

# Chunfu Lin

## List of Publications by Citations

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3,719  
ext. citations

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L-index

#	Paper	IF	Citations
72	Metallic Graphene-Like VSe Ultrathin Nanosheets: Superior Potassium-Ion Storage and Their Working Mechanism. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800036	24	256
71	Nano-TiNb <sub>2</sub> O <sub>7</sub> /carbon nanotubes composite anode for enhanced lithium-ion storage. <i>Electrochimica Acta</i> , <b>2018</b> , 260, 65-72	6.7	232
70	Crystal Structure Modification Enhanced FeNb <sub>11</sub> O <sub>29</sub> Anodes for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 3171-3180	4.3	130
69	MoNb <sub>12</sub> O <sub>33</sub> as a new anode material for high-capacity, safe, rapid and durable Li <sup>+</sup> storage: structural characteristics, electrochemical properties and working mechanisms. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6522-6532	13	111
68	Ru <sub>0.01</sub> Ti <sub>0.99</sub> Nb <sub>2</sub> O <sub>7</sub> as an intercalation-type anode material with a large capacity and high rate performance for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8627-8635	13	102
67	CrNbO Nanowires with High Electronic Conductivity for High-Rate and Long-Life Lithium-Ion Storage. <i>ACS Nano</i> , <b>2017</b> , 11, 4217-4224	16.7	101
66	Hollow Si/SiO <sub>x</sub> nanosphere/nitrogen-doped carbon superstructure with a double shell and void for high-rate and long-life lithium-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 8039-8046	13	95
65	TiNb <sub>6</sub> O <sub>17</sub> : a new electrode material for lithium-ion batteries. <i>Chemical Communications</i> , <b>2015</b> , 51, 8970-8988	3.8	94
64	Advanced electrochemical performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -based materials for lithium-ion battery: Synergistic effect of doping and compositing. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 1034-1041	8.9	89
63	Structure and high rate performance of Ni <sup>2+</sup> doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> for lithium ion battery. <i>Journal of Power Sources</i> , <b>2013</b> , 244, 272-279	8.9	88
62	Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -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. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9982-9993	13	86
61	Nanosheet-based NbO hierarchical microspheres for enhanced lithium storage. <i>Chemical Communications</i> , <b>2019</b> , 55, 2493-2496	5.8	78
60	Ti <sub>2</sub> Nb <sub>2x</sub> O <sub>4+5x</sub> anode materials for lithium-ion batteries: a comprehensive review. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9799-9815	13	78
59	Porous TiNbO microspheres as high-performance anode materials for lithium-ion batteries of electric vehicles. <i>Nanoscale</i> , <b>2016</b> , 8, 18792-18799	7.7	78
58	Design, synthesis and lithium-ion storage capability of Al <sub>0.5</sub> Nb <sub>24.5</sub> O <sub>62</sub> . <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19862-19871	13	75
57	Monodispersed mesoporous Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> submicrospheres as anode materials for lithium-ion batteries: morphology and electrochemical performances. <i>Nanoscale</i> , <b>2014</b> , 6, 6651-60	7.7	71
56	New Anode Material for Lithium-Ion Batteries: Aluminum Niobate (AlNbO). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 6089-6096	9.5	71

55	MoOx nanoparticles anchored on N-doped porous carbon as Li-ion battery electrode. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122588	14.7	71
54	Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> mesoporous microspheres as promising anode materials for high-performance lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 362, 250-257	8.9	70
53	Defective Ti <sub>2</sub> Nb <sub>10</sub> O <sub>27.1</sub> : an advanced anode material for lithium-ion batteries. <i>Scientific Reports</i> , <b>2015</b> , 5, 17836	4.9	70
52	Chemical sintering of graded TiO <sub>2</sub> film at low-temperature for flexible dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2008</b> , 195, 247-253	4.7	67
51	Porous ZrNb <sub>24</sub> O <sub>62</sub> nanowires with pseudocapacitive behavior achieve high-performance lithium-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22297-22304	13	64
50	Cr <sup>3+</sup> and Nb <sup>5+</sup> co-doped Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> materials for high-performance lithium-ion storage. <i>Journal of Power Sources</i> , <b>2017</b> , 360, 470-479	8.9	61
49	Electrodeposition preparation of ZnO nanobelt array films and application to dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 462, 175-180	5.7	61
48	Conductive Copper Niobate: Superior Li <sup>+</sup> -Storage Capability and Novel Li <sup>+</sup> -Transport Mechanism. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902174	21.8	56
47	Zinc niobate materials: crystal structures, energy-storage capabilities and working mechanisms. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25537-25547	13	52
46	Cu <sub>0.02</sub> Ti <sub>0.94</sub> Nb <sub>2.04</sub> O <sub>7</sub> : An advanced anode material for lithium-ion batteries of electric vehicles. <i>Journal of Power Sources</i> , <b>2016</b> , 328, 336-344	8.9	50
45	A highly Li-conductive HfNbO anode material for superior Li storage. <i>Chemical Communications</i> , <b>2020</b> , 56, 619-622	5.8	45
44	Advanced composites of complex Ti-based oxides as anode materials for lithium-ion batteries. <i>Advanced Composites and Hybrid Materials</i> , <b>2018</b> , 1, 440-459	8.7	45
43	MgNbO Porous Microspheres for Use in High-Energy, Safe, Fast-Charging, and Stable Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23711-23720	9.5	41
42	A low-strain V <sub>3</sub> Nb <sub>17</sub> O <sub>50</sub> anode compound for superior Li <sup>+</sup> storage. <i>Energy Storage Materials</i> , <b>2020</b> , 30, 401-411	19.4	37
41	Mesoporous Li <sub>4</sub> Ti <sub>5</sub> O <sub>(12-x)</sub> /C submicrospheres with comprehensively improved electrochemical performances for high-power lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 24874-24883	36	37
40	GaNb <sub>11</sub> O <sub>29</sub> Nanowebs as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 183-190	5.6	36
39	Highly conductive CrNb <sub>11</sub> O <sub>29</sub> nanorods for use in high-energy, safe, fast-charging and stable lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 397, 231-239	8.9	36
38	Hollow Rutile Cuboid Arrays Grown on Carbon Fiber Cloth as a Flexible Electrode for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002629	15.6	34

