

# Jiefu Yin

## List of Publications by Year in descending order

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34  
papers

3,261  
citations

257101

24  
h-index

377514

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g-index

34  
all docs

34  
docs citations

34  
times ranked

4082  
citing authors

#	ARTICLE	IF	CITATIONS
1	Textured Electrodes: Manipulating Built-In Crystallographic Heterogeneity of Metal Electrodes via Severe Plastic Deformation. <i>Advanced Materials</i> , 2022, 34, e2106867.	11.1	62
2	Production of fast-charge Zn-based aqueous batteries via interfacial adsorption of ion-oligomer complexes. <i>Nature Communications</i> , 2022, 13, 2283.	5.8	47
3	Regulating electrodeposition morphology in high-capacity aluminium and zinc battery anodes using interfacial metal-substrate bonding. <i>Nature Energy</i> , 2021, 6, 398-406.	19.8	169
4	Stabilizing Zinc Electrodeposition in a Battery Anode by Controlling Crystal Growth. <i>Small</i> , 2021, 17, e2101798.	5.2	58
5	On the crystallography and reversibility of lithium electrodeposits at ultrahigh capacity. <i>Nature Communications</i> , 2021, 12, 6034.	5.8	70
6	The early-stage growth and reversibility of Li electrodeposition in Br-rich electrolytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
7	Proton Intercalation/Deintercalation Dynamics in Vanadium Oxides for Aqueous Aluminum Electrochemical Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3048-3052.	7.2	122
8	Proton Intercalation/Deintercalation Dynamics in Vanadium Oxides for Aqueous Aluminum Electrochemical Cells. <i>Angewandte Chemie</i> , 2020, 132, 3072-3076.	1.6	13
9	Spontaneous and field-induced crystallographic reorientation of metal electrodeposits at battery anodes. <i>Science Advances</i> , 2020, 6, eabb1122.	4.7	143
10	Achieving Uniform Lithium Electrodeposition in Cross-Linked Poly(ethylene oxide) Networks: "Soft" Polymers Prevent Metal Dendrite Proliferation. <i>Macromolecules</i> , 2020, 53, 5445-5454.	2.2	22
11	Reversible epitaxial electrodeposition of metals in battery anodes. <i>Science</i> , 2019, 366, 645-648.	6.0	1,097
12	On the Reversibility and Fragility of Sodium Metal Electrodes. <i>Advanced Energy Materials</i> , 2019, 9, 1901651.	10.2	48
13	Synthesis and Characterization of 2 Å– 4 Tunnel Structured Manganese Dioxides as Cathodes in Rechargeable Li, Na, and Mg Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A670-A678.	1.3	8
14	Reversible Electrochemical Lithium-Ion Insertion into the Rhenium Cluster Chalcogenide-Halide $\text{Re}_6\text{Se}_8\text{Cl}_2$ . <i>Inorganic Chemistry</i> , 2018, 57, 4812-4815.	1.9	8
15	Electrochemically Induced Phase Evolution of Lithium Vanadium Oxide: Complementary Insights Gained via Ex-Situ, In-Situ, and Operando Experiments and Density Functional Theory. <i>MRS Advances</i> , 2018, 3, 1255-1260.	0.5	3
16	Understanding the Effect of Preparative Approaches in the Formation of "Flower-like" $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Multiwalled Carbon Nanotube Composite Motifs with Performance as High-Rate Anode Materials for Li-Ion Battery Applications. <i>Journal of the Electrochemical Society</i> , 2017, 164, A524-A534.	1.3	14
17	Magnesium-ion battery-relevant electrochemistry of $\text{MgMn}_2\text{O}_4$ : crystallite size effects and the notable role of electrolyte water content. <i>Chemical Communications</i> , 2017, 53, 3665-3668.	2.2	79
18	Rate Dependent Multi-Mechanism Discharge of $\text{Ag}_{0.50}\text{VOPO}_4 \cdot 1.8\text{H}_2\text{O}$ : Insights from In Situ Energy Dispersive X-ray Diffraction. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6007-A6016.	1.3	4

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19	Synthetic control of manganese birnessite: Impact of crystallite size on Li, Na, and Mg based electrochemistry. <i>Inorganica Chimica Acta</i> , 2016, 453, 230-237.	1.2	11
20	Ionic liquid hybrids: Progress toward non-corrosive electrolytes with high-voltage oxidation stability for magnesium-ion based batteries. <i>Electrochimica Acta</i> , 2016, 219, 267-276.	2.6	14
21	Communication "Sol-Gel Synthesized Magnesium Vanadium Oxide, $Mg_xV_2O_5 \cdot nH_2O$ : The Role of Structural $Mg^{2+}$ on Battery Performance. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1941-A1943.	1.3	28
22	Synthesis and Applications of $\beta$ -Tungsten Oxide Hierarchical Nanostructures. <i>Crystal Growth and Design</i> , 2013, 13, 759-769.	1.4	75
23	$SnS_2$ @reduced graphene oxide nanocomposites as anode materials with high capacity for rechargeable lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 23963.	6.7	97
24	Synthesis and separation of dyes via $Ni$ @reduced graphene oxide nanostructures. <i>Journal of Materials Chemistry</i> , 2012, 22, 1876-1883.	6.7	83
25	Biomimetalization Strategy to $\beta$ - $Mn_2O_3$ Hierarchical Nanostructures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21109-21115.	1.5	36
26	Self-assembly into magnetic $Co_3O_4$ complex nanostructures as peroxidase. <i>Journal of Materials Chemistry</i> , 2012, 22, 527-534.	6.7	116
27	Synthesis and Photocatalytic Activity of Single-Crystalline Hollow $In_2O_3$ Nanocrystals. <i>Inorganic Chemistry</i> , 2012, 51, 6529-6536.	1.9	59
28	Glucosan controlled biomimetalization of $SrCO_3$ complex nanostructures with superhydrophobicity and adsorption properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 8734.	6.7	32
29	$MgCO_3 \cdot 3H_2O$ and $MgO$ complex nanostructures: controllable biomimetic fabrication and physical chemical properties. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5047-5052.	1.3	45
30	Improved performances of $Ni(OH)_2$ @reduced-graphene-oxide in Ni-MH and Li-ion batteries. <i>Chemical Communications</i> , 2011, 47, 3159.	2.2	126
31	$Cu_2O$ @reduced graphene oxide composite for removal of contaminants from water and supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 10645.	6.7	200
32	Generation and photocatalytic activities of $Bi@Bi_2O_3$ microspheres. <i>Nano Research</i> , 2011, 4, 470-482.	5.8	204
33	$Mg(OH)_2$ Complex Nanostructures with Superhydrophobicity and Flame Retardant Effects. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17362-17368.	1.5	87
34	$Ag_2Se$ complex nanostructures with photocatalytic activity and superhydrophobicity. <i>Nano Research</i> , 2010, 3, 863-873.	5.8	55