and meta-analysis. <i>Reproductive BioMedicine Online</i> , 2020, 40, 229-237.	2.4	22
14	Wetting behaviors of molten melt drops on polycrystalline Al <sub>2</sub> O <sub>3</sub> substrates in high magnetic fields. <i>Journal of Materials Science and Technology</i> , 2020, 41, 187-190.	10.7	13
15	A novel layered birnessite-type sodium molybdate as dual-ion electrodes for high capacity battery. <i>Electrochimica Acta</i> , 2020, 363, 137229.	5.2	10
16	Cobalt vacancies assisted ion diffusion in Co <sub>2</sub> AlO <sub>4</sub> carbon nanofibers for enhancing lithium battery performance. <i>Dalton Transactions</i> , 2020, 49, 10127-10137.	3.3	2
17	Prognostic implication of human papillomavirus types in cervical cancer patients: a systematic review and meta-analysis. <i>Infectious Agents and Cancer</i> , 2020, 15, 66.	2.6	5
18	Wetting Transition in a Molten Metal and Solid Substrate System in High Magnetic Fields. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 2333-2343.	2.2	7

#	ARTICLE	IF	CITATIONS
19	The accelerating nanoscale Kirkendall effect in Co films/native oxide Si (100) system induced by high magnetic fields. <i>Journal of Materials Science and Technology</i> , 2020, 46, 127-135.	10.7	8
20	Enhanced magnetostriction of Tb-Dy-Fe via simultaneous $\gamma$ -111 $\alpha$ -crystallographic orientation and -morphological alignment induced by directional solidification in high magnetic fields. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	14
21	Effect of crystal orientation on droplet wetting behavior on single-crystal Al <sub>2</sub> O <sub>3</sub> substrates: An experimental study. <i>Physics of Fluids</i> , 2020, 32, .	4.0	3
22	Solid-State Dewetting in Polycrystalline Co Films on Native Oxide Si(100) by Kirkendall Effects. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19572-19578.	3.1	4
23	Hyperbranched Co <sub>2</sub> P nanocrystals with 3D morphology for hydrogen generation in both alkaline and acidic media. <i>RSC Advances</i> , 2019, 9, 20612-20617.	3.6	5
24	Nitrogen-Doped Graphene-Buffered Mn <sub>2</sub> O <sub>3</sub> Nanocomposite Anodes for Fast Charging and High Discharge Capacity Lithium-Ion Batteries. <i>Small</i> , 2019, 15, e1903311.	10.0	44
25	Instrument to characterize the wetting behavior of molten metal on a solid substrate under high magnetic field. <i>Review of Scientific Instruments</i> , 2019, 90, 063902.	1.3	8
26	Self-Supported Bi <sub>2</sub> MoO <sub>6</sub> Nanosheet Arrays as Advanced Integrated Electrodes for Li-Ion Batteries with Super High Capacity and Long Cycle Life. <i>Nano</i> , 2018, 13, 1850066.	1.0	6
27	Decorating Waste Cloth via Industrial Wastewater for Tube-Type Flexible and Wearable Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1603719.	21.0	131
28	Self-Assembled 3D Hierarchical Porous Bi <sub>2</sub> MoO <sub>6</sub> Microspheres toward High Capacity and Ultra-Long-Life Anode Material for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21781-21790.	8.0	57
29	Hierarchical SnO <sub>2</sub> Nanosheets Array as Ultralong-Life Integrated Anode for Lithium-Ion Batteries. <i>Nano</i> , 2017, 12, 1750077.	1.0	5
30	P3-type K <sub>0.33</sub> Co <sub>0.53</sub> Mn <sub>0.47</sub> O <sub>2</sub> ·0.39H <sub>2</sub> O: a novel bifunctional electrode for Na-ion batteries. <i>Materials Horizons</i> , 2017, 4, 1122-1127.	12.2	41
31	Surfactant-Free Aqueous Synthesis of Pure Single-Crystalline SnSe Nanosheet Clusters as Anode for High Energy and Power Density Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1602469.	21.0	231
32	Green and Facile Fabrication of MWNTs@Sb <sub>2</sub> S <sub>3</sub> @PPy Coaxial Nanocables for High-Performance Na-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 493-499.	2.3	66
33	Layered Na <sub>2</sub> V <sub>6</sub> O <sub>16</sub> nanobelts as promising cathode and symmetric electrode for Na-ion batteries with high capacity. <i>Journal of Alloys and Compounds</i> , 2016, 688, 55-60.	5.5	22
34	Integrating 3D Flower-Like Hierarchical Cu <sub>2</sub> NiSnS <sub>4</sub> with Reduced Graphene Oxide as Advanced Anode Materials for Na-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9178-9184.	8.0	64
35	Artificial Protection Film on Lithium Metal Anode toward Long-Cycle-Life Lithium-Oxygen Batteries. <i>Advanced Materials</i> , 2015, 27, 5241-5247.	21.0	439
36	Hierarchical porous SnO <sub>2</sub> /Mn <sub>2</sub> O <sub>3</sub> core/shell microspheres as advanced anode materials for lithium-ion batteries. <i>Materials Letters</i> , 2015, 145, 104-107.	2.6	20

