

Piercarlo Mustarelli

List of Publications by Year in descending order

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242
papers

9,269
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43973

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cathode Active Material Recycling from Spent Lithium Batteries: A Green (Circular) Approach Based on Deep Eutectic Solvents. <i>ChemSusChem</i> , 2022, 15, .	3.6	44
2	Aquivion [®] -based anionic membranes for water electrolysis. <i>Electrochimica Acta</i> , 2022, 405, 139834.	2.6	5
3	Composite solid-state electrolyte based on hybrid poly(ethylene glycol)-silica fillers enabling long-life lithium metal batteries. <i>Electrochimica Acta</i> , 2022, 411, 140060.	2.6	6
4	What is Next in Anion [®] Exchange Membrane Water Electrolyzers? Bottlenecks, Benefits, and Future. <i>ChemSusChem</i> , 2022, 15, .	3.6	77
5	Physicochemical properties of Pyr13TFSI-NaTFSI electrolyte for sodium batteries. <i>Electrochimica Acta</i> , 2022, 412, 140123.	2.6	11
6	Polymorphism in Na ₂ (Co/Zn)P ₂ O ₇ and Na ₂ (Co/Fe)P ₂ O ₇ Pyrophosphates: A Combined Diffraction and ³¹ P NMR Study. <i>Journal of Physical Chemistry C</i> , 2022, 126, 701-708.	1.5	4
7	The Electrical Response of Real Dielectrics: Using the Voltage Ramp Method as a Straightforward Diagnostic Tool for Polymeric Composites. <i>Materials</i> , 2022, 15, 3829.	1.3	0
8	Physicochemical Properties of PEG [®] -Based Inorganic Hybrids Obtained via Sol [®] Gel. <i>Macromolecular Symposia</i> , 2021, 395, 2000210.	0.4	0
9	Autonomous Self-Healing Strategy for Stable Sodium-Ion Battery: A Case Study of Black Phosphorus Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13170-13182.	4.0	31
10	The Importance of Interphases in Energy Storage Devices: Methods and Strategies to Investigate and Control Interfacial Processes. <i>Physchem</i> , 2021, 1, 26-44.	0.5	0
11	Circular Economy and the Fate of Lithium Batteries: Second Life and Recycling. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100047.	2.8	16
12	Facile Chemical Modification of Aquivion [®] Membranes for Anionic Fuel Cells. <i>ChemElectroChem</i> , 2021, 8, 2231-2237.	1.7	12
13	Zaltoprofen/4,4 [®] -Bipyridine: A Case Study to Demonstrate the Potential of Differential Scanning Calorimetry (DSC) in the Pharmaceutical Field. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3690-3701.	1.6	3
14	Standardization and normalization of capacity vs. current rate behavior of intercalation electrodes for Li-ion and Na-ion batteries. <i>Journal of Energy Storage</i> , 2021, 42, 103055.	3.9	15
15	A physico-chemical investigation of highly concentrated potassium acetate solutions towards applications in electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1139-1145.	1.3	19
16	Probenecid and benzamide: cocrystal prepared by a green method and its physico-chemical and pharmaceutical characterization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1859-1869.	2.0	13
17	Exploiting Self [®] Healing in Lithium Batteries: Strategies for Next [®] Generation Energy Storage Devices. <i>Advanced Energy Materials</i> , 2020, 10, 2002815.	10.2	38
18	Editorial: Electrode Materials for Lithium and Post-Lithium Rechargeable Batteries. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	2

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19	Is It Possible to Obtain Solvent-Free, Li ⁺ -Conducting Solid Electrolytes Based on Pure PVDF? Comment on "Self-Suppression of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene difluoride)-Based Solid Electrolytes". <i>Advanced Materials</i> , 2020, 32, e1907375.	11.1	46
