Subramania Angaiah

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.

137 papers	4,878 citations	40 h-index	65 g-index
142 ext. papers	5,635 ext. citations	4.6 avg, IF	6.27 L-index

#	Paper	IF	Citations
137	Green synthesis of reduced graphene oxide using Plectranthus amboinicus leaf extract and its supercapacitive performance. *Bulletin of Materials Science*, **2022**, 45, 1	1.7	0
136	Fabrication of a hole transporting Cu2AgIn(S0.5Se0.5)4 nanoparticles deposited carbon counter electrode for perovskite solar cell. *Materials Science in Semiconductor Processing*, **2022**, 147, 106686	4.3	1
135	Electrolytes for lithium□ulfur batteries **2022**, 179-203		
134	Electrospun Nanofibers based Electrodes and Electrolytes for Supercapacitors **2022**, 351-389		
133	Preparation of compact TiO2 thin film by artist spray gun-assisted pyrolysis method for lead-free perovskite solar cell. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 10412-10423	2.1	4
132	Recent Progress in Graphene-Based Microsupercapacitors. *Energy Technology*, **2021**, 9, 2000844	3.5	8
131	Cu2AgInS2Se2 quantum dots sensitized porous TiO2 nanofibers as a photoanode for high-performance quantum dot sensitized solar cell. *International Journal of Energy Research*, **2021**, 45, 13563-13574	4.5	2
130	Microbial Surfactants are Next-Generation Biomolecules for Sustainable Remediation of Polyaromatic Hydrocarbons **2021**, 139-158		4
129	Cobalt selenide decorated polyaniline composite nanofibers as a newer counter electrode for dye-sensitized solar cell. *Polymers for Advanced Technologies*, **2021**, 32, 3137-3149	3.2	1
128	Biologically reduced graphene oxide as a green and easily available photocatalyst for degradation of organic dyes. *Environmental Research*, **2021**, 196, 110983	7.9	11
127	The hole transporting behaviour of Cu2AgInS4 and Cu2AgInSe4 for a carbon electrode-based perovskite solar cell. *New Journal of Chemistry*, **2021**, 45, 423-430	3.6	5
126	Facile synthesis of reduced graphene oxide using and extracts and their in vitro cytotoxicity activity against human breast (MCF-7) and lung (A549) cancer cell lines. *3 Biotech*, **2021**, 11, 157	2.8	5
125	Designing Na2Zn2TeO6-Embedded 3D-Nanofibrous Poly(vinylidenefluoride)-co-hexafluoropropylene-Based Nanohybrid Electrolyte via Electrospinning for Durable Sodium-Ion Capacitors. *ACS Applied Energy Materials*, **2021**, 4, 8475-8487	6.1	6
124	Influence of pulse reverse current parameters on electrodeposition of copper-graphene nanocomposite coating. *Applied Surface Science Advances*, **2021**, 5, 100116	2.6	3
123	Nanohybrid engineering of the vertically confined marigold structure of rGO-VSe2 as an advanced cathode material for aqueous zinc-ion battery. *Journal of Alloys and Compounds*, **2021**, 882, 160704	5.7	3
122	Mesoporous Carbon/□-FeO Nanoleaf Composites for Disposable Nitrite Sensors and Energy Storage Applications. *ACS Omega*, **2020**, 5, 32160-32170	3.9	7
121	Anti-bacterial and anti-biofilm properties of green□ynthesized copper nanoparticles from Cardiospermum halicacabum leaf extract. *Bioprocess and Biosystems Engineering*, **2020**, 43, 1649-1657	3.7	26

