Chunfu Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72 papers	3,216 citations	34 h-index	56 g-index
77 ext. papers	3,719 ext. citations	9.2 avg, IF	5.51 L-index

#	Paper	IF	Citations
72	VPO5: An all-climate lithium-storage material. *Energy Storage Materials*, **2022**, 46, 366-373	19.4	3
71	Rational Design and Synthesis of Nickel Niobium Oxide with High-Rate Capability and Cycling Stability in a Wide Temperature Range. *Advanced Energy Materials*, **2022**, 12, 2102550	21.8	5
70	Partially Reduced Titanium Niobium Oxide: A High-Performance Lithium-Storage Material in a Broad Temperature Range.. *Advanced Science*, **2022**, 9, e2105119	13.6	3
69	An efficient method for large-scale preparation of high-purity □Si3N4 nanowires and their electrochemical performance. *Ceramics International*, **2021**, 47, 11304-11312	5.1	1
68	Improved Performance of Na3TiMn(PO4)3 Using a Non-stoichiometric Synthesis Strategy. *ACS Energy Letters*, **2021**, 6, 2081-2089	20.1	8
67	Al3+-doped FeNb11O29 anode materials with enhanced lithium-storage performance. *Advanced Composites and Hybrid Materials*, **2021**, 4, 733-742	8.7	7
66	Mo3Nb14O44: A New Li+ Container for High-Performance Electrochemical Energy Storage. *Energy and Environmental Materials*, **2021**, 4, 65-71	13	9
65	BiNb5.4O15: A new Li+-storage material with a tetragonal tungsten bronze crystal structure. *Functional Materials Letters*, **2021**, 14, 2150005	1.2	1
64	Micro-nano structured VNb9O25 anode with superior electronic conductivity for high-rate and long-life lithium storage. *Journal of Materials Science and Technology*, **2021**, 83, 66-74	9.1	4
63	Transformation of Spinel Zn2Mn4O8·H2O to Layered □MnO2-Based Composite Nanosheets with Enhanced Capacitance in Aqueous Electrolyte. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2000649	1.6	1
62	A low-strain V3Nb17O50 anode compound for superior Li+ storage. *Energy Storage Materials*, **2020**, 30, 401-411	19.4	37
61	Revisiting the Stability of the Cr/Cr Redox Couple in Sodium Superionic Conductor Compounds. *ACS Applied Materials & Interfaces*, **2020**, 12, 28313-28319	9.5	5
60	Cr3+-doped Li3VO4 for enhanced Li+ storage. *Functional Materials Letters*, **2020**, 13, 2050005	1.2	4
59	Conductive Li3.08Cr0.02Si0.09V0.9O4 Anode Material: Novel □Zero-Strain□ Characteristic and Superior Electrochemical Li+ Storage. *Advanced Energy Materials*, **2020**, 10, 1904267	21.8	26
58	An inverse opal CuNbO anode for high-performance Li storage. *Chemical Communications*, **2020**, 56, 7321-7324	5.8	14
57	A highly Li-conductive HfNbO anode material for superior Li storage. *Chemical Communications*, **2020**, 56, 619-622	5.8	45
56	Spherical vanadium phosphate particles grown on carbon fiber cloth as flexible anode for high-rate Li-ion batteries. *Chemical Engineering Journal*, **2020**, 386, 123981	14.7	19

