

# Chi-Ying Vanessa Li

## List of Publications by Year in descending order

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27  
papers

657  
citations

567281

15  
h-index

580821

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g-index

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28  
docs citations

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times ranked

1217  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable synthesis of ordered mesoporous binary metal oxide: $Ce_xZr_{1-x}O_2$ as thermally stable catalyst for enhanced CO oxidation. <i>Materials Today Communications</i> , 2021, 26, 101811.	1.9	3
2	Imparting UiO-66 with fast cation exchange property via sulfonating organic linkers for selective adsorption. <i>Separation and Purification Technology</i> , 2021, 260, 118219.	7.9	20
3	Protonated Emeraldine Polyaniline Threaded MIL-101 as a Conductive High Surface Area Nanoporous Electrode. <i>ACS Energy Letters</i> , 2021, 6, 3769-3779.	17.4	19
4	Studies of Superoxide Degradation Kinetics and Electrolyte Management for a Reversible $NaO_2$ Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4317-4324.	6.7	9
5	Interfacing $TiO_2$ (B) Nanofibers with $Li_4Ti_5O_{12}$ Towards Highly Reversible and Durable $TiO_2$ -based Anode for $Li^+$ Ion Batteries. <i>Energy Technology</i> , 2019, 7, 107-112.	3.8	4
6	Highly Selective Transport of Alkali Metal Ions by Nanochannels of Polyelectrolyte Threaded MIL-53 Metal Organic Framework. <i>Nano Letters</i> , 2019, 19, 4990-4996.	9.1	31
7	Exploring the ionic interfaces of three-electrolyte pH differential power sources. <i>Electrochimica Acta</i> , 2019, 320, 134526.	5.2	1
8	Recent Development of Aprotic $NaO_2$ Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 724-724.	4.7	1
9	Hierarchical macropore-mesoporous shell carbon dispersed with $Li_4Ti_5O_{12}$ for excellent high rate sub-freezing Li-ion battery performance. <i>Carbon</i> , 2019, 145, 614-621.	10.3	17
10	An Acid-Base Battery with Oxygen Electrodes: A Laboratory Demonstration of Electrochemical Power Sources. <i>Journal of Chemical Education</i> , 2019, 96, 1701-1706.	2.3	9
11	Recent Development of Aprotic $NaO_2$ Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 725-742.	4.7	44
12	Three-electrolyte electrochemical energy storage systems using both anion- and cation-exchange membranes as separators. <i>Energy</i> , 2019, 167, 1011-1018.	8.8	18
13	High-voltage pH differential vanadium-hydrogen flow battery. <i>Materials Today Energy</i> , 2018, 10, 126-131.	4.7	12
14	Hydrogen battery using neutralization energy. <i>Nano Energy</i> , 2018, 53, 240-244.	16.0	25
15	Catalytic Palladium Film Deposited by Scalable Low-Temperature Aqueous Combustion. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33298-33307.	8.0	4
16	Advancing Lithium-Oxygen Battery Technology with an Iron-Nitrogen-Doped Mesoporous Core-Shell Carbon Cathode Loaded with Ruthenium(IV) Oxide Nanoparticles. <i>Energy Technology</i> , 2017, 5, 732-739.	3.8	6
17	Colloidal Solution Combustion Synthesis: Toward Mass Production of a Crystalline Uniform Mesoporous $CeO_2$ Catalyst with Tunable Porosity. <i>Chemistry of Materials</i> , 2016, 28, 2768-2775.	6.7	65
18	A Study of Alkaline-Based $H_2$ - $Br_2$ and $H_2$ - $I_2$ Reversible Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2016, 163, F1471-F1479.	2.9	7

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19	Scalable Template-Free Synthesis of $\text{Na}_2\text{Ti}_3\text{O}_7/\text{Na}_2\text{Ti}_6\text{O}_{13}$ Nanorods with Composition Tunable for Synergistic Performance in Sodium-Ion Batteries. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 10065-10072.	3.7	43
20	Investigations of High Voltage Vanadium-Metal Hydride Flow Battery toward kWh Scale Storage with $100\text{ cm}^2$ Electrodes. <i>Journal of the Electrochemical Society</i> , 2016, 163, A5180-A5187.	2.9	15
21	Combustion synthesis of $\text{Cr}_2\text{O}_3$ octahedra with a chromium-containing metal-organic framework as a sacrificial template. <i>CrystEngComm</i> , 2015, 17, 2620-2623.	2.6	21
22	Polystyrenesulfonate Threaded in MIL-101Cr(III): A Cationic Polyelectrolyte Synthesized Directly into a Metal-Organic Framework. <i>Chemistry of Materials</i> , 2015, 27, 3601-3608.	6.7	52
23	Metal-Organic Framework Threaded with Aminated Polymer Formed <i>in Situ</i> for Fast and Reversible Ion Exchange. <i>Journal of the American Chemical Society</i> , 2014, 136, 7209-7212.	13.7	107
24	A functionalized MIL-101(Cr) metal-organic framework for enhanced hydrogen release from ammonia borane at low temperature. <i>Chemical Communications</i> , 2013, 49, 10629.	4.1	50
25	High Voltage Vanadium-Metal Hydride Rechargeable Semi-Flow Battery. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1384-A1389.	2.9	24
26	Complex Impedance with Transmission Line Model and Complex Capacitance Analysis of Ion Transport and Accumulation in Hierarchical Core-Shell Porous Carbons. <i>Journal of the Electrochemical Society</i> , 2013, 160, H271-H278.	2.9	50
27	Highly Durable Pt-Ru-Doped $\text{Ce}_{0.9}\text{Zr}_{0.1}\text{O}_2$ as an Effective Dual Catalyst for Low-Temperature Simultaneous Propane and Carbon Monoxide Oxidation. <i>Journal of Physical Chemistry C</i> , 0, , .	3.1	0