M M Silva

List of Publications by Year
in descending order

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230	5,377	93792 39	162838 57
papers	citations	h-index	g-index

244	244	244	5149
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solar spectral management with electrochromic devices including PMMA films doped with biluminescent ionosilicas. Journal of Sol-Gel Science and Technology, 2022, 101, 58-70.	1.1	4
2	Solid Polymer Electrolytes Based on Gellan Gum and Ionic Liquid for Sustainable Electrochromic Devices. ACS Applied Materials & Interfaces, 2022, 14, 15494-15503.	4.0	13
3	Chitosan-based electrolytes containing carbon nanotube-titanium dioxide for energy conversion devices applications. Iranian Polymer Journal (English Edition), 2022, 31, 1197-1208.	1.3	3
4	Optimized Printed Cathode Electrodes for High Performance Batteries. Energy Technology, 2021, 9, .	1.8	15
5	Enhanced ionic conductivity in poly(vinylidene fluoride) electrospun separator membranes blended with different ionic liquids for lithium ion batteries. Journal of Colloid and Interface Science, 2021, 582, 376-386.	5.0	63
6	Improved electrochemical performance of LiMn1.5M0.5O4 (M=Ni, Co, Cu) based cathodes for lithium-ion batteries. Journal of Alloys and Compounds, 2021, 853, 157208.	2.8	23
7	Advances of electrochromic and electro-rheological materials. , 2021, , 283-315.		0
8	Nanocomposite Polymer Electrolytes of Sodium Alginate and Montmorillonite Clay. Molecules, 2021, 26, 2139.	1.7	3
9	Gellanâ€Gum and LiTFSIâ€Based Solid Polymer Electrolytes for Electrochromic Devices. ChemistrySelect, 2021, 6, 5110-5119.	0.7	8
10	PtOEPâ€“PDMS-Based Optical Oxygen Sensor. Sensors, 2021, 21, 5645.	2.1	5
11	Directâ€Inkâ€Writing of Electroactive Polymers for Sensing and Energy Storage Applications. Macromolecular Materials and Engineering, 2021, 306, 2100372.	1.7	12
12	Patterned separator membranes with pillar surface microstructures for improved battery performance. Journal of Colloid and Interface Science, 2021, 596, 158-172.	5.0	4
13	Fundamentals and Advances of Electrochromic Systems: A Review. Advanced Engineering Materials, 2021, 23, .	1.6	13
14	Increase of Calcium in â€˜Rochaâ€™ Pear (Pyrus communis L.) for Development of Functional Foods. Biology and Life Sciences Forum, 2021, 4, 6.	0.6	2
15	Monitoring a Calcium Biofortification Workflow in an Orchard of Pyrus communis var. Rocha Applying Precision Agriculture Technology. Biology and Life Sciences Forum, 2021, 3, 3.	0.6	1
16	Proton conducting electrolytes composed of chondroitin sulfate polysaccharide and citric acid. European Polymer Journal, 2020, 124, 109453.	2.6	7
17	Biopolymer Electrolyte Membranes (BioPEMs) for Sustainable Primary Redox Batteries. Advanced Sustainable Systems, 2020, 4, 1900110.	2.7	5
18	Physicochemical stability of contact lenses materials for biomedical applications. Journal of Optometry, 2020, 13, 120-127.	0.7	4

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19	Metalâ€“Organic Framework Based PVDF Separators for High Rate Cycling Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 11907-11919.	2.5	51
20	Lithium-ion battery separator membranes based on poly(L-lactic acid) biopolymer. Materials Today Energy, 2020, 18, 100494.	2.5	18
21	Plasma-treated Bombyx mori cocoon separators for high-performance and sustainable lithium-ion batteries. Materials Today Sustainability, 2020, 9, 100041.	1.9	9
22	Highly Conducting Bombyx mori Silk Fibroin-Based Electrolytes Incorporating Glycerol, Dimethyl Sulfoxide and [Bmim]PF₆. Journal of the Electrochemical Society, 2020, 167, 070551.	1.3	10
23	Electrochromic Device Composed of a Di-Urethanesil Electrolyte Incorporating Lithium Triflate and 1-Butyl-3-Methylimidazolium Chloride. Frontiers in Materials, 2020, 7, .	1.2	8