20	Insight into the charge/discharge behaviour of intercalation cathode materials: relation between delivered capacity and applied rate and analysis of multi-particle intercalation mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6351-6360.	1.3	20
21	Review "Emerging Trends in the Design of Electrolytes for Lithium and Post-Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 050508.	1.3	89
22	Polymer-in-Ceramic Nanocomposite Solid Electrolyte for Lithium Metal Batteries Encompassing PEO-Grafted TiO ₂ Nanocrystals. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070535.	1.3	25
23	Additive Manufacturing of Aqueous-Processed LiMn ₂ O ₄ Thick Electrodes for High-Energy-Density Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 1040-1050.	2.4	16
24	Correlating Structure and Properties of Super-Concentrated Electrolyte Solutions: ¹⁷ O NMR and Electrochemical Characterization. <i>ChemElectroChem</i> , 2019, 6, 4002-4009.	1.7	7
25	A safe quasi-solid electrolyte based on a nanoporous ceramic membrane for high-energy, lithium metal batteries. <i>Electrochimica Acta</i> , 2019, 320, 134539.	2.6	6
26	Understanding the Effect of UV-Induced Cross-Linking on the Physicochemical Properties of Highly Performing PEO/LiTFSI-Based Polymer Electrolytes. <i>Langmuir</i> , 2019, 35, 8210-8219.	1.6	92
27	Efficiency and Quality Issues in the Production of Black Phosphorus by Mechanochemical Synthesis: A Multi-Technique Approach. <i>ACS Applied Energy Materials</i> , 2019, 2, 2794-2802.	2.5	18
28	NASICON-type polymer-in-ceramic composite electrolytes for lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6142-6149.	1.3	50
29	Enhancing the Pharmaceutical Behavior of Nateglinide by Cocrystallization: Physicochemical Assessment of Cocrystal Formation and Informed Use of Differential Scanning Calorimetry for Its Quantitative Characterization. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1529-1539.	1.6	16
30	Silicon-doped LiNi _{0.5} Mn _{1.5} O ₄ as a high-voltage cathode for Li-ion batteries. <i>Solid State Ionics</i> , 2018, 320, 1-6.	1.3	30
31	Photosynthetic microbial fuel cell with polybenzimidazole membrane: synergy between bacteria and algae for wastewater removal and biorefinery. <i>Heliyon</i> , 2018, 4, e00560.	1.4	45
32	Multicomponent crystals of gliclazide and tromethamine: preparation, physico-chemical, and pharmaceutical characterization. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 243-250.	0.9	13
33	To Which Extent Is Paramagnetic Solid-State NMR Able To Address Polymorphism in Complex Transition-Metal Oxides?. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6072-6076.	2.1	2
34	Bio-inspired choline chloride-based deep eutectic solvents as electrolytes for lithium-ion batteries. <i>Solid State Ionics</i> , 2018, 323, 44-48.	1.3	104
35	Polyurethane-Based Electrostrictive Nanocomposites as High Strain-Low Frequency Mechanical Energy Harvesters. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21115-21123.	1.5	2
36	Oxygen transport and chemical compatibility with electrode materials in scheelite-type LaW _x Nb _{1-x} O _{4+x/2} ceramic electrolyte. <i>Journal of Alloys and Compounds</i> , 2017, 697, 392-400.	2.8	18

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37	Al ₂ O ₃ ·2SiO ₂ powders synthesized via sol-gel as pure raw material in geopolymer preparation. Journal of the American Ceramic Society, 2017, 100, 1919-1927.	1.9	22
