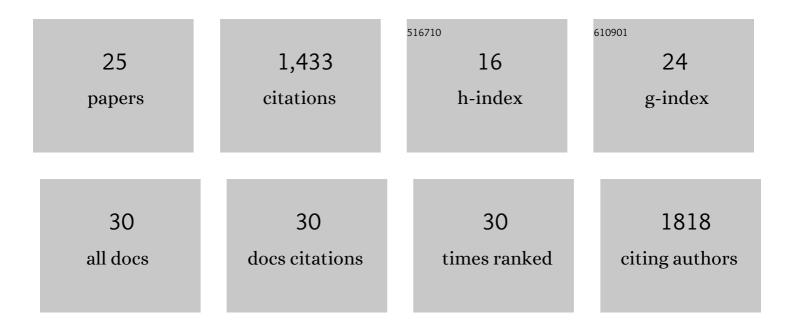
## Qizhang Yan

List of Publications by Year in descending order

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#	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 M5Si3 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 M3B4 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	LiPO2F2 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	Sequenceâ€Defined Peptoids with OH and COOH GroupsÂAs Binders to Reduce Cracks of Si Nanoparticles of Lithiumâ€lon 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

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#	Article	IF	CITATIONS
19	Synthesis and electrochemical performance of defected nano-micro structure sodium/lithium titanate composites materials for lithium-ion batteries. Vacuum, 2020, 177, 109402.	3.5	12
20	A facile synthesis of non-aqueous LiPO2F2 solution as the electrolyte additive for high performance lithium ion batteries. Chinese Chemical Letters, 2020, 31, 3209-3212.	9.0	19
21	Draining Over Blocking: Nanoâ€Composite Janus Separators for Mitigating Internal Shorting of Lithium Batteries. Advanced Materials, 2020, 32, e1906836.	21.0	62
22	Cryogenic Milling Method to Fabricate Nanostructured Anodes. ACS Applied Energy Materials, 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. Energy Storage Materials, 2019, 16, 505-511.	18.0	95
25	Structure and Solution Dynamics of Lithium Methyl Carbonate as a Protective Layer For Lithium Metal. ACS Applied Energy Materials, 2018, 1, 1864-1869.	5.1	41