24	Chitosan polymer electrolytes doped with a dysprosium ionic liquid. Journal of Polymer Research, 2020, 27, 1.	1.2	10
25	Improved electrochemical properties of MgMn2O4 cathode materials by Sr doping for Mg ion cells. Ionics, 2020, 26, 3947-3958.	1.2	14
26	Ionic liquid based Fluoropolymer solid electrolytes for Lithium-ion batteries. Sustainable Materials and Technologies, 2020, 25, e00176.	1.7	26
27	Structural, morphological, thermal and electrochemical characteristics of chitosan: praseodymium triflate based solid polymer electrolytes. International Journal of Green Energy, 2019, 16, 1602-1610.	2.1	4
28	Study of ionically conducting nanocomposites for reflective electrochromic devices. Electrochimica Acta, 2019, 301, 174-182.	2.6	12
29	Theoretical simulation of the optimal relation between active material, binder and conductive additive for lithium-ion battery cathodes. Energy, 2019, 172, 68-78.	4.5	39
30	Enhanced performance of fluorinated separator membranes for lithium ion batteries through surface micropatterning. Energy Storage Materials, 2019, 21, 124-135.	9.5	17
31	Mesoporous Cellulose Nanocrystal Membranes as Battery Separators for Environmentally Safer Lithium-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 3749-3761.	2.5	58
32	Catalytic Cyclization of Propargyl Bromoethers via Electrogenerated Nickel(I) Tetramethylcyclam in Ionic Liquids: Water Effects. Journal of the Electrochemical Society, 2019, 166, G17-G24.	1.3	1
33	Mesoporous poly(vinylidene fluoride-co-trifluoroethylene) membranes for lithium-ion battery separators. Electrochimica Acta, 2019, 301, 97-106.	2.6	26
34	The physical and electrochromic properties of Prussian Blue thin films electrodeposited on ITO electrodes. Electrochimica Acta, 2019, 304, 282-291.	2.6	61
35	Solid polymer electrolytes based on lithium bis(trifluoromethanesulfonyl)imide/poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 and Technologies, 2019, 21, e00104.	1.7	35
36	Luminescent Î²-Carrageenan-Based Electrolytes Containing Neodymium Triflate. Molecules, 2019, 24, 1020.	1.7	9

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37	Sustainable Dual-Mode Smart Windows for Energy-Efficient Buildings. ACS Applied Energy Materials, 2019, 2, 1951-1960.	2.5	27
38	Threeâ€Mode Modulation Electrochromic Device with High Energy Efficiency for Windows of Buildings Located in Continental Climatic Regions. Advanced Sustainable Systems, 2019, 3, 1800115.	2.7	22
39	SELENIUM BIOFORTIFICATION OF RICE THROUGH FOLIAR APPLICATION WITH SELENITE AND SELENATE. Experimental Agriculture, 2019, 55, 528-542.	0.4	44
40	Silk Fibroin Separators: A Step Toward Lithium-Ion Batteries with Enhanced Sustainability. ACS Applied Materials & Interfaces, 2018, 10, 5385-5394.	4.0	50
41	Samarium (III) triflate-doped chitosan electrolyte for solid state electrochromic devices. Electrochimica Acta, 2018, 267, 51-62.	2.6	24
42	Green polymer electrolytes of chitosan doped with erbium triflate. Journal of Non-Crystalline Solids, 2018, 482, 183-191.	1.5	21
43	Selenium biofortification of rice grains and implications on macronutrients quality. Journal of Cereal Science, 2018, 81, 22-29.	1.8	64
44	Gellan gumâ€“O,Oâ€²â€²bis(2â€aminopropyl)â€polyethylene glycol hydrogel for controlled fertilizer release. Journal of Applied Polymer Science, 2018, 135, 45636.	1.3	13
45	Binary Ce(III) and Li(I) triflate salt composition for solid polymer electrolytes. Ionics, 2018, 24, 2321-2334.	1.2	2
46	Improved electrochemical performance of rare earth doped LiMn1.5-xNi0.5RExO4 based composite cathodes for lithium-ion batteries. Composites Part B: Engineering, 2018, 139, 55-63.	5.9	15