38	Novel composite polybenzimidazole-based proton exchange membranes as efficient and sustainable separators for microbial fuel cells. Journal of Power Sources, 2017, 348, 57-65.	4.0	50
39	Covalent and Ionic Functionalization of HLN Layered Perovskite by Sonochemical Methods. Inorganic Chemistry, 2017, 56, 645-653.	1.9	5
40	Influence of the ZnO nanoarchitecture on the electrochemical performances of binder-free anodes for Li storage. Journal of Solid State Chemistry, 2017, 247, 31-38.	1.4	4
41	Physicochemical Characterization of AlCl ₃ ·1-Ethyl-3-methylimidazolium Chloride Ionic Liquid Electrolytes for Aluminum Rechargeable Batteries. Journal of Physical Chemistry C, 2017, 121, 26607-26614.	1.5	99
42	A biomass-derived polyhydroxyalkanoate biopolymer as safe and environmental-friendly skeleton in highly efficient gel electrolytes for lithium batteries. Electrochimica Acta, 2017, 247, 63-70.	2.6	10
43	Stability of low-temperature Li ₇ La ₃ Zr ₂ O ₁₂ cubic phase: The role of temperature and atmosphere. Materials Chemistry and Physics, 2017, 185, 55-64.	2.0	19
44	Polymer and Composite Membranes for Proton-Conducting, High-Temperature Fuel Cells: A Critical Review. Materials, 2017, 10, 687.	1.3	150
45	Electrochemical Study of Na ₂ Fe _{1-x} MnxP ₂ O ₇ (x = 0, 0.25, 0.5, 0.75, 1) as Cathode Material for Rechargeable Na-Ion Batteries. Batteries, 2016, 2, 1.	2.1	29
46	Fabrication of Pt/Ti/TiO ₂ Photoelectrodes by RF-Magnetron Sputtering for Separate Hydrogen and Oxygen Production. Materials, 2016, 9, 279.	1.3	10
47	Energy harvesting from human motion: materials and techniques. Chemical Society Reviews, 2016, 45, 5455-5473.	18.7	117
48	Graphite-coated ZnO nanosheets as high-capacity, highly stable, and binder-free anodes for lithium-ion batteries. Journal of Power Sources, 2016, 320, 314-321.	4.0	70
49	Solid-state NMR characterization of the structure and thermal stability of hybrid organic-inorganic compounds based on a HLaNb ₂ O ₇ Dion-Jacobson layered perovskite. Physical Chemistry Chemical Physics, 2016, 18, 21903-21912.	1.3	17
50	Improving the performances of Nafion [®] -based membranes for microbial fuel cells with silica-based, organically-functionalized mesostructured fillers. Journal of Power Sources, 2016, 334, 120-127.	4.0	45
51	Glucose-assisted synthesis and wet-chemistry preparation of pyrophosphate cathodes for rechargeable Na-ion batteries. RSC Advances, 2016, 6, 99735-99742.	1.7	5
52	Tailoring ionic-electronic transport in PEO-Li ₄ C ₆ O: Towards a new class of all solid-state mixed conductors. Carbon, 2016, 100, 196-200.	5.4	10
53	SBA-15 mesoporous silica highly functionalized with propylsulfonic pendants: A thorough physico-chemical characterization. Microporous and Mesoporous Materials, 2016, 219, 219-229.	2.2	35
54	Polybenzimidazoles with Enhanced Basicity: A Chemical Approach for Durable Membranes. , 2016, , 239-250.		1

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55	Nanoscale stabilization of the scheelite-type structure in $\text{La}_{0.99}\text{Ca}_{0.01}\text{NbO}_{4-x}$ thin films. <i>Nanoscale</i> , 2015, 7, 2221-2224.	2.8	1
56	Cold-setting refractory composites from cordierite and mullite—cordierite design with geopolymer paste as binder: Thermal behavior and phase evolution. <i>Materials Chemistry and Physics</i> , 2015, 154, 66-77.	2.0	22
57	ZrO ₂ /PEG hybrid nanocomposites synthesized via sol-gel: Characterization and evaluation of the magnetic properties. <i>Journal of Non-Crystalline Solids</i> , 2015, 413, 1-7.	1.5	22
58	Solid-State Lithium Ion Electrolytes. <i>Green Energy and Technology</i> , 2015, , 311-335.	0.4	5
