

# Qizhang Yan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4214667/publications.pdf>

Version: 2024-02-01

25  
papers

1,433  
citations

516710

16  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative Stabilization of Dilute Ether Electrolytes via Anion Modification. ACS Energy Letters, 2022, 7, 675-682.	17.4	15
2	Thermodynamics-driven interfacial engineering of alloy-type anode materials. Cell Reports Physical Science, 2022, 3, 100694.	5.6	4
3	A new type of compositionally complex M <sub>5</sub> Si <sub>3</sub> silicides: Cation ordering and unexpected phase stability. Scripta Materialia, 2022, 212, 114557.	5.2	11
4	High-Rate Lithium Cycling and Structure Evolution in Mo <sub>4</sub> O <sub>11</sub> . Chemistry of Materials, 2022, 34, 4122-4133.	6.7	13
5	Ultrahigh coulombic efficiency electrolyte enables Li   SPAN batteries with superior cycling performance. Materials Today, 2021, 42, 17-28.	14.2	50
6	A new class of high-entropy M <sub>3</sub> B <sub>4</sub> borides. Journal of Advanced Ceramics, 2021, 10, 166-172.	17.4	39
7	Boosting lithium storage performance of Si nanoparticles via thin carbon and nitrogen/phosphorus co-doped two-dimensional carbon sheet dual encapsulation. Rare Metals, 2021, 40, 1347-1356.	7.1	115
8	High-entropy rare earth tetraborides. Journal of the European Ceramic Society, 2021, 41, 2968-2973.	5.7	28
9	Low-Cost Li   SPAN Batteries Enabled by Sustained Additive Release. ACS Applied Energy Materials, 2021, 4, 6422-6429.	5.1	2
10	LiPO <sub>2</sub> F <sub>2</sub> electrolyte additive for high-performance Li-rich cathode material. Journal of Energy Chemistry, 2021, 60, 564-571.	12.9	49
11	Bulk high-entropy hexaborides. Journal of the European Ceramic Society, 2021, 41, 5775-5781.	5.7	22
12	Avoiding dendrite formation by confining lithium deposition underneath Li-Sn coatings. Journal of Materials Research, 2021, 36, 797-811.	2.6	4
13	High-entropy monoborides: Towards superhard materials. Scripta Materialia, 2020, 189, 101-105.	5.2	57
14	A fabrication process for flexible single-crystal perovskite devices. Nature, 2020, 583, 790-795.	27.8	278
15	Sequence-Defined Peptoids with $\gamma$ -OH and $\gamma$ -COOH Groups As Binders to Reduce Cracks of Si Nanoparticles of Lithium-Ion Batteries. Advanced Science, 2020, 7, 2000749.	11.2	38
16	A disordered rock salt anode for fast-charging lithium-ion batteries. Nature, 2020, 585, 63-67.	27.8	326
17	A Perspective on interfacial engineering of lithium metal anodes and beyond. Applied Physics Letters, 2020, 117, .	3.3	18
18	Efficient Direct Recycling of Degraded LiMn <sub>2</sub> O <sub>4</sub> Cathodes by One-Step Hydrothermal Relithiation. ACS Applied Materials & Interfaces, 2020, 12, 51546-51554.	8.0	88

#	ARTICLE	IF	CITATIONS
19	Synthesis and electrochemical performance of defected nano-micro structure sodium/lithium titanate composites materials for lithium-ion batteries. <i>Vacuum</i> , 2020, 177, 109402.	3.5	12
20	A facile synthesis of non-aqueous LiPO <sub>2</sub> F <sub>2</sub> solution as the electrolyte additive for high performance lithium ion batteries. <i>Chinese Chemical Letters</i> , 2020, 31, 3209-3212.	9.0	19
21	Draining Over Blocking: Nano-Composite Janus Separators for Mitigating Internal Shorting of Lithium Batteries. <i>Advanced Materials</i> , 2020, 32, e1906836.	21.0	62
22	Cryogenic Milling Method to Fabricate Nanostructured Anodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 11285-11292.	5.1	2
23	Elucidating the Limit of Li Insertion into the Spinel Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> . , 2019, 1, 96-102.		45
24	A scalable 3D lithium metal anode. <i>Energy Storage Materials</i> , 2019, 16, 505-511.	18.0	95
25	Structure and Solution Dynamics of Lithium Methyl Carbonate as a Protective Layer For Lithium Metal. <i>ACS Applied Energy Materials</i> , 2018, 1, 1864-1869.	5.1	41