47	Luminescent Electrochromic Devices for Smart Windows of Energy-Efficient Buildings. Energies, 2018, 11, 3513.	1.6	16
48	Bombyx mori Silkworm Cocoon Separators for Lithiumâ€ion Batteries with Superior Safety and Sustainability. Advanced Sustainable Systems, 2018, 2, 1800098.	2.7	15
49	Ionic Liquid-Assisted Synthesis of Mesoporous Silk Fibroin/Silica Hybrids for Biomedical Applications. ACS Omega, 2018, 3, 10811-10822.	1.6	23
50	Silica/poly(vinylidene fluoride) porous composite membranes for lithium-ion battery separators. Journal of Membrane Science, 2018, 564, 842-851.	4.1	68
51	Seeking the lowest phase transition temperature in a cellulosic system for textile applications. Cellulose, 2018, 25, 3163-3178.	2.4	8
52	Poly(styreneâ€“butene/ethyleneâ€“styrene): A New Polymer Binder for High-Performance Printable Lithium-Ion Battery Electrodes. ACS Applied Energy Materials, 2018, 1, 3331-3341.	2.5	12
53	Polycarbonates as alternative electrolyte host materials for solid-state sodium batteries. Electrochemistry Communications, 2017, 77, 58-61.	2.3	54
54	Structural, morphological, ionic conductivity, and thermal properties of pectin-based polymer electrolytes. Molecular Crystals and Liquid Crystals, 2017, 643, 266-273.	0.4	20

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55	Effect of storage time on the ionic conductivity of chitosan-solid polymer electrolytes incorporating cyano-based ionic liquids. Electrochimica Acta, 2017, 232, 22-29.	2.6	42
56	Innovative electrolytes based on chitosan and thulium for solid state applications: Synthesis, structural, and thermal characterization. Journal of Electroanalytical Chemistry, 2017, 788, 156-164.	1.9	19
57	Eco-friendly sol-gel derived sodium-based ormolytes for electrochromic devices. Electrochimica Acta, 2017, 232, 484-494.	2.6	11
58	A luminescent europium ionic liquid to improve the performance of chitosan polymer electrolytes. Electrochimica Acta, 2017, 240, 474-485.	2.6	11
59	Polymer electrolytes for electrochromic devices through solvent casting and sol-gel routes. Solar Energy Materials and Solar Cells, 2017, 169, 98-106.	3.0	28
60	Playing with ionic liquids to uncover novel polymer electrolytes. Solid State Ionics, 2017, 300, 46-52.	1.3	15
61	Biofortification of durum wheat (Triticum turgidum L. ssp. durum (Desf.) Husnot) grains with nutrients. Journal of Plant Interactions, 2017, 12, 39-50.	1.0	12
62	Synthesis and improved electrochemical performance of LiMn2â€“xGdxO4 based cathodes. Solid State Ionics, 2017, 300, 18-25.	1.3	15
63	Solid polymer electrolytes based on chitosan and Dy(CF3SO3)3 for electrochromic devices. Solid State Ionics, 2017, 310, 112-120.	1.3	13
64	The effect of nanohydroxyapatite on the behavior of metals in a microcosm simulating a lentic environment. Environmental Nanotechnology, Monitoring and Management, 2017, 8, 219-227.	1.7	4
65	Ecoâ€Friendly Red Seaweedâ€Derived Electrolytes for Electrochemical Devices. Advanced Sustainable Systems, 2017, 1, 1700070.	2.7	20
66	Preparation of Poly(vinylidene fluoride) Lithium-Ion Battery Separators and Their Compatibilization with Ionic Liquid - A Green Solvent Approach. ChemistrySelect, 2017, 2, 5394-5402.	0.7	30
67	d-Poly(e-caprolactone) (530)/siloxane biohybrid films doped with protic ionic liquids. Journal of Electroanalytical Chemistry, 2017, 799, 249-256.	1.9	4
68	A study on properties of chitosan-PEO electrolyte containing europium salt. Molecular Crystals and Liquid Crystals, 2017, 655, 79-86.	0.4	1
69	Novel Highly Luminescent Amine-Functionalized Bridged Silsesquioxanes. Frontiers in Chemistry, 2017, 5, 131.	1.8	7
70	Reflective Electrochromic Device with Gelatin-Nanocomposite Electrolyte. ECS Meeting Abstracts, 2017, , .	0.0	0