59	Operando electrochemical NMR microscopy of polymer fuel cells. <i>Energy and Environmental Science</i> , 2015, 8, 2383-2388.	15.6	16
60	Influence of variously functionalized SBA-15 fillers on conductivity and electrochemical properties of PBI composite membranes for high temperature polymer fuel cells. <i>Journal of Power Sources</i> , 2015, 294, 347-353.	4.0	19
61	Silica—polyethylene glycol hybrids synthesized by sol-gel: Biocompatibility improvement of titanium implants by coating. <i>Materials Science and Engineering C</i> , 2015, 55, 118-125.	3.8	59
62	Ion Dynamics and Mechanical Properties of Sulfonated Polybenzimidazole Membranes for High-Temperature Proton Exchange Membrane Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9745-9753.	1.5	28
63	Rechargeable lithium batteries. , 2015, , 1-17.		12
64	Structure and Interactions in Polybenzimidazole Composite Membranes for High-Temperature Polymer Fuel Cells: A Full Multinuclear Solid-State NMR Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18935-18944.	1.5	13
65	Facile and green assembly of nanocomposite membranes for fuel cells. <i>Chemical Communications</i> , 2015, 51, 1983-1986.	2.2	10
66	One-month persistence of inflammation and alteration of fibrotic marker and cytoskeletal proteins in rat kidney after Cd-doped silica nanoparticle instillation. <i>Toxicology Letters</i> , 2015, 232, 449-457.	0.4	15
67	Investigation of Ether-Based Ionic Liquid Electrolytes for Lithium-O ₂ Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3001-A3006.	1.3	37
68	Understanding non-ideal voltage behaviour of cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19451-19460.	5.2	26
69	Improving Oxygen Transport in Perovskite-Type LaGaO ₃ Solid Electrolyte through Strain. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29574-29582.	1.5	24
70	Synthesis of zirconia/polyethylene glycol hybrid materials by sol-gel processing and connections between structure and release kinetic of indomethacin. <i>Drug Delivery</i> , 2014, 21, 595-604.	2.5	24
71	Polyelectrolytes for Batteries. , 2014, , 1-10.		2
72	Electrochemistry in Italy: A Special Section Devoted to the GEI 2013. <i>ChemElectroChem</i> , 2014, 1, 1349-1349.	1.7	0

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73	Polysulfonation of PBI-based membranes for HT-PEMFCs: a possible way to maintain high proton transport at a low $H_{3}PO_{4}$ doping level. <i>Journal of Materials Chemistry A</i> , 2014, 2, 663-671.	5.2	55
74	Biocompatibility of functionalized boron phosphate (BPO ₄) nanoparticles for boron neutron capture therapy (BNCT) application. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 589-597.	1.7	40
75	A theoretical approach to evaluate the rate capability of Li-ion battery cathode materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 107-115.	5.2	52
76	Nature of conductivity in SrSiO ₃ -based fast ion conductors. <i>Chemical Communications</i> , 2014, 50, 14732-14735.	2.2	36
77	Polysulfonated Fluoro- ϵ -oxyPBI Membranes for PEMFCs: An Efficient Strategy to Achieve Good Fuel Cell Performances with Low $H_{3}PO_{4}$ Doping Levels. <i>Advanced Energy Materials</i> , 2014, 4, 1301949.	10.2	46
78	Mechanochemical Synthesis of Bumetanide-4-Aminobenzoic Acid Molecular Cocrystals: A Facile and Green Approach to Drug Optimization. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9180-9190.	1.2	20
79	Innovative high performing metal organic framework (MOF)-laden nanocomposite polymer electrolytes for all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9948-9954.	5.2	183
