

pierre Kubiak

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,597
citations

279798

23
h-index

526287

27
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30
all docs

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docs citations

30
times ranked

3880
citing authors

#	ARTICLE	IF	CITATIONS
1	High surface area crystalline titanium dioxide: potential and limits in electrochemical energy storage and catalysis. <i>Chemical Society Reviews</i> , 2012, 41, 5313.	38.1	395
2	Chemical and Electrochemical Li-Insertion into the $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Spinel. <i>Chemistry of Materials</i> , 2004, 16, 5721-5725.	6.7	307
3	Crystal chemistry of Na insertion/deinsertion in $\text{FePO}_4 \leftrightarrow \text{NaFePO}_4$. <i>Journal of Materials Chemistry</i> , 2012, 22, 17421.	6.7	189
4	High voltage cathode materials for Na-ion batteries of general formula $\text{Na}_3\text{V}_2\text{O}_2\text{x}(\text{PO}_4)_2\text{F}_3 \cdot 2\text{x}$. <i>Journal of Materials Chemistry</i> , 2012, 22, 22301.	6.7	174
5	Phase transition in the spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ induced by lithium insertion. <i>Journal of Power Sources</i> , 2003, 119-121, 626-630.	7.8	137
6	Understanding Lithium Inventory Loss and Sudden Performance Fade in Cylindrical Cells during Cycling with Deep-Discharge Steps. <i>Journal of Physical Chemistry C</i> , 2015, 119, 896-906.	3.1	132
7	Electrochemical evaluation of rutile TiO_2 nanoparticles as negative electrode for Li-ion batteries. <i>Journal of Power Sources</i> , 2009, 194, 1099-1104.	7.8	124
8	Electrochemical Na Extraction/Insertion of $\text{Na}_3\text{V}_2\text{O}_2\text{x}(\text{PO}_4)_2\text{F}_3 \cdot 2\text{x}$. <i>Chemistry of Materials</i> , 2013, 25, 4917-4925.		112
9	Sodium Distribution and Reaction Mechanisms of a $\text{Na}_3\text{V}_2\text{O}_2\text{x}(\text{PO}_4)_2\text{F}_3$ Electrode during Use in a Sodium-Ion Battery. <i>Chemistry of Materials</i> , 2014, 26, 3391-3402.	6.7	112
10	TiO_2 rutile – An alternative anode material for safe lithium-ion batteries. <i>Journal of Power Sources</i> , 2011, 196, 6815-6821.	7.8	111
11	TiO_2 Anatase Nanoparticle Networks: Synthesis, Structure, and Electrochemical Performance. <i>Small</i> , 2011, 7, 1690-1696.	10.0	91
12	Electrochemical performance of mixed valence $\text{Na}_3\text{V}_2\text{O}_2\text{x}(\text{PO}_4)_2\text{F}_3 \cdot 2\text{x}/\text{C}$ as cathode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2013, 241, 56-60.	7.8	84
13	Size Particle Effects on Lithium Insertion into Sn-doped TiO_2 Anatase. <i>Chemistry of Materials</i> , 2006, 18, 1401-1406.	6.7	81
14	Electrochemical performance of mesoporous TiO_2 anatase. <i>Journal of Power Sources</i> , 2008, 175, 510-516.	7.8	81
15	Structural and Electrochemical Study of a New Crystalline Hydrated Iron(III) Phosphate $\text{FePO}_4 \cdot \text{H}_2\text{O}$ Obtained from $\text{LiFePO}_4(\text{OH})$ by Ion Exchange. <i>Chemistry of Materials</i> , 2010, 22, 1854-1861.	6.7	63
16	Low temperature behaviour of TiO_2 rutile as negative electrode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2011, 196, 9825-9829.	7.8	61
17	Mesoporous anatase TiO_2 composite electrodes: Electrochemical characterization and high rate performances. <i>Journal of Power Sources</i> , 2009, 189, 585-589.	7.8	49
18	Electronic structure of the spinel $\text{Li}_4\text{Ti}_5\text{O}_{12}$ studied by ab initio calculations and X-ray absorption spectroscopy. <i>Solid State Sciences</i> , 2004, 6, 161-166.	3.2	48

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19	Enhanced electrochemical performance of vanadyl (IV) Na ₃ (VO) ₂ (PO ₄) ₂ F by ex-situ carbon coating. Electrochemistry Communications, 2013, 34, 344-347.	4.7	48
20	<scp>Lithium-ion</scp> battery<scp>SOC</scp>/<scp>SOH</scp> adaptive estimation via simplified single particle model. International Journal of Energy Research, 2020, 44, 12444-12459.	4.5	46
21	Nanosized TiO ₂ Rutile with High Capacity and Excellent Rate Capability. Electrochemical and Solid-State Letters, 2010, 13, A91.	2.2	41
22	SEI Formation on TiO ₂ Rutile. Journal of the Electrochemical Society, 2012, 159, A809-A814.	2.9	27
23	Calendar aging of a 250kWh/500kWh Li-ion battery deployed for the grid storage application. Journal of Power Sources, 2017, 372, 16-23.	7.8	27
24	An advanced configuration TiO ₂ /LiFePO ₄ polymer lithium ion battery. Journal of Power Sources, 2012, 217, 459-463.	7.8	23
25	Demonstration study of hybrid solar power generation/storage micro-grid system under Qatar climate conditions. Solar Energy Materials and Solar Cells, 2018, 180, 280-288.	6.2	19
26	Preparation, characterization, and electrochemical performances of carbon-coated TiO ₂ anatase. Ionics, 2009, 15, 657-663.	2.4	9
27	Online parameter estimation/tracking for Lithium-ion battery RC model. , 2016, , .		5
28	Processing nanoparticle-free nanocarbon composites as binder-free electrodes for lithium-based batteries. Materials for Renewable and Sustainable Energy, 2017, 6, 1.	3.6	1
29	Electronic Structure of the Spinel Li ₄ Ti ₅ O ₁₂ Studied by ab initio Calculations and X-Ray Absorption Spectroscopy.. ChemInform, 2004, 35, no.	0.0	0