55	Hollow Rutile Cuboid Arrays Grown on Carbon Fiber Cloth as a Flexible Electrode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2020**, 30, 2002629	15.6	34
54	MoOx nanoparticles anchored on N-doped porous carbon as Li-ion battery electrode. *Chemical Engineering Journal*, **2020**, 381, 122588	14.7	71
53	Synthesis of BCN nanoribbons from coconut shells using as high-performance anode materials for lithium-ion batteries. *Electrochimica Acta*, **2020**, 346, 136239	6.7	5
52	Conductive Copper Niobate: Superior Li+-Storage Capability and Novel Li+-Transport Mechanism. *Advanced Energy Materials*, **2019**, 9, 1902174	21.8	56
51	Lithium Titanate Cuboid Arrays Grown on Carbon Fiber Cloth for High-Rate Flexible Lithium-Ion Batteries. *Small*, **2019**, 15, e1902183	11	23
50	Nanosheet-based NbO hierarchical microspheres for enhanced lithium storage. *Chemical Communications*, **2019**, 55, 2493-2496	5.8	78
49	Novel GaNb49O124 microspheres with intercalation pseudocapacitance for ultrastable lithium-ion storage. *Ceramics International*, **2019**, 45, 12211-12217	5.1	18
48	Design, synthesis and lithium-ion storage capability of Al0.5Nb24.5O62. *Journal of Materials Chemistry A*, **2019**, 7, 19862-19871	13	75
47	Fluorine substitution enabling pseudocapacitive intercalation of sodium ions in niobium oxyfluoride. *Journal of Materials Chemistry A*, **2019**, 7, 20813-20823	13	10
46	New Anode Material for Lithium-Ion Batteries: Aluminum Niobate (AlNbO). *ACS Applied Materials & Interfaces*, **2019**, 11, 6089-6096	9.5	71
45	MoNb12O33 as a new anode material for high-capacity, safe, rapid and durable Li+ storage: structural characteristics, electrochemical properties and working mechanisms. *Journal of Materials Chemistry A*, **2019**, 7, 6522-6532	13	111
44	Zinc niobate materials: crystal structures, energy-storage capabilities and working mechanisms. *Journal of Materials Chemistry A*, **2019**, 7, 25537-25547	13	52
43	Hollow Si/SiOx nanosphere/nitrogen-doped carbon superstructure with a double shell and void for high-rate and long-life lithium-ion storage. *Journal of Materials Chemistry A*, **2018**, 6, 8039-8046	13	95
42	Conductive Nb25O62 and Nb12O29 anode materials for use in high-performance lithium-ion storage. *Electrochimica Acta*, **2018**, 266, 202-211	6.7	29
41	GaNb11O29 Nanowebs as High-Performance Anode Materials for Lithium-Ion Batteries. *ACS Applied Nano Materials*, **2018**, 1, 183-190	5.6	36
40	Ti2Nb2xO4+5x anode materials for lithium-ion batteries: a comprehensive review. *Journal of Materials Chemistry A*, **2018**, 6, 9799-9815	13	78
39	TiCr0.5Nb10.5O29/CNTs nanocomposite as an advanced anode material for high-performance Li+-ion storage. *Journal of Alloys and Compounds*, **2018**, 732, 116-123	5.7	15
38	Highly conductive CrNb11O29 nanorods for use in high-energy, safe, fast-charging and stable lithium-ion batteries. *Journal of Power Sources*, **2018**, 397, 231-239	8.9	36

37	Electrochemical construction and sodium storage performance of three-dimensional porous self-supported MoS2 electrodes. *Functional Materials Letters*, **2018**, 11, 1850050	1.2	8
36	Electrospun Ti2Nb10O29 hollow nanofibers as high-performance anode materials for lithium-ion batteries. *Materials Letters*, **2018**, 214, 60-63	3.3	32
35	Nano-TiNb2O7/carbon nanotubes composite anode for enhanced lithium-ion storage. *Electrochimica Acta*, **2018**, 260, 65-72	6.7	232
34	Advanced composites of complex Ti-based oxides as anode materials for lithium-ion batteries. *Advanced Composites and Hybrid Materials*, **2018**, 1, 440-459	8.7	45
33	Metallic Graphene-Like VSe Ultrathin Nanosheets: Superior Potassium-Ion Storage and Their Working Mechanism. *Advanced Materials*, **2018**, 30, e1800036	24	256
32	MgNbO Porous Microspheres for Use in High-Energy, Safe, Fast-Charging, and Stable Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 23711-23720	9.5	41
31	Solvent-free one-pot oxidation of ethylarenes for the preparation of □ketoamides under mild conditions. *RSC Advances*, **2017**, 7, 7158-7162	3.7	15
30	Exploration of Cr0.2Fe0.8Nb11O29 as an advanced anode material for lithium-ion batteries of electric vehicles. *Electrochimica Acta*, **2017**, 245, 482-488	6.7	28
29	CrNbO Nanowires with High Electronic Conductivity for High-Rate and Long-Life Lithium-Ion Storage. *ACS Nano*, **2017**, 11, 4217-4224	16.7	101
28	Porous ZrNb24O62 nanowires with pseudocapacitive behavior achieve high-performance lithium-ion storage. *Journal of Materials Chemistry A*, **2017**, 5, 22297-22304	13	64
27	Intercalating Ti Nb O Anode Materials for Fast-Charging, High-Capacity and Safe Lithium-Ion Batteries. *Small*, **2017**, 13, 1702903	11	33
26	Crystal Structure Modification Enhanced FeNb11O29 Anodes for Lithium-Ion Batteries. *ChemElectroChem*, **2017**, 4, 3171-3180	4.3	130
25	Ti 2 Nb 10 O 29□ mesoporous microspheres as promising anode materials for high-performance lithium-ion batteries. *Journal of Power Sources*, **2017**, 362, 250-257	8.9	70
24	Cr3+ and Nb5+ co-doped Ti2Nb10O29 materials for high-performance lithium-ion storage. *Journal of Power Sources*, **2017**, 360, 470-479	8.9	61
23	Non-stoichiometric carbon-coated LiFexPO4 as cathode materials for high-performance Li-ion batteries. *RSC Advances*, **2017**, 7, 33544-33551	3.7	8
22	Porous TiNbO microspheres as high-performance anode materials for lithium-ion batteries of electric vehicles. *Nanoscale*, **2016**, 8, 18792-18799	7.7	78
21	TiNb2O7 nanorods as a novel anode material for secondary lithium-ion batteries. *Functional Materials Letters*, **2016**, 09, 1642004	1.2	18
20	Heavily Cr3+-modified Li4Ti5O12: An advanced anode material for rechargeable lithium-ion batteries. *Functional Materials Letters*, **2016**, 09, 1650012	1.2	8

