

Yongjiu Lei

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.

35
papers

2,399
citations

22
h-index

39
g-index

39
ext. papers

3,306
ext. citations

16.5
avg, IF

5.67
L-index

#	Paper	IF	Citations
35	Lattice Orientation Heredity in the Transformation of 2D Epitaxial Films. <i>Advanced Materials</i> , 2021 , e2105190	12.8	1
34	Muscle Fatigue Sensor Based on Ti C T MXene Hydrogel.. <i>Small Methods</i> , 2021 , 5, e2100819	12.8	5
33	Direct and continuous generation of pure acetic acid solutions via electrocatalytic carbon monoxide reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	24
32	Electrochemical multi-analyte point-of-care perspiration sensors using on-chip three-dimensional graphene electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 763-777	4.4	19
31	An unconventional full dual-cation battery. <i>Nano Energy</i> , 2021 , 81, 105539	17.1	7
30	Chiral Helimagnetism and One-Dimensional Magnetic Solitons in a Cr-Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , 2021 , 33, e2101131	24	9
29	Hierarchically structured Ti3C2Tx MXene paper for Li-S batteries with high volumetric capacity. <i>Nano Energy</i> , 2021 , 86, 106120	17.1	26
28	Two-Dimensional TiO2/TiS2 Hybrid Nanosheet Anodes for High-Rate Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 8721-8727	6.1	2
27	All-Carbon Hybrid Mobile Ion Capacitors Enabled by 3D Laser-Scribed Graphene. <i>Energy Technology</i> , 2020 , 8, 2000193	3.5	2
26	Unprecedented Surface Plasmon Modes in Monoclinic MoO Nanostructures. <i>Advanced Materials</i> , 2020 , 32, e1908392	24	12
25	Review of MXene electrochemical microsupercapacitors. <i>Energy Storage Materials</i> , 2020 , 27, 78-95	19.4	105
24	Laser-Scribed Graphene Electrodes Derived from Lignin for Biochemical Sensing. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1166-1174	5.6	35
23	Hydrated Mg _x V ₅ O ₁₂ Cathode with Improved Mg ²⁺ Storage Performance. <i>Advanced Energy Materials</i> , 2020 , 10, 2002128	21.8	13
22	Efficient Na-Ion Storage in 2D TiS ₂ Formed by a Vapor Phase Anion-Exchange Process. <i>Small Methods</i> , 2020 , 4, 2000439	12.8	6
21	Anisotropic Growth of Al-Intercalated Vanadate by Tuning Surface Hydrophilicity for High-Rate Zn-Ion Storage. <i>Small Structures</i> , 2020 , 1, 2000040	8.7	23
20	3D Laser Scribed Graphene Derived from Carbon Nanospheres: An Ultrahigh-Power Electrode for Supercapacitors. <i>Small Methods</i> , 2019 , 3, 1900005	12.8	47
19	On-Chip MXene Microsupercapacitors for AC-Line Filtering Applications. <i>Advanced Energy Materials</i> , 2019 , 9, 1901061	21.8	64

18	Porous MXenes enable high performance potassium ion capacitors. <i>Nano Energy</i> , 2019 , 62, 853-860	17.1	115
17	Wettability-Driven Assembly of Electrochemical Microsupercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20905-20914	9.5	24
16	A MXene-Based Wearable Biosensor System for High-Performance In Vitro Perspiration Analysis. <i>Small</i> , 2019 , 15, e1901190	11	157
15	Heterostructured MXene and g-C ₃ N ₄ for high-rate lithium intercalation. <i>Nano Energy</i> , 2019 , 65, 104030	17.1	37
14	Artificial Solid Electrolyte Interphase for Suppressing Surface Reactions and Cathode Dissolution in Aqueous Zinc Ion Batteries. <i>ACS Energy Letters</i> , 2019 , 4, 2776-2781	20.1	89
13	KAUSTat: A Wireless, Wearable, Open-Source Potentiostat for Electrochemical Measurements 2019		4
12	MXene Derived Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 20037-20042	20.1	49
11	Solubility contrast strategy for enhancing intercalation pseudocapacitance in layered MnO ₂ electrodes. <i>Nano Energy</i> , 2019 , 56, 357-364	17.1	27
10	Solution synthesis of VSe ₂ nanosheets and their alkali metal ion storage performance. <i>Nano Energy</i> , 2018 , 53, 11-16	17.1	69
9	Lignin Laser Lithography: A Direct-Write Method for Fabricating 3D Graphene Electrodes for Microsupercapacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1801840	21.8	111
8	Rechargeable Aqueous Zinc-Ion Battery Based on Porous Framework Zinc Pyrovanadate Intercalation Cathode. <i>Advanced Materials</i> , 2018 , 30, 1705580	24	523
7	Layered Mg _x V ₂ O ₅ ·nH ₂ O as Cathode Material for High-Performance Aqueous Zinc Ion Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 2602-2609	20.1	381
6	Biofunctionalized two-dimensional TiC MXenes for ultrasensitive detection of cancer biomarker. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 243-249	11.8	187
5	Highly Doped 3D Graphene Na-Ion Battery Anode by Laser Scribing Polyimide Films in Nitrogen Ambient. <i>Advanced Energy Materials</i> , 2018 , 8, 1800353	21.8	61
4	Oxygen-Rich Enzyme Biosensor Based on Superhydrophobic Electrode. <i>Advanced Materials</i> , 2016 , 28, 1477-81	24	102
3	Strongly Coupled Rhodium/Graphene Hybrids for H ₂ O ₂ Oxidation with Ultra-Low Potential and Enhanced Activity. <i>ChemElectroChem</i> , 2014 , 1, 1480-1483	4.3	4
2	Concentrated dual-cation electrolyte strategy for aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> ,	35.4	42
1	Electrochemical Thin-Film Transistors using Covalent Organic Framework Channel. <i>Advanced Functional Materials</i> , 2201120	15.6	2