120	3D assembly of MXene-stabilized spinel ZnMn2O4 for highly durable aqueous zinc-ion batteries. *Chemical Engineering Journal*, **2020**, 399, 125627	14.7	80
119	Influence of a bifunctional linker on the loading of Cu2AgInS4 QDs onto porous TiO2 NFs to use as an efficient photoanode to boost the photoconversion efficiency of QDSCs. *New Journal of Chemistry*, **2020**, 44, 13148-13156	3.6	8
118	Development of MoSe2/PANI composite nanofibers as an alternative to Pt counter electrode to boost the photoconversion efficiency of dye sensitized solar cell. *Journal of Solid State Electrochemistry*, **2020**, 24, 2289-2300	2.6	12
117	Cu2AgInSe4 QDs sensitized electrospun porous TiO2 nanofibers as an efficient photoanode for quantum dot sensitized solar cells. *Solar Energy*, **2020**, 199, 317-325	6.8	11
116	Spontaneous exfoliation and tailoring derived oxygen-riched porous carbon nanosheets for superior Li+ storage performance. *Chemical Engineering Journal*, **2020**, 387, 124104	14.7	21
115	Morphology restrained growth of VO by the oxidation of V-MXenes as a fast diffusion controlled cathode material for aqueous zinc ion batteries. *Chemical Communications*, **2020**, 56, 6412-6415	5.8	50
114	Influence of Polypyrrole Incorporated Electrospun Poly(vinylidene fluoride-co-hexafluoropropylene) Nanofibrous Composite Membrane Electrolyte on the Photovoltaic Performance of Dye Sensitized Solar Cell. *Engineered Science*, **2020**,	3.8	9
113	3D interpenetrating assembly of partially oxidized MXene confined Mn□e bimetallic oxide for superior energy storage in ionic liquid. *Electrochimica Acta*, **2020**, 334, 135546	6.7	62
112	Development of tungsten diselenide/polyaniline composite nanofibers as an efficient electrocatalytic counter electrode material for dye-sensitized solar cell. *Solar Energy*, **2020**, 209, 538-546	6.8	12
111	Research progress in rare earths and their composites based electrode materials for supercapacitors. *Green Energy and Environment*, **2020**, 5, 259-273	5.7	38
110	A fast Li-ion conducting Li7.1La3Sr0.05Zr1.95O12 embedded electrospun PVDF-HFP nanohybrid membrane electrolyte for all-solid-state Li-ion capacitors. *Materials Today Communications*, **2020**, 25, 101497	2.5	10
109	Construction of heterogeneous 2D layered MoS2/MXene nanohybrid anode material via interstratification process and its synergetic effect for asymmetric supercapacitors. *Applied Surface Science*, **2020**, 534, 147644	6.7	27
108	Optimizing graphene content in a NiSe/graphene nanohybrid counter electrode to enhance the photovoltaic performance of dye-sensitized solar cells. *Nanoscale*, **2019**, 11, 17579-17589	7.7	72
107	Sonochemical synthesis of a 2D□D MoSe2/graphene nanohybrid electrode material for asymmetric supercapacitors. *Sustainable Energy and Fuels*, **2019**, 3, 467-477	5.8	75
106	A simple one-step hydrothermal synthesis of cobalt nickel selenide/graphene nanohybrid as an advanced platinum free counter electrode for dye sensitized solar cell. *Electrochimica Acta*, **2019**, 312, 157-167	6.7	58
105	Hydrothermally Synthesized Li□iO Nanotubes Anode Material with Enhanced Li-Ion Battery Performances. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 7387-7391	1.3	11
104	2D MoSe2-Ni(OH)2 nanohybrid as an efficient electrode material with high rate capability for asymmetric supercapacitor applications. *Chemical Engineering Journal*, **2019**, 355, 881-890	14.7	153
103	A wide solar spectrum light harvesting Ag2Se quantum dot-sensitized porous TiO2 nanofibers as photoanode for high-performance QDSC. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	13