19	Cu0.02Ti0.94Nb2.04O7: An advanced anode material for lithium-ion batteries of electric vehicles. *Journal of Power Sources*, **2016**, 328, 336-344	8.9	50
18	TiNb6O17: a new electrode material for lithium-ion batteries. *Chemical Communications*, **2015**, 51, 8970-3	3.8	94
17	Ru0.01Ti0.99Nb2O7 as an intercalation-type anode material with a large capacity and high rate performance for lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 8627-8635	13	102
16	Li5Cr9Ti4O24: A new anode material for lithium-ion batteries. *Journal of Alloys and Compounds*, **2015**, 650, 616-621	5.7	19
15	Defective Ti2Nb10O27.1: an advanced anode material for lithium-ion batteries. *Scientific Reports*, **2015**, 5, 17836	4.9	70
14	Titanium-containing complex oxides as anode materials for lithium-ion batteries: a review. *Materials Technology*, **2015**, 30, A192-A202	2.1	5
13	Li4Ti5O12-based anode materials with low working potentials, high rate capabilities and high cyclability for high-power lithium-ion batteries: a synergistic effect of doping, incorporating a conductive phase and reducing the particle size. *Journal of Materials Chemistry A*, **2014**, 2, 9982-9993	13	86
12	Advanced electrochemical performance of Li4Ti5O12-based materials for lithium-ion battery: Synergistic effect of doping and compositing. *Journal of Power Sources*, **2014**, 248, 1034-1041	8.9	89
11	Li3.33Cu1.005Ti4.665O12/CuO composite with P4332 space group for Li-ion batteries: synergistic effect of substituting and compositing. *RSC Advances*, **2014**, 4, 31196-31200	3.7	9
10	Mesoporous Li4Ti5O(12-x)/C submicrospheres with comprehensively improved electrochemical performances for high-power lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2014**, 16, 24874-24883	3.6	37
9	Monodispersed mesoporous Li4Ti5O12 submicrospheres as anode materials for lithium-ion batteries: morphology and electrochemical performances. *Nanoscale*, **2014**, 6, 6651-60	7.7	71
8	Spinel Li4−2xCo3xTi5−xO12 (0 ≤ x ≤ 0.5) for Lithium-Ion Batteries: Crystal Structures, Material Properties, and Battery Performances. *Journal of Physical Chemistry C*, **2014**, 118, 14246-14255	3.8	25
7	Li 3.9 Cu 0.1 Ti 5 O 12 /CNTs composite for the anode of high-power lithium-ion batteries: Intrinsic and extrinsic effects. *Electrochimica Acta*, **2014**, 143, 29-35	6.7	16
6	Recent Development in the Rate Performance of Li4Ti5O12. *Applied Science and Convergence Technology*, **2014**, 23, 72-82	0.8	1
5	Structure and high rate performance of Ni2+ doped Li4Ti5O12 for lithium ion battery. *Journal of Power Sources*, **2013**, 244, 272-279	8.9	88
4	Electrodeposition preparation of ZnO nanobelt array films and application to dye-sensitized solar cells. *Journal of Alloys and Compounds*, **2008**, 462, 175-180	5.7	61
3	Chemical sintering of graded TiO2 film at low-temperature for flexible dye-sensitized solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 195, 247-253	4.7	67
2	The exploration of a CuNb3O8 Li+-storage anode compound. *Materials Technology*,1-8	2.1	0

1	A New Sodium Calcium Cyclotetravanadate Framework: Zero-Strain during Large-Capacity Lithium Intercalation. *Advanced Functional Materials*,2105026	15.6	10