80	Melilite LaSrGa ₃ Al ₃ O ₇ Series: A Combined Solid-State NMR and Neutron Diffraction Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15036-15043.	1.5	10
81	Mechanism of Low-Temperature Protonic Conductivity in Bulk, High-Density, Nanometric Titanium Oxide. <i>Advanced Functional Materials</i> , 2014, 24, 5137-5146.	7.8	23
82	Ionic conductivity, electric modulus and mechanical relaxations in silver iodide-silver molybdate glasses. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 254-257.	1.5	9
83	Fabrication and electrochemical characterization of amorphous lithium iron silicate thin films as positive electrodes for lithium batteries. <i>Journal of Power Sources</i> , 2014, 266, 179-185.	4.0	8
84	Structure and magnetic properties of SiO ₂ /PCL novel sol-gel organic-inorganic hybrid materials. <i>Journal of Solid State Chemistry</i> , 2013, 203, 92-99.	1.4	44
85	An Experimental and Theoretical Investigation of Loperamide Hydrochloride-Glutaric Acid Cocrystals. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8113-8121.	1.2	9
86	An ab initio investigation of Li ₂ M _{0.5} N _{0.5} SiO ₄ (M, N = Mn, Fe, Co Ni) as Li-ion battery cathode materials. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8035.	1.3	42
87	Theoretical investigation of Li ₂ MnSiO ₄ as a cathode material for Li-ion batteries: a DFT study. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2847.	5.2	69
88	Flexible deposition of TiO ₂ electrodes for photocatalytic applications: Modulation of the crystal phase as a function of the layer thickness. <i>Journal of Solid State Chemistry</i> , 2013, 199, 1-6.	1.4	7
89	Local versus Average Structure in LaSrAl ₃ O ₇ : A NMR and DFT Investigation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23451-23458.	1.5	20
90	Preparation and Physicochemical Characterization of Acyclovir Cocrystals with Improved Dissolution Properties. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4079-4086.	1.6	50

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91	Li-doped mixtures of alkoxy-N-methylpyrrolidinium bis(trifluoromethanesulfonyl)-imide and organic carbonates as safe liquid electrolytes for lithium batteries. <i>Journal of Power Sources</i> , 2013, 237, 204-209.	4.0	48
92	Alkoxy substituted imidazolium-based ionic liquids as electrolytes for lithium batteries. <i>Journal of Power Sources</i> , 2013, 235, 142-147.	4.0	58
93	PEGylated carbon nanotubes: preparation, properties and applications. <i>RSC Advances</i> , 2013, 3, 13569.	1.7	34
94	Insight into cation disorder of Li ₂ Fe _{0.5} Mn _{0.5} SiO ₄ . <i>Journal of Solid State Chemistry</i> , 2013, 200, 70-75.	1.4	19
95	Polymorphism and magnetic properties of Li ₂ MSiO ₄ (M = Fe, Mn) cathode materials. <i>Scientific Reports</i> , 2013, 3, 3452.	1.6	29
96	New Sulfonated PBIs for PEMFC Application. <i>Fuel Cells</i> , 2013, 13, 98-103.	1.5	17
97	Pulmonary toxicity of instilled cadmium-doped silica nanoparticles during acute and subacute stages in rats. <i>Histology and Histopathology</i> , 2013, 28, 195-209.	0.5	32
98	Polymer fuel cells based on polybenzimidazole/H ₃ PO ₄ . <i>Energy and Environmental Science</i> , 2012, 5, 6436.	15.6	155
99	Nanoparticles induce platelet activation in vitro through stimulation of canonical signalling pathways. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1329-1336.	1.7	43
100	Synthesis and characterisation of functionalized borosilicate nanoparticles for boron neutron capture therapy applications. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 358-366.	1.1	16