71	Diâ€ureasil Hybrid Electrolytes Incorporating a New Proton Ionic Liquid. ChemElectroChem, 2016, 3, 783-789.	1.7	5
72	Luminescent polymer electrolytes based on chitosan and containing europium triflate. Journal of Rare Earths, 2016, 34, 661-666.	2.5	12

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73	Smart Windows Prepared from Bombyx mori Silk. ChemElectroChem, 2016, 3, 1084-1097.	1.7	18
74	Influence of Solvent Evaporation Rate in the Preparation of Carbonâ€Coated Lithium Iron Phosphate Cathode Films on Battery Performance. Energy Technology, 2016, 4, 573-582.	1.8	34
75	High performance screen printable lithium-ion battery cathode ink based on C-LiFePO4. Electrochimica Acta, 2016, 196, 92-100.	2.6	50
76	Improved performance of rare earth doped LiMn₂O₄cathodes for lithium-ion battery applications. New Journal of Chemistry, 2016, 40, 6244-6252.	1.4	58
77	Influence of cerium triflate and glycerol on electrochemical performance of chitosan electrolytes for electrochromic devices. Electrochimica Acta, 2016, 217, 108-116.	2.6	29
78	Ion conducting and paramagnetic d-PCL(530)/siloxane-based biohybrids doped with Mn2+ ions. Electrochimica Acta, 2016, 211, 804-813.	2.6	5
79	High performance screen-printed electrodes prepared by a green solvent approach for lithium-ion batteries. Journal of Power Sources, 2016, 334, 65-77.	4.0	66
80	Influence of fluoropolymer binders on the electrochemical performance of C-LiFePO 4 based cathodes. Solid State Ionics, 2016, 295, 57-64.	1.3	35
81	Electromechanical actuators based on poly(vinylidene fluoride) with [N1Â1Â1Â2(OH)][NTf2] and [C2mim][C2SO4]. Journal of Materials Science, 2016, 51, 9490-9503.	1.7	40
82	Electrical insulation properties of RF-sputtered LiPON layers towards electrochemical stability of lithium batteries. Journal Physics D: Applied Physics, 2016, 49, 485301.	1.3	7
83	Optimization of filler type within poly(vinylidene fluoride-co-trifluoroethylene) composite separator membranes for improved lithium-ion battery performance. Composites Part B: Engineering, 2016, 96, 94-102.	5.9	48
84	Prussian blue for electrochromic devices. Journal of Electroanalytical Chemistry, 2016, 777, 33-39.	1.9	55
85	Solid polymer electrolytes based on chitosan and europium triflate. Journal of Non-Crystalline Solids, 2016, 432, 307-312.	1.5	40
86	Titanium Oxide Adhesion Layer for High Temperature Annealed Si/Si3N4/TiO x /Pt/LiCoO2 Battery Structures. Journal of Electronic Materials, 2016, 45, 910-916.	1.0	10
87	Ionic Liquids for the Electroreductive Radical Cyclization of Unsaturated Bromo Derivatives Catalyzed by Nickel(II) Complexes. Journal of the Electrochemical Society, 2016, 163, G21-G25.	1.3	5
88	Lithium cobalt oxide crystallization on flexible polyimide substrate. Journal of Materials Science: Materials in Electronics, 2016, 27, 631-636.	1.1	3
89	Bombyx moriSilk Fibers: An Outstanding Family of Materials. Macromolecular Materials and Engineering, 2015, 300, 1171-1198.	1.7	89
90	Tailoring poly(vinylidene fluoride-co -chlorotrifluoroethylene) microstructure and physicochemical properties by exploring its binary phase diagram with dimethylformamide. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 761-773.	2.4	36

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91	Eco-Friendly Luminescent Hybrid Materials Based on Eulllland LilCo-Doped Chitosan. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
92	Ionic, paramagnetic and photophysical properties of a new biohybrid material incorporating copper perchlorate. Electrochimica Acta, 2015, 173, 76-81.	2.6	4
93	Sequential zinc and iron biofortification of bread-wheat grains: from controlled to uncontrolled environments. Crop and Pasture Science, 2015, 66, 1097.	0.7	16