102	Influence of pulse reverse current on mechanical and corrosion resistance properties of Ni-MoSe2 nanocomposite coatings. *Applied Surface Science*, **2019**, 493, 225-230	6.7	13
101	All-Solid-State Electrospun Poly(vinylidene fluoride-co-hexafluoropropylene)/Li7.1La3Ba0.05Zr1.95O12 Nanohybrid Membrane Electrolyte for High-Energy Li-Ion Capacitors. *Journal of Physical Chemistry C*, **2019**, 123, 30145-30154	3.8	14
100	Constructing efficient mixed-ion perovskite solar cells based on TiO nanorod array. *Journal of Colloid and Interface Science*, **2019**, 534, 459-468	9.3	72
99	Synthesis and Characterization of ZnNiIn Layered Double Hydroxides Derived Mixed Metal Oxides with Highly Efficient Photoelectrocatalytic Activities. *Industrial & Engineering Chemistry Research*, **2019**, 58, 836-848	3.9	84
98	Synthesis and Characterization of Nanostructured Copper Zinc Tin Sulphide (CZTS) for Humidity Sensing Applications. *IEEE Sensors Journal*, **2019**, 19, 2837-2846	4	20
97	Progress on the Photocatalytic Reduction Removal of Chromium Contamination. *Chemical Record*, **2019**, 19, 873-882	6.6	132
96	Development of electrospun PAN/CoS nanocomposite membrane electrolyte for high-performance DSSC. *Ionics*, **2018**, 24, 4071-4080	2.7	31
95	Glycolipid biosurfactant as an eco-friendly microbial inhibitor for the corrosion of carbon steel in vulnerable corrosive bacterial strains. *Journal of Molecular Liquids*, **2018**, 261, 473-479	6	33
94	Development of porous TiO2 nanofibers by solvosonication process for high performance quantum dot sensitized solar cell. *Solar Energy Materials and Solar Cells*, **2018**, 179, 417-426	6.4	48
93	Facile synthesis of electrostatically anchored Nd(OH)3 nanorods onto graphene nanosheets as a high capacitance electrode material for supercapacitors. *New Journal of Chemistry*, **2018**, 42, 2923-2932	3.6	55
92	Cu2ZnSnSe4 QDs sensitized electrospun porous TiO2 nanofibers as photoanode for high performance QDSC. *Solar Energy*, **2018**, 171, 571-579	6.8	28
91	Influence of Various Ionic Liquids Embedded Electrospun Polymer Membrane Electrolytes on the Photovoltaic Performance of DSSC. *Engineered Science*, **2018**,	3.8	19
90	Enhanced Electrochemical Performance of Cu2+ doped TiO2 Nanoparticles for Lithium-ion Battery. *ES Materials & Manufacturing*, **2018**,	3.7	6
89	In situ grown nickel selenide on graphene nanohybrid electrodes for high energy density asymmetric supercapacitors. *Nanoscale*, **2018**, 10, 20414-20425	7.7	268
88	A Facile Chemical Precipitation Method for the Synthesis of Nd(OH)3 and La(OH)3 Nanopowders and their Supercapacitor Performances. *ChemistrySelect*, **2018**, 3, 12719-12724	1.8	25
87	Overview of carbon nanostructures and nanocomposites for electromagnetic wave shielding. *Carbon*, **2018**, 140, 696-733	10.4	403
86	Development of CeO2 nanorods reinforced electrodeposited nickel nanocomposite coating and its tribological and corrosion resistance properties. *Journal of Rare Earths*, **2018**, 36, 1319-1325	3.7	11
85	Development of 2D La(OH)3 /graphene nanohybrid by a facile solvothermal reduction process for high-performance supercapacitors. *Electrochimica Acta*, **2018**, 281, 329-337	6.7	58

84	Hydrothermal assisted in situ growth of CoSe onto graphene nanosheets as a nanohybrid positive electrode for asymmetric supercapacitors. *RSC Advances*, **2017**, 7, 5853-5862	3.7	94
83	High Performance Electrospun PVdF-HFP/MMT Nanofibrous Composite Membrane Electrolyte for Li-Ion Capacitors. *Nano Hybrids and Composites*, **2017**, 14, 1-15	0.7	1
82	Dimensional stability and electrochemical behaviour of ZrO incorporated electrospun PVdF-HFP based nanocomposite polymer membrane electrolyte for Li-ion capacitors. *Scientific Reports*, **2017**, 7, 45390	4.9	53
81	High performance electrospun PVdF-HFP/SiO2 nanocomposite membrane electrolyte for Li-ion capacitors. *Journal of Applied Polymer Science*, **2017**, 134, 45177	2.9	46
80	Electrospun Nd3+-Doped LiMn2O4 Nanofibers as High-Performance Cathode Material for Li-Ion Capacitors. *ChemElectroChem*, **2017**, 4, 2059-2067	4.3	56
79	In situ grown cobalt selenide/graphene nanocomposite counter electrodes for enhanced dye-sensitized solar cell performance. *Journal of Materials Chemistry A*, **2017**, 5, 14583-14594	13	68
78	In-Situ Growth of CoS Nanoparticles Onto Electrospun Graphitized Carbon Nanofibers as an Efficient Counter Electrode for Dye-Sensitized Solar Cells. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 398-404	1.3	6
77	ZnSe quantum dots sensitized electrospun ZnO nanofibers as an efficient photoanode for improved performance of QDSSC. *Materials Science in Semiconductor Processing*, **2017**, 64, 16-23	4.3	15
76	Electrodeposition and characterisation of Cu□MWCNTs nanocomposite coatings. *Surface Engineering*, **2017**, 33, 369-374	2.6	20
75	One-pot electrochemical preparation of copper species immobilized poly(o-aminophenol)/MWCNT composite with excellent electrocatalytic activity for use as an H2O2 sensor. *Inorganic Chemistry Frontiers*, **2017**, 4, 1356-1364	6.8	6
74	Assisted combustion synthesis and characterization of Pr 0.6 Sr 0.4 MnO 3□□hano crystalline powder as cathode material for IT-SOFC. *Ceramics International*, **2017**, 43, 988-991	5.1	9
73	Synthesis and electrochemical performance of P2-Na0.67AlxCo1-xO2 (0.0 □□0.5) nanopowders for sodium-ion capacitors. *Ionics*, **2017**, 23, 731-739	2.7	33
72	Bimetal (Ni□Co) nanoparticles-incorporated electrospun carbon nanofibers as an alternative counter electrode for dye-sensitized solar cells. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	18
71	Enhancement in growth rate and productivity of spinach grown in hydroponics with iron oxide nanoparticles. *RSC Advances*, **2016**, 6, 15451-15459	3.7	70
70	Electrospun TiC embedded CNFs as a low cost platinum-free counter electrode for dye-sensitized solar cell. *Materials Research Bulletin*, **2016**, 75, 83-90	5.1	34
69	Montmorillonite embedded electrospun PVdF□HFP nanocomposite membrane electrolyte for Li-ion capacitors. *Applied Materials Today*, **2016**, 5, 33-40	6.6	49
68	Graphene quantum dots decorated electrospun TiO2 nanofibers as an effective photoanode for dye sensitized solar cells. *Solar Energy Materials and Solar Cells*, **2015**, 143, 250-259	6.4	77
67	Influence of PVP template on the formation of porous TiO2 nanofibers by electrospinning technique for dye-sensitized solar cell. *Applied Physics A: Materials Science and Processing*, **2015**, 120, 1211-1218	2.6	18