101	Average versus local structure in K ₂ NiF ₄ -type LaSrAlO ₄ : direct experimental evidence of local cationic ordering. <i>Journal of Materials Chemistry</i> , 2012, 22, 10488.	6.7	18
102	Pair distribution function analysis and Mössbauer study of defects in microwave-hydrothermal LiFePO ₄ . <i>RSC Advances</i> , 2012, 2, 250-258.	1.7	28
103	SiO ₂ -B ₂ O ₃ xerogels: The problem of boron leaching. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1631-1637.	1.5	6
104	Recent advances in the development of Li-air batteries. <i>Journal of Power Sources</i> , 2012, 220, 253-263.	4.0	128
105	Lithium diffusion in Li _{1-x} FePO ₄ : the effect of cationic disorder. <i>Journal of Materials Chemistry</i> , 2012, 22, 24870.	6.7	44
106	Vacancy and interstitial oxide ion migration in heavily doped La _{2-x} Sr _x CoO ₄ . <i>Journal of Materials Chemistry</i> , 2012, 22, 8969.	6.7	51
107	Structural and in vitro study of cerium, gallium and zinc containing sol-gel bioactive glasses. <i>Journal of Materials Chemistry</i> , 2012, 22, 13698.	6.7	71
108	Electrical properties of V ₂ O ₅ nanomaterials prepared by twin rollers technique. <i>Solid State Ionics</i> , 2012, 225, 658-662.	1.3	17

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109	Increasing the permanent conductivity of PBI membranes for HT-PEMs. <i>Solid State Ionics</i> , 2012, 225, 228-231.	1.3	23
110	New electrolyte membranes for Li-based cells: Methacrylic polymers encompassing pyrrolidinium-based ionic liquid by single step photo-polymerisation. <i>Journal of Membrane Science</i> , 2012, 423-424, 459-467.	4.1	31
111	One-Step Decatungstate-Photomediated PEGylation of Single-Walled Carbon Nanotubes. <i>ChemPlusChem</i> , 2012, 77, 210-216.	1.3	17
112	MCM-41 silica effect on gel polymer electrolytes based on thermoplastic polyurethane. <i>Electrochimica Acta</i> , 2012, 60, 359-365.	2.6	27
113	Structure-property interplay of proton conducting membranes based on PBI5N, SiO ₂ and H ₃ PO ₄ for high temperature fuel cells. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12146.	1.3	35
114	Electrolytes for solid-state lithium rechargeable batteries: recent advances and perspectives. <i>Chemical Society Reviews</i> , 2011, 40, 2525.	18.7	1,358
115	Bone Reconstruction: Au Nanocomposite Bioglasses with Antibacterial Properties. <i>International Journal of Artificial Organs</i> , 2011, 34, 920-928.	0.7	23
116	Structural, morphological and electrochemical properties of nanocrystalline V ₂ O ₅ thin films deposited by means of radiofrequency magnetron sputtering. <i>Journal of Power Sources</i> , 2011, 196, 10228-10233.	4.0	35
117	Novel aryloxy-polybenzimidazoles as proton conducting membranes for high temperature PEMFCs. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7174-7182.	3.8	42
118	Increasing the Antibacterial Effect of Lysozyme by Immobilization on Multi-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 3100-3106.	0.9	24
119	In vitro calcified matrix deposition by human osteoblasts onto a zinc-containing bioactive glass. , 2011, 21, 59-72.		68
120	Polyethylene oxide electrolyte membranes with pyrrolidinium-based ionic liquids. <i>Electrochimica Acta</i> , 2010, 55, 5478-5484.	2.6	49
121	Effects of water-soluble functionalized multi-walled carbon nanotubes examined by different cytotoxicity methods in human astrocyte D384 and lung A549 cells. <i>Toxicology</i> , 2010, 269, 41-53.	2.0	117