94	A chemically stable PVD multilayer encapsulation for lithium microbatteries. Journal Physics D: Applied Physics, 2015, 48, 395306.	1.3	8
95	Variation of the physicochemical and morphological characteristics of solvent casted poly(vinylidene fluoride) along its binary phase diagram with dimethylformamide. Journal of Non-Crystalline Solids, 2015, 412, 16-23.	1.5	53
96	Electrochromic devices incorporating biohybrid electrolytes doped with a lithium salt, an ionic liquid or a mixture of both. Electrochimica Acta, 2015, 161, 226-235.	2.6	29
97	Polymer electrolyte based on DNA and N,N,N-trimethyl-N-(2-hydroxyethyl)ammonium bis(trifluoromethylsulfonyl)imide. Journal of Electroanalytical Chemistry, 2015, 748, 70-75.	1.9	11
98	Gellan gumâ€"Ionic liquid membranes for electrochromic device application. Solid State Ionics, 2015, 274, 64-70.	1.3	26
99	Thermalâ€"mechanical behaviour of chitosanâ€"cellulose derivative thermoreversible hydrogel films. Cellulose, 2015, 22, 1911-1929.	2.4	49
100	Bio-inspired materials for electrochemical devices. , 2015, , .		1
101	Effect of the alkyl chain length of the ionic liquid anion on polymer electrolytes properties. Electrochimica Acta, 2015, 184, 171-178.	2.6	16
102	High performance electromechanical actuators based on ionic liquid/poly(vinylidene fluoride). Polymer Testing, 2015, 48, 199-205.	2.3	51
103	Effect of the degree of porosity on the performance of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (fluoride Solid State Ionics, 2015, 280, 1-9.	1.3	33
104	Poly(vinylidene fluoride-co-chlorotrifluoroethylene) (PVDF-CTFE) lithium-ion battery separator membranes prepared by phase inversion. RSC Advances, 2015, 5, 90428-90436.	1.7	39
105	Electrosynthesis of Heterocyclic Compounds by Radical Cyclization in Environmentally Friendly Media. ECS Transactions, 2015, 66, 1-5.	0.3	0
106	Effect of ionic liquid anion and cation on the physico-chemical properties of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	2.6	72
107	State of the art and open questions on cathode preparation based on carbon coated lithium iron phosphate. Composites Part B: Engineering, 2015, 83, 333-345.	5.9	58
108	Effect of Ionic Liquid Anion Type in the Performance of Solid Polymer Electrolytes Based on Poly(Vinylidene fluorideâ€trifluoroethylene). Electroanalysis, 2015, 27, 457-464.	1.5	27

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109	Pectin-based Polymer Electrolytes with Ir(III) Complexes. Molecular Crystals and Liquid Crystals, 2014, 604, 117-125.	0.4	16
110	Physicochemical properties of poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blend membranes for lithium ion battery applications: Influence of poly(ethylene oxide) molecular weight. Solid State Ionics, 2014, 268, 54-67.	1.3	32
111	Thermo-sensitive chitosanâ€“cellulose derivative hydrogels: swelling behaviour and morphologic studies. Cellulose, 2014, 21, 4531-4544.	2.4	34
112	The Study of Indirect Electroreductive Cyclization of Propargyl Derivatives Using [Ni(tmc)]Br2 as Catalyst in Ionic Liquids. ECS Transactions, 2014, 61, 51-55.	0.3	0
113	Di-urethanesil hybrid electrolytes doped with Mg(CF3SO3)2. Ionics, 2014, 20, 29-36.	1.2	1
114	Ultrasound promoted synthesis of Nile Blue derivatives. Ultrasonics Sonochemistry, 2014, 21, 360-366.	3.8	16
115	The Influence of Glycerol and Formaldehyde in Gelatin-Based Polymer Electrolytes. Molecular Crystals and Liquid Crystals, 2014, 591, 64-73.	0.4	10
116	Chitosan and Ionic Liquid Based Solid Polymer Electrolytes: The Anion Alkyl Chain Length Effect. ECS Transactions, 2014, 61, 51-59.	0.3	6
117	Quasi-anhydrous proton conducting di-ureasil hybrid electrolytes incorporating a protic ionic liquid. Electrochimica Acta, 2014, 147, 288-293.	2.6	6