66	Influence of earth-abundant bimetallic (FeNi) nanoparticle-embedded CNFs as a low-cost counter electrode material for dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 43611-43619	3.7	40
65	Microwave-assisted combustion synthesis of nanocrystalline Sm-doped La 2 Mo 2 O 9 oxide-ion conductors for SOFC application. *Materials Research Bulletin*, **2015**, 68, 320-325	5.1	9
64	Development of a conjugated polyaniline incorporated electrospun poly(vinylidene fluoride-co-hexafluoropropylene) composite membrane electrolyte for high performance dye-sensitized solar cells. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	34
63	High-performance dye-sensitized solar cell based on an electrospun poly(vinylidene fluoride-co-hexafluoropropylene)/cobalt sulfide nanocomposite membrane electrolyte. *RSC Advances*, **2015**, 5, 52026-52032	3.7	56
62	Mechanical and corrosion resistance properties of electrodeposited Cu–ZrO2 nanocomposites. *Transactions of the Institute of Metal Finishing*, **2015**, 93, 262-266	1.3	12
61	Effect of 1-butyl-3-methylimidazolium iodide containing electrospun poly(vinylidene fluoride-co-hexafluoropropylene) membrane electrolyte on the photovoltaic performance of dye-sensitized solar cells. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	9
60	Developments in conducting polymer based counter electrodes for dye-sensitized solar cells—An overview. *European Polymer Journal*, **2015**, 66, 207-227	5.2	206
59	Polyol thermolysis synthesis of TiO2 nanoparticles and its paste formulation to fabricate photoanode for dye-sensitized solar cells. *Applied Physics A: Materials Science and Processing*, **2015**, 119, 497-502	2.6	10
58	Preparation of electrospun Co3O4 nanofibers as electrode material for high performance asymmetric supercapacitors. *Electrochimica Acta*, **2014**, 149, 152-158	6.7	116
57	Influence of Al2O3 nanoparticles embedded-TiO2 nanofibers based photoanodes on photovoltaic performance of a dye sensitized solar cell. *RSC Advances*, **2014**, 4, 52871-52877	3.7	15
56	Microwave-assisted exfoliation method to develop platinum-decorated graphene nanosheets as a low cost counter electrode for dye-sensitized solar cells. *RSC Advances*, **2014**, 4, 36226-36233	3.7	34
55	Preparation, characterization, and evaluation of LiNi0.4Co0.6O2 nanofibers for supercapacitor applications. *Journal of Solid State Electrochemistry*, **2014**, 18, 2387-2392	2.6	11
54	Synthesis of Polythiophene and its Carbonaceous Nanofibers as Electrode Materials for Asymmetric Supercapacitors. *Advanced Materials Research*, **2014**, 938, 151-157	0.5	30
53	Selective ethanol gas sensing behavior of mesoporous n-type semiconducting FeNbO4 nanopowder obtained by niobium–citrate process. *Current Applied Physics*, **2014**, 14, 439-446	2.6	10
52	Preparation and LPG-gas sensing characteristics of p-type semiconducting LaNbO4 ceramic material. *Applied Surface Science*, **2013**, 283, 58-64	6.7	27
51	Effect of different compositions of ethylene carbonate and propylene carbonate containing iodide/triiodide redox electrolyte on the photovoltaic performance of DSSC. *Ionics*, **2013**, 19, 1649-1653	2.7	24
50	Electrodeposition and characterisation of Cu–CeO2 nanocomposite coatings. *Surface Engineering*, **2013**, 29, 511-515	2.6	15
49	Development of nanocrystalline CrNbO4 based p-type semiconducting gas sensor for LPG, ethanol and ammonia. *Sensors and Actuators B: Chemical*, **2012**, 168, 165-171	8.5	26