122	Novel polymer electrolytes based on thermoplastic polyurethane and ionic liquid/lithium bis(trifluoromethanesulfonyl)imide/propylene carbonate salt system. <i>Journal of Power Sources</i> , 2010, 195, 5761-5767.	4.0	34
123	The Development of High Temperature PEMFCs: Reasons and Perspectives. <i>Fuel Cells</i> , 2010, 10, 753-753.	1.5	5
124	Layered LaSrGa ₃ O ₇ -Based Oxide-Ion Conductors: Cooperative Transport Mechanisms and Flexible Structures. <i>Advanced Functional Materials</i> , 2010, 20, 3874-3880.	7.8	56
125	Lithium ion conducting PVdF-HFP composite gel electrolytes based on N-methoxyethyl-N-methylpyrrolidinium bis(trifluoromethanesulfonyl)-imide ionic liquid. <i>Journal of Power Sources</i> , 2010, 195, 559-566.	4.0	225
126	PBI-based composite membranes for polymer fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 7765-7769.	4.0	52

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127	Structural, Spectroscopic, and Electrical Features of Undoped and Mn-Doped $\text{LiTi}_2(\text{PO}_4)_3$. Journal of Physical Chemistry C, 2010, 114, 13872-13878.	1.5	15
128	New Fillers for PBI-Based Composite Electrolytes in Polymer Fuel Cells. Composite Interfaces, 2010, 17, 649-662.	1.3	6
129	In Vitro Enhancement of SAOS-2 Cell Calcified Matrix Deposition onto Radio Frequency Magnetron Sputtered Bioglass-Coated Titanium Scaffolds. Tissue Engineering - Part A, 2010, 16, 995-1008.	1.6	40
130	Influence of Particle Size and Crystal Orientation on the Electrochemical Behavior of Carbon-Coated LiFePO_4 . Journal of Physical Chemistry C, 2010, 114, 12598-12603.	1.5	108
131	High-temperature neutron diffraction study of La_2O_3 . Correlation between structure and transport pr. Physical Review B, 2010, 82, .	1.1	29
132	Charge ordering driven metal-insulator transition in the layered cobaltite HoBaCo_2 . Physical Review B, 2009, 80, .	1.1	8
133	Water-Miscible Liquid Multiwalled Carbon Nanotubes. Advanced Materials, 2009, 21, 1761-1765.	11.1	37
134	PBI Composite and Nanocomposite Membranes for PEMFCs: The Role of the Filler. Fuel Cells, 2009, 9, 231-236.	1.5	56
135	Pyridine-Based PBI Composite Membranes for PEMFCs. Fuel Cells, 2009, 9, 349-355.	1.5	59
136	A binary ionic liquid system composed of N-methoxyethyl-N-methylpyrrolidinium bis(trifluoromethanesulfonyl)-imide and lithium bis(trifluoromethanesulfonyl)imide: A new promising electrolyte for lithium batteries. Journal of Power Sources, 2009, 194, 45-50.	4.0	94
137	Nanoscale formation of new solid-state compounds by topochemical effects: The interfacial reactions ZnO with Al_2O_3 as a model system. Journal of Solid State Chemistry, 2009, 182, 1291-1296.	1.4	8
138	Cr and Ni Doping of $\text{Li}_4\text{Ti}_5\text{O}_{12}$: Cation Distribution and Functional Properties. Journal of Physical Chemistry C, 2009, 113, 19664-19671.	1.5	72
139	^{29}Si attribution of the 1.3 mT hyperfine structure of the $\text{E}^{\prime\prime}$ centers in amorphous SiO_2 . Journal of Applied Physics, 2009, 105, 093514.	1.1	5
140	$\text{SiO}_2\text{-P}_2\text{O}_5\text{-CaO}$ Glasses and Glass-Ceramics with and without ZnO : Relationships among Composition, Microstructure, and Bioactivity. Journal of Physical Chemistry C, 2009, 113, 8821-8828.	1.5	47
141	FUEL CELLS – PROTON-EXCHANGE MEMBRANE FUEL CELLS Membranes: Polybenzimidazole. , 2009, , 734-740.		1
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143	Cations Distribution and Valence States in Mn-Substituted $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Structure. Chemistry of Materials, 2008, 20, 4291-4298.	3.2	56
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