118	Microstructural variations of poly(vinylidene fluoride co-hexafluoropropylene) and their influence on the thermal, dielectric and piezoelectric properties. Polymer Testing, 2014, 40, 245-255.	2.3	84
119	Influence of different salts in poly(vinylidene fluoride-co-trifluoroethylene) electrolyte separator membranes for battery applications. Journal of Electroanalytical Chemistry, 2014, 727, 125-134.	1.9	10
120	Luminescent Electrochromic Device Based on a Biohybrid Electrolyte Doped with a Mixture of Potassium Triflate and a Europium Â-diketonate Complex. ECS Transactions, 2014, 61, 213-225.	0.3	5
121	Influence of the porosity degree of poly(vinylidene fluoride-co-hexafluoropropylene) separators in the performance of Li-ion batteries. Journal of Power Sources, 2014, 263, 29-36.	4.0	37
122	Ionic liquids for solid-state electrolytes and electrosynthesis. Journal of Electroanalytical Chemistry, 2014, 714-715, 63-69.	1.9	20
123	Ionically conducting Er3+-doped DNA-based biomembranes for electrochromic devices. Electrochimica Acta, 2014, 120, 327-333.	2.6	19
124	Li-ion battery separator membranes based on barium titanate and poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (fluoride 276-284.	2.6	25
125	Luminescent DNA- and Agar-Based Membranes. Journal of Nanoscience and Nanotechnology, 2014, 14, 6685-6691.	0.9	10
126	Durability of PCL Nanocomposites Under Different Environments. Journal of Polymers and the Environment, 2013, 21, 710-717.	2.4	5

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127	Vibrational analysis of d-PCL(530)/siloxane-based hybrid electrolytes doped with two lithium salts. Ionics, 2013, 19, 1803-1809.	1.2	7
128	Microporous membranes of NaY zeolite/poly(vinylidene fluorideâ€“trifluoroethylene) for Li-ion battery separators. Journal of Electroanalytical Chemistry, 2013, 689, 223-232.	1.9	66
129	Li-ion battery separator membranes based on poly(vinylidene fluoride-trifluoroethylene)/carbon nanotube composites. Solid State Ionics, 2013, 249-250, 63-71.	1.3	24
130	Study and Characterization of a Novel Polymer Electrolyte Based on Agar Doped with Magnesium Triflate. Molecular Crystals and Liquid Crystals, 2013, 570, 1-11.	0.4	31
131	Development of solid polymer electrolytes based on poly(vinylidene fluoride-trifluoroethylene) and the [N1 1 1 2(OH)][NTf2] ionic liquid for energy storage applications. Solid State Ionics, 2013, 253, 143-150.	1.3	32
132	Electro-optical properties of the DNA-Eu3+ bio-membranes. Journal of Electroanalytical Chemistry, 2013, 708, 116-123.	1.9	15
133	Evaluation of the main processing parameters influencing the performance of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2013, 17, 861-870.	1.2	33
134	Battery separators based on vinylidene fluoride (VDF) polymers and copolymers for lithium ion battery applications. RSC Advances, 2013, 3, 11404.	1.7	266
135	Novel poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blends for battery separators in lithium-ion applications. Electrochimica Acta, 2013, 88, 473-476.	2.6	39
136	Effect of fiber orientation in gelled poly(vinylidene fluoride) electrospun membranes for Li-ion battery applications. Journal of Materials Science, 2013, 48, 6833-6840.	1.7	20
137	Gelatin_nZn(CF₃SO₃)₂ Polymer Electrolytes for Electrochromic Devices. Electroanalysis, 2013, 25, 1483-1490.	1.5	22
138	Electrochemical Applications of Electrolytes based on Ionic Liquids. ECS Transactions, 2013, 45, 235-244.	0.3	5
139	Flexible thin-film rechargeable lithium battery. , 2013, , .		5
140	Thin-film Materials for Solid-State Rechargeable Lithium Batteries. ECS Transactions, 2013, 45, 139-142.	0.3	4
141	A flat microbial fuel cell for decentralized wastewater valorization: process performance and optimization potential. Environmental Technology (United Kingdom), 2013, 34, 1947-1956.	1.2	16
