

Pierre-Louis Taberna

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

9,044
citations

394286

19
h-index

526166

27
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33
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docs citations

33
times ranked

10352
citing authors

#	ARTICLE	IF	CITATIONS
1	High-rate electrochemical energy storage through Li ⁺ intercalation pseudocapacitance. <i>Nature Materials</i> , 2013, 12, 518-522.	13.3	4,021
2	Ultra-high-rate pseudocapacitive energy storage in two-dimensional transition metal carbides. <i>Nature Energy</i> , 2017, 2, .	19.8	1,626
3	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. <i>Nature Materials</i> , 2020, 19, 894-899.	13.3	870
4	Long-term cycling behavior of asymmetric activated carbon/MnO ₂ aqueous electrochemical supercapacitor. <i>Journal of Power Sources</i> , 2007, 173, 633-641.	4.0	453
5	Nanoporous carbon for electrochemical capacitive energy storage. <i>Chemical Society Reviews</i> , 2020, 49, 3005-3039.	18.7	391
6	Two-Dimensional Vanadium Carbide (MXene) as Positive Electrode for Sodium-Ion Capacitors. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2305-2309.	2.1	358
7	Electrochemical Quartz Crystal Microbalance (EQCM) Study of Ion Dynamics in Nanoporous Carbons. <i>Journal of the American Chemical Society</i> , 2014, 136, 8722-8728.	6.6	248
8	Capacitance of two-dimensional titanium carbide (MXene) and MXene/carbon nanotube composites in organic electrolytes. <i>Journal of Power Sources</i> , 2016, 306, 510-515.	4.0	245
9	Hard carbons derived from green phenolic resins for Na-ion batteries. <i>Carbon</i> , 2018, 139, 248-257.	5.4	131
10	Alkali Ions Pre-Intercalated Layered MnO ₂ Nanosheet for Zinc-Ions Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2101287.	10.2	120
11	Exfoliation and Delamination of Ti ₃ C ₂ T _x MXene Prepared via Molten Salt Etching Route. <i>ACS Nano</i> , 2022, 16, 111-118.	7.3	107
12	Li-ion storage properties of two-dimensional titanium-carbide synthesized via fast one-pot method in air atmosphere. <i>Nature Communications</i> , 2021, 12, 5085.	5.8	88
13	3D rGO aerogel with superior electrochemical performance for K ⁺ Ion battery. <i>Energy Storage Materials</i> , 2019, 19, 306-313.	9.5	70
14	Charge Storage Mechanisms of Single-Layer Graphene in Ionic Liquid. <i>Journal of the American Chemical Society</i> , 2019, 141, 16559-16563.	6.6	67
15	Future Directions for Electrochemical Capacitors. <i>ACS Energy Letters</i> , 2021, 6, 4311-4316.	8.8	53
16	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13317-13322.	7.2	31
17	Proton Ion Exchange Reaction in Li ₃ IrO ₄ : A Way to New H ₃ XIrO ₄ Phases Electrochemically Active in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018, 8, 1702855.	10.2	29
18	Investigation of ion transport in chemically tuned pillared graphene materials through electrochemical impedance analysis. <i>Electrochimica Acta</i> , 2019, 296, 882-890.	2.6	27

#	ARTICLE	IF	CITATIONS
19	Molten Saltâ€Shielded Synthesis (MS ³) of MXenes in Air. Energy and Environmental Materials, 2023, 6, .	7.3	25
20	Tracking ionic fluxes in porous carbon electrodes from aqueous electrolyte mixture at various pH. Electrochemistry Communications, 2018, 93, 119-122.	2.3	22
21	Ultrafast Synthesis of Calcium Vanadate for Superior Aqueous Calcium-Ion Battery. Research, 2019, 2019, 6585686.	2.8	14
22	The effects of local graphitization on the charging mechanisms of microporous carbon supercapacitor electrodes. Electrochemistry Communications, 2022, 137, 107258.	2.3	10
23	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. Angewandte Chemie, 2021, 133, 13429-13434.	1.6	5
24	Non - electrochemical Na â€ deintercalation from O3 NaVO2. Materials Research Bulletin, 2020, 121, 110586.	2.7	4
25	An Artificial Interface for High Cell Voltage Aqueous-Based Electrochemical Capacitors. Journal of the Electrochemical Society, 2021, 168, 070520.	1.3	3
26	RÃ¼cktitelbild: Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance (Angew. Chem. 24/2021). Angewandte Chemie, 2021, 133, 13800-13800.	1.6	1
27	pH Micro-Sensor from Iro _x SECM Microelectrode for Local pH Measurement While Chromium Electrodeposition. ECS Meeting Abstracts, 2021, MA2021-02, 1584-1584.	0.0	1
28	pH Micro-Sensor from IrO _x SECM Microelectrode for Local pH Measurement While Chromium Electrodeposition. ECS Meeting Abstracts, 2021, MA2021-01, 1481-1481.	0.0	0
29	Wafer-Scale Fabrication of Solid-State on-Chip Microsupercapacitors Based on Silicon-Processing Techniques. ECS Meeting Abstracts, 2020, MA2020-01, 4-4.	0.0	0
30	Mo Thio and Oxo-Thio Molecular Complexes As Water-Soluble Self-Healing Catalysts for Photocatalytic Hydrogen Evolution on 2D Materials. ECS Meeting Abstracts, 2020, MA2020-02, 3060-3060.	0.0	0
31	Operando Tracking of Ionic and Electronic Percolation in Electrodes for Energy Storage Application Using AC-in Plane Impedance. ECS Meeting Abstracts, 2022, MA2022-01, 108-108.	0.0	0