

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
g-index

30
all docs

30
docs citations

30
times ranked

3880
citing authors

#	ARTICLE	IF	CITATIONS
1	<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
2	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
3	Processing nanoparticle-“nanocarbon composites as binder-free electrodes for lithium-based batteries. Materials for Renewable and Sustainable Energy, 2017, 6, 1.	3.6	1
4	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
5	Online parameter estimation/tracking for Lithium-ion battery RC model. , 2016, , .		5
6	Understanding Lithium Inventory Loss and Sudden Performance Fade in Cylindrical Cells during Cycling with Deep-Discharge Steps. Journal of Physical Chemistry C, 2015, 119, 896-906.	3.1	132
7	Sodium Distribution and Reaction Mechanisms of a Na ₃ V ₂ O ₂ (PO ₄) ₂ F Electrode during Use in a Sodium-Ion Battery. Chemistry of Materials, 2014, 26, 3391-3402.	6.7	112
8	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
9	Electrochemical performance of mixed valence Na ₃ V ₂ O ₂ x(PO ₄) ₂ F ₃ ~2x/C as cathode for sodium-ion batteries. Journal of Power Sources, 2013, 241, 56-60.	7.8	84
10	Electrochemical Na Extraction/Insertion of Na ₃ V ₂ O ₂ x(PO ₄) ₂ F ₃ ~2x. Chemistry of Materials, 2013, 25, 4917-4925.		112
11	SEI Formation on TiO ₂ Rutile. Journal of the Electrochemical Society, 2012, 159, A809-A814.	2.9	27
12	High voltage cathode materials for Na-ion batteries of general formula Na ₃ V ₂ O ₂ x(PO ₄) ₂ F ₃ ~2x. Journal of Materials Chemistry, 2012, 22, 22301.	6.7	174
13	An advanced configuration TiO ₂ /LiFePO ₄ polymer lithium ion battery. Journal of Power Sources, 2012, 217, 459-463.	7.8	23
14	Crystal chemistry of Na insertion/deinsertion in FePO ₄ ~NaFePO ₄ . Journal of Materials Chemistry, 2012, 22, 17421.	6.7	189
15	High surface area crystalline titanium dioxide: potential and limits in electrochemical energy storage and catalysis. Chemical Society Reviews, 2012, 41, 5313.	38.1	395
16	Low temperature behaviour of TiO ₂ rutile as negative electrode material for lithium-ion batteries. Journal of Power Sources, 2011, 196, 9825-9829.	7.8	61
17	TiO ₂ Anatase Nanoparticle Networks: Synthesis, Structure, and Electrochemical Performance. Small, 2011, 7, 1690-1696.	10.0	91
18	TiO ₂ rutile~An alternative anode material for safe lithium-ion batteries. Journal of Power Sources, 2011, 196, 6815-6821.	7.8	111

#	ARTICLE	IF	CITATIONS
19	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
20	Nanosized TiO_2 Rutile with High Capacity and Excellent Rate Capability. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, A91.	2.2	41
21	Preparation, characterization, and electrochemical performances of carbon-coated TiO_2 anatase. <i>Ionics</i> , 2009, 15, 657-663.	2.4	9
22	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
23	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
24	Electrochemical performance of mesoporous TiO_2 anatase. <i>Journal of Power Sources</i> , 2008, 175, 510-516.	7.8	81
25	Size Particle Effects on Lithium Insertion into Sn-doped TiO_2 Anatase. <i>Chemistry of Materials</i> , 2006, 18, 1401-1406.	6.7	81
26	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
27	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
28	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>ChemInform</i> , 2004, 35, no.	0.0	0
29	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