37	Intercalating Ti Nb O Anode Materials for Fast-Charging, High-Capacity and Safe Lithium-Ion Batteries. <i>Small</i> , <b>2017</b> , 13, 1702903	11	33
36	Electrospun Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> hollow nanofibers as high-performance anode materials for lithium-ion batteries. <i>Materials Letters</i> , <b>2018</b> , 214, 60-63	3.3	32
35	Conductive Nb <sub>25</sub> O <sub>62</sub> and Nb <sub>12</sub> O <sub>29</sub> anode materials for use in high-performance lithium-ion storage. <i>Electrochimica Acta</i> , <b>2018</b> , 266, 202-211	6.7	29
34	Exploration of Cr <sub>0.2</sub> Fe <sub>0.8</sub> Nb <sub>11</sub> O <sub>29</sub> as an advanced anode material for lithium-ion batteries of electric vehicles. <i>Electrochimica Acta</i> , <b>2017</b> , 245, 482-488	6.7	28
33	Conductive Li <sub>3.08</sub> Cr <sub>0.02</sub> Si <sub>0.09</sub> V <sub>0.90</sub> O <sub>4</sub> Anode Material: Novel Zero-Strain Characteristic and Superior Electrochemical Li <sup>+</sup> Storage. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1904267	21.8	26
32	Spinel Li <sub>4x</sub> Co <sub>3x</sub> Ti <sub>5x</sub> O <sub>12</sub> (0 ≤ x ≤ 0.5) for Lithium-Ion Batteries: Crystal Structures, Material Properties, and Battery Performances. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 14246-14255	3.8	25
31	Lithium Titanate Cuboid Arrays Grown on Carbon Fiber Cloth for High-Rate Flexible Lithium-Ion Batteries. <i>Small</i> , <b>2019</b> , 15, e1902183	11	23
30	Li <sub>5</sub> Cr <sub>9</sub> Ti <sub>4</sub> O <sub>24</sub> : A new anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 650, 616-621	5.7	19
29	Spherical vanadium phosphate particles grown on carbon fiber cloth as flexible anode for high-rate Li-ion batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 386, 123981	14.7	19
28	Novel GaNb <sub>49</sub> O <sub>124</sub> microspheres with intercalation pseudocapacitance for ultrastable lithium-ion storage. <i>Ceramics International</i> , <b>2019</b> , 45, 12211-12217	5.1	18
27	TiNb <sub>2</sub> O <sub>7</sub> nanorods as a novel anode material for secondary lithium-ion batteries. <i>Functional Materials Letters</i> , <b>2016</b> , 09, 1642004	1.2	18
26	Li <sub>3.9</sub> Cu <sub>0.1</sub> Ti <sub>5</sub> O <sub>12</sub> /CNTs composite for the anode of high-power lithium-ion batteries: Intrinsic and extrinsic effects. <i>Electrochimica Acta</i> , <b>2014</b> , 143, 29-35	6.7	16
25	Solvent-free one-pot oxidation of ethylarenes for the preparation of β-ketoamides under mild conditions. <i>RSC Advances</i> , <b>2017</b> , 7, 7158-7162	3.7	15
24	TiCr <sub>0.5</sub> Nb <sub>10.5</sub> O <sub>29</sub> /CNTs nanocomposite as an advanced anode material for high-performance Li <sup>+</sup> -ion storage. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 732, 116-123	5.7	15
23	An inverse opal CuNbO anode for high-performance Li storage. <i>Chemical Communications</i> , <b>2020</b> , 56, 7321-7324	1.4	14
22	Fluorine substitution enabling pseudocapacitive intercalation of sodium ions in niobium oxyfluoride. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 20813-20823	13	10
21	A New Sodium Calcium Cyclotetranadate Framework: Zero-Strain During Large-Capacity Lithium Intercalation. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2105026	15.6	10
20	Li <sub>3.33</sub> Cu <sub>1.005</sub> Ti <sub>4.665</sub> O <sub>12</sub> /CuO composite with P4332 space group for Li-ion batteries: synergistic effect of substituting and compositing. <i>RSC Advances</i> , <b>2014</b> , 4, 31196-31200	3.7	9