#	ARTICLE	IF	CITATIONS
37	Pure Single-Crystalline Na <sub>1.1</sub> V <sub>3</sub> O <sub>7.9</sub> Nanobelts as Superior Cathode Materials for Rechargeable Sodium-Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1400018.	11.2	110
38	Electrospun materials for lithium and sodium rechargeable batteries: from structure evolution to electrochemical performance. <i>Energy and Environmental Science</i> , 2015, 8, 1660-1681.	30.8	362
39	Fe <sub>3</sub> O <sub>4</sub> -nanoparticle-decorated TiO <sub>2</sub> nanofiber hierarchical heterostructures with improved lithium-ion battery performance over wide temperature range. <i>Nano Research</i> , 2015, 8, 1659-1668.	10.4	33
40	Multi-ring aromatic carbonyl compounds enabling high capacity and stable performance of sodium-organic batteries. <i>Energy and Environmental Science</i> , 2015, 8, 3160-3165.	30.8	155
41	Engraving Copper Foil to Give Large-Scale Binder-Free Porous CuO Arrays for a High-Performance Sodium-Ion Battery Anode. <i>Advanced Materials</i> , 2014, 26, 2273-2279.	21.0	427
42	Electrodes: Engraving Copper Foil to Give Large-Scale Binder-Free Porous CuO Arrays for a High-Performance Sodium-Ion Battery Anode (Adv. Mater. 14/2014). <i>Advanced Materials</i> , 2014, 26, 2284-2284.	21.0	9
43	Assembly of FeWO <sub>4</sub> -SnO <sub>2</sub> core-shell nanorods and their high reversible capacity as lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2014, 118, 45-50.	5.2	19
44	Tailored Aromatic Carbonyl Derivative Polyimides for High-Power and Long-Cycle Sodium-Organic Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1301651.	19.5	319
45	In situ generated Fe <sub>3</sub> in homogeneous iron matrix toward high-performance cathode material for sodium-ion batteries. <i>Nano Energy</i> , 2014, 10, 295-304.	16.0	101
46	Dendritic Ni-P-Coated Melamine Foam for a Lightweight, Low-Cost, and Amphipathic Three-Dimensional Current Collector for Binder-Free Electrodes. <i>Advanced Materials</i> , 2014, 26, 7264-7270.	21.0	103
47	Synthesis of Ultrathin GeO <sub>2</sub> -Reduced Graphene Oxide (RGO) Sheets for a High-Capacity Lithium-Ion Battery Anode. <i>Energy Technology</i> , 2014, 2, 342-347.	3.8	13
48	Advances and challenges for flexible energy storage and conversion devices and systems. <i>Energy and Environmental Science</i> , 2014, 7, 2101.	30.8	767
49	Three-dimensionally macroporous graphene-supported Fe <sub>3</sub> O <sub>4</sub> composite as anode material for Li-ion batteries with long cycling life and ultrahigh rate capability. <i>Science Bulletin</i> , 2014, 59, 2017-2023.	1.7	15
50	CuO/PVDF nanocomposite anode for a piezo-driven self-charging lithium battery. <i>Energy and Environmental Science</i> , 2013, 6, 2615.	30.8	109
51	Synergistic Effect of SnO <sub>2</sub> /ZnWO <sub>4</sub> Core-Shell Nanorods with High Reversible Lithium Storage Capacity. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1530-1535.	3.3	23
52	Porous Co <sub>3</sub> O <sub>4</sub> nanoneedle arrays growing directly on copper foils and their ultrafast charging/discharging as lithium-ion battery anodes. <i>Chemical Communications</i> , 2011, 47, 4718.	4.1	174
53	SnO <sub>2</sub> /WO <sub>3</sub> core-shell nanorods and their high reversible capacity as lithium-ion battery anodes. <i>Nanotechnology</i> , 2011, 22, 395702.	2.6	59
54	Enhanced gas sensing performance of SnO <sub>2</sub> /MoO <sub>3</sub> heterostructure nanobelts. <i>Nanotechnology</i> , 2011, 22, 225502.	2.6	63

#	ARTICLE	IF	CITATIONS
55	SnO <sub>2</sub> /Î±-MoO <sub>3</sub> core-shell nanobelts and their extraordinarily high reversible capacity as lithium-ion battery anodes. Chemical Communications, 2011, 47, 5205.	4.1	181
56	Cu Nanoparticles Supported on Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @N-Doped Carbon Coreâ€“Shell Nanocomposites for Câ€“N Coupling Reactions in Water. ACS Applied Nano Materials, 0, , .	5.0	5