

Mario Wachtler

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.

36
papers

2,083
citations

21
h-index

38
g-index

38
ext. papers

2,218
ext. citations

6.4
avg, IF

4.62
L-index

#	Paper	IF	Citations
36	Carbon and Graphite for Electrochemical Power Sources* 2021 , 379-455		
35	Prospects for Improved Magnesorcene-Based Magnesium Battery Electrolytes. <i>Batteries and Supercaps</i> , 2021 , 4, 1335-1343	5.6	0
34	Model Studies on Solid Electrolyte Interphase Formation on Graphite Electrodes in Ethylene Carbonate and Dimethyl Carbonate II: Graphite Powder Electrodes. <i>ChemElectroChem</i> , 2020 , 7, 4794-4809	4.3	2
33	Ferrocene-functionalized polyheteroacenes for the use as cathode active material in rechargeable batteries.. <i>RSC Advances</i> , 2018 , 8, 14193-14200	3.7	9
32	Laser Porosificated Silicon Anodes for Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1701705	1.8	16
31	Electrochemical Formation and Characterization of Surface Blocking Layers on Gold and Platinum by Oxygen Reduction in Mg(ClO ₄) ₂ in DMSO. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A2037-A2046	3.9	6
30	Synthesis and characterization of electroactive PEDOT-TEMPO polymers as potential cathode materials in rechargeable batteries. <i>Synthetic Metals</i> , 2018 , 243, 51-57	3.6	24
29	Morphology and texture of spheroidized natural and synthetic graphites. <i>Carbon</i> , 2017 , 111, 764-773	10.4	21
28	Investigation of the Electrochemical Oxygen Reduction Reaction in Non-Aqueous, Magnesium-Ion-Containing Electrolytes for Magnesium Air Batteries. <i>ECS Transactions</i> , 2017 , 75, 3-12	1	3
27	Multi-phase formation induced by kinetic limitations in graphite-based lithium-ion cells: Analyzing the effects on dilation and voltage response. <i>Journal of Energy Storage</i> , 2017 , 10, 1-10	7.8	23
26	Magnesorcene-Based Electrolytes: A New Class of Electrolytes for Magnesium Batteries. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14958-14962	16.4	33
25	Magnesorcene-Based Electrolytes: A New Class of Electrolytes for Magnesium Batteries. <i>Angewandte Chemie</i> , 2016 , 128, 15182-15186	3.6	10
24	Understanding the dilation and dilation relaxation behavior of graphite-based lithium-ion cells. <i>Journal of Power Sources</i> , 2016 , 317, 93-102	8.9	74
23	Influence of the solid electrolyte interphase on the performance of redox shuttle additives in Li-ion batteries I A rotating ring-disc electrode study. <i>Journal of Power Sources</i> , 2015 , 273, 123-127	8.9	16
22	Flammability of Li-Ion Battery Electrolytes: Flash Point and Self-Extinguishing Time Measurements. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A3084-A3097	3.9	173
21	Synthesis and Characterization of Guanidinium-Based Ionic Liquids as Possible Electrolytes in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A753-A761	3.9	8
20	Electrochemical stability of lithium salicylato-borates as electrolyte additives in Li-ion batteries. <i>Journal of Power Sources</i> , 2013 , 239, 659-669	8.9	17

19	Electrochemical behaviour of Sn and Sn \bar{C} composite electrodes in LiBOB containing electrolytes. <i>Journal of Power Sources</i> , 2011 , 196, 349-354	8.9	24
18	Carbon nanotubes as nanotexturing agents for high power supercapacitors based on seaweed carbons. <i>ChemSusChem</i> , 2011 , 4, 943-9	8.3	68
17	Determination of the safety level of an advanced lithium ion battery having a nanostructured Sn \bar{C} anode, a high voltage LiNi $\bar{0}$.5Mn $\bar{1}$.5O $\bar{4}$ cathode, and a polyvinylidene fluoride-based gel electrolyte. <i>Electrochimica Acta</i> , 2010 , 55, 4194-4200	6.7	18
16	Film formation in LiBOB-containing electrolytes. <i>Journal of Power Sources</i> , 2006 , 153, 396-401	8.9	58
15	The behaviour of graphite, carbon black, and Li $\bar{4}$ Ti $\bar{5}$ O $\bar{12}$ in LiBOB-based electrolytes. <i>Journal of Applied Electrochemistry</i> , 2006 , 36, 1199-1206	2.6	34
14	Pyrolysis of hexa(phenyl)benzene derivatives: a molecular approach toward carbonaceous materials for Li-ion storage. <i>Journal of Power Sources</i> , 2005 , 139, 242-249	8.9	27
13	Optical Properties of Rare-Earth Ions in Lead Germanate Glasses. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2045-2052	3.8	118
12	Evaluation of Alloys Synthesized by Mechanical Alloying as Potential Anode Materials for Lithium-Ion Batteries. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004 , 20-21, 263-268	0.2	2
11	A Safe, Low-Cost, and Sustainable Lithium-Ion Polymer Battery. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A2138	3.9	79
10	Nanotechnology for the progress of lithium batteries R&D. <i>Journal of Power Sources</i> , 2004 , 129, 90-95	8.9	42
9	A study on PVdF-based SiO $\bar{2}$ -containing composite gel-type polymer electrolytes for lithium batteries. <i>Electrochimica Acta</i> , 2004 , 50, 357-361	6.7	66
8	Structured Silicon Anodes for Lithium Battery Applications. <i>Electrochemical and Solid-State Letters</i> , 2003 , 6, A75		313
7	Anodic materials for rechargeable Li-batteries. <i>Journal of Power Sources</i> , 2002 , 105, 151-160	8.9	230
6	Studies on the Anode/Electrolyte Interface in Lithium Ion Batteries. <i>Monatshefte Für Chemie</i> , 2001 , 132, 473-486	1.4	136
5	Tin and tin-based intermetallics as new anode materials for lithium-ion cells. <i>Journal of Power Sources</i> , 2001 , 94, 189-193	8.9	293
4	The effect of the binder morphology on the cycling stability of Li \bar{C} alloy composite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 510, 12-19	4.1	67
3	Site-selective spectroscopy of Eu $\bar{3}$ + doped lead germanate glasses. <i>Journal of Non-Crystalline Solids</i> , 2001 , 288, 114-120	3.9	18
2	Fluorescence line narrowing spectroscopy of a lead germanate glass doped with Eu $\bar{3}$ +. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 2157-2162	4.4	10

- 1 Phonon sidebands and vibrational properties of Eu³⁺ doped lead germanate glasses. *Journal of Non-Crystalline Solids*, **1997**, 217, 111-114 3·9 44