19	Mo <sub>3</sub> Nb <sub>14</sub> O <sub>44</sub> : A New Li <sup>+</sup> Container for High-Performance Electrochemical Energy Storage. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 65-71	13	9
18	Heavily Cr <sup>3+</sup> -modified Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> : An advanced anode material for rechargeable lithium-ion batteries. <i>Functional Materials Letters</i> , <b>2016</b> , 09, 1650012	1.2	8
17	Electrochemical construction and sodium storage performance of three-dimensional porous self-supported MoS <sub>2</sub> electrodes. <i>Functional Materials Letters</i> , <b>2018</b> , 11, 1850050	1.2	8
16	Non-stoichiometric carbon-coated LiFexPO <sub>4</sub> as cathode materials for high-performance Li-ion batteries. <i>RSC Advances</i> , <b>2017</b> , 7, 33544-33551	3.7	8
15	Improved Performance of Na <sub>3</sub> TiMn(PO <sub>4</sub> ) <sub>3</sub> Using a Non-stoichiometric Synthesis Strategy. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2081-2089	20.1	8
14	Al <sup>3+</sup> -doped FeNb <sub>11</sub> O <sub>29</sub> anode materials with enhanced lithium-storage performance. <i>Advanced Composites and Hybrid Materials</i> , <b>2021</b> , 4, 733-742	8.7	7
13	Revisiting the Stability of the Cr/Cr Redox Couple in Sodium Superionic Conductor Compounds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 28313-28319	9.5	5
12	Titanium-containing complex oxides as anode materials for lithium-ion batteries: a review. <i>Materials Technology</i> , <b>2015</b> , 30, A192-A202	2.1	5
11	Synthesis of BCN nanoribbons from coconut shells using as high-performance anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 346, 136239	6.7	5
10	Rational Design and Synthesis of Nickel Niobium Oxide with High-Rate Capability and Cycling Stability in a Wide Temperature Range. <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2102550	21.8	5
9	Cr <sup>3+</sup> -doped Li <sub>3</sub> VO <sub>4</sub> for enhanced Li <sup>+</sup> storage. <i>Functional Materials Letters</i> , <b>2020</b> , 13, 2050005	1.2	4
8	Micro-nano structured VNb <sub>9</sub> O <sub>25</sub> anode with superior electronic conductivity for high-rate and long-life lithium storage. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 83, 66-74	9.1	4
7	VPO <sub>5</sub> : An all-climate lithium-storage material. <i>Energy Storage Materials</i> , <b>2022</b> , 46, 366-373	19.4	3
6	Partially Reduced Titanium Niobium Oxide: A High-Performance Lithium-Storage Material in a Broad Temperature Range.. <i>Advanced Science</i> , <b>2022</b> , 9, e2105119	13.6	3
5	Recent Development in the Rate Performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> . <i>Applied Science and Convergence Technology</i> , <b>2014</b> , 23, 72-82	0.8	1
4	An efficient method for large-scale preparation of high-purity Bi <sub>3</sub> N <sub>4</sub> nanowires and their electrochemical performance. <i>Ceramics International</i> , <b>2021</b> , 47, 11304-11312	5.1	1
3	BiNb <sub>5</sub> . <sub>4</sub> O <sub>15</sub> : A new Li <sup>+</sup> -storage material with a tetragonal tungsten bronze crystal structure. <i>Functional Materials Letters</i> , <b>2021</b> , 14, 2150005	1.2	1
2	Transformation of Spinel Zn <sub>2</sub> Mn <sub>4</sub> O <sub>8</sub> ·H <sub>2</sub> O to Layered MnO <sub>2</sub> -Based Composite Nanosheets with Enhanced Capacitance in Aqueous Electrolyte. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2021</b> , 218, 2000649	1.6	1

1 The exploration of a  $\text{CuNb}_3\text{O}_8$   $\text{Li}^+$ -storage anode compound. *Materials Technology*, 1-8

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