142	Preparation and Characterization of Hybrid Oxyethylene/Siloxane Electrolyte Systems. Electroanalysis, 2013, 25, 515-522.	1.5	4
143	Investigation of polymer electrolyte based on agar and ionic liquids. EXPRESS Polymer Letters, 2012, 6, 1007-1016.	1.1	77
144	Electroactive Poly(Vinylidene Fluoride-Trifluorethylene) (PVDF-TrFE) Microporous Membranes for Lithium-Ion Battery Applications. Ferroelectrics, 2012, 430, 103-107.	0.3	20

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145	Solid-State Thin-Film Lithium Batteries for Integration in Microsystems. Nanoscience and Technology, 2012, , 575-619.	1.5	2
146	Porous Membranes of Montmorillonite/Poly(vinylidene fluorideâ€trifluorethylene) for Liâ€Ion Battery Separators. Electroanalysis, 2012, 24, 2147-2156.	1.5	55
147	Enhanced solidâ€state electrolytes made of lithium phosphorous oxynitride films. Thin Solid Films, 2012, 522, 85-89.	0.8	19
148	Microporous Poly(Vinylidene Fluoride â€“ Trifluoroethylene)/Zeolite Membranes for Lithium-Ion Battery Applications. Procedia Engineering, 2012, 44, 983-984.	1.2	1
149	[P1.034] Comparing Performance of Solid Polymer Electrolytes Based on Poly(Vinylidene Fluoride â€“) Tj ETQq1 1 0.784314 rgBT /Ov 751-752.	1.2	0
150	Rechargeable Lithium Film Batteries â€“ Encapsulation and Protection. Procedia Engineering, 2012, 47, 676-679.	1.2	7
151	Poly (É›-caprolactone)/siloxane biohybrids with application in â€œsmart windowsâ€• Synthetic Metals, 2012, 161, 2682-2687.	2.1	11
152	Characterization of flexible DNA films. Electrochemistry Communications, 2012, 22, 189-192.	2.3	15
153	Synthesis and characterization of amorphous poly(ethylene oxide)/poly(trimethylene carbonate) polymer blend electrolytes. Electrochimica Acta, 2012, 86, 339-345.	2.6	7
154	Structural studies of novel di-ureasil ormolytes doped with lithium hexafluoroantimonate. Solid State Ionics, 2012, 226, 7-14.	1.3	4
155	Novel polymer electrolytes based on gelatin and ionic liquids. Optical Materials, 2012, 35, 187-195.	1.7	51
156	Agar-Based Gel Electrolyte for Electrochromic Device Application. Molecular Crystals and Liquid Crystals, 2012, 554, 264-272.	0.4	38
157	Natural Membranes for Application in Biomedical Devices. Molecular Crystals and Liquid Crystals, 2012, 562, 147-155.	0.4	3
158	Study of electrochromic devices with nanocomposites polymethacrylate hydroxyethylene resin based electrolyte. Polymers for Advanced Technologies, 2012, 23, 791-795.	1.6	15
159	Synthesis and electrochemical characterization of aPEO-based polymer electrolytes. Journal of Solid State Electrochemistry, 2012, 16, 1623-1629.	1.2	3
160	Effect of degree of porosity on the properties of poly(vinylidene fluorideâ€“trifluorethylene) for Li-ion battery separators. Journal of Membrane Science, 2012, 407-408, 193-201.	4.1	110
161	Photoluminescent polymer electrolyte based on agar and containing europium picrate for electrochemical devices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 488-493.	1.7	25
162	Effect of the microsctructure and lithium-ion content in poly[(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (fluoride)-co-triflu applications. Solid State Ionics, 2012, 217, 19-26.	1.3	29

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163	Encapsulation of Rechargeable Solid-State Lithium Batteries. ECS Meeting Abstracts, 2012, , .	0.0	1
164	Li⁺- and Eu³⁺-Doped Poly(Îµ-caprolactone)/Siloxane Biohybrid Electrolytes for Electrochromic Devices. ACS Applied Materials & Interfaces, 2011, 3, 2953-2965.	4.0	24
165	K+-doped poly(Îµ-caprolactone)/siloxane biohybrid electrolytes for electrochromic devices. Solid State Ionics, 2011, 204-205, 129-139.	1.3	18
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