48	Synthesis and characterization of InNbO4 nanopowder for gas sensors. *Talanta*, **2012**, 88, 115-20	6.2	14
47	Preparation of TiO2 paste using poly(vinylpyrrolidone) for dye sensitized solar cells. *Thin Solid Films*, **2012**, 520, 7018-7021	2.2	13
46	Development of wide band gap sensor based on AlNbO4 nanopowder for ethanol. *Journal of Alloys and Compounds*, **2012**, 526, 110-115	5.7	9
45	Organic acid doped polythiophene nanoparticles as electrode material for redox supercapacitors. *Polymers for Advanced Technologies*, **2011**, 22, 788-793	3.2	39
44	Formation of anatase TiO2 nanoparticles by simple polymer gel technique and their properties. *Powder Technology*, **2011**, 205, 36-41	5.2	40
43	A New Class of P(VdF-HFP)-CeO2-LiClO4-Based Composite Microporous Membrane Electrolytes for Li-Ion Batteries. *International Journal of Electrochemistry*, **2011**, 2011, 1-10	2.4	6
42	Nanocrystalline LiMn2O4 thin film cathode material prepared by polymer spray pyrolysis method for Li-ion battery. *Journal of Alloys and Compounds*, **2010**, 489, 674-677	5.7	32
41	Electrodeposition and characterization of Cu-TiO2 nanocomposite coatings. *Journal of Solid State Electrochemistry*, **2009**, 13, 1777-1783	2.6	66
40	Effect of porosity on PVdF-co-HFP-PMMA-based electrolyte. *Materials Chemistry and Physics*, **2008**, 110, 11-16	4.4	16
39	Synthesis and characterization of nanocrystalline La2Mo2O9 fast oxide-ion conductor by an in-situ polymerization method. *Materials Research Bulletin*, **2008**, 43, 1153-1159	5.1	9
38	High-performance quasi-solid-state dye-sensitized solar cell based on an electrospun PVdF-HFP membrane electrolyte. *Langmuir*, **2008**, 24, 9816-9	4	114
37	Synthesis and characterization of nanocrystalline La2Mo2O9 oxide-ion conductor by a novel polyaspartate precursor method. *Journal of Alloys and Compounds*, **2008**, 456, 234-238	5.7	8
36	Development of Novel Acidizing Inhibitors for Carbon Steel Corrosion in 15% Boiling Hydrochloric Acid. *Corrosion*, **2008**, 64, 541-552	1.8	116
35	Preparation and electrochemical behaviour of LiMn2O4 thin film by spray pyrolysis method. *Thin Solid Films*, **2008**, 516, 8295-8298	2.2	15
34	Effect of nanoscale CeO2 on PVDF-HFP-based nanocomposite porous polymer electrolytes for Li-ion batteries. *Journal of Solid State Electrochemistry*, **2008**, 12, 1135-1141	2.6	57
33	Polyaniline nanofibers by surfactant-assisted dilute polymerization for supercapacitor applications. *Polymers for Advanced Technologies*, **2008**, 19, 725-727	3.2	54
32	Polyol-mediated thermolysis process for the synthesis of MgO nanoparticles and nanowires. *Nanotechnology*, **2007**, 18, 225601	3.4	41
31	A novel polyaspartate precursor method for the synthesis of LiCayMn2-yO4 nanoparticles for Li-ion batteries. *Nanotechnology*, **2007**, 18, 065603	3.4	2

30	Alternating-current impedance and chronoamperometry studies of poly(vinylidene fluoride-co-hexafluoropropylene)–polyacrylonitrile-based microporous polymer blend electrolytes prepared by a phase-inversion technique. *Journal of Applied Polymer Science*, **2007**, 105, 2830-2836	2.9	1
29	Electrocatalytic cobalt–molybdenum alloy deposits. *International Journal of Hydrogen Energy*, **2007**, 32, 2843-2847	6.7	32
28	Effect of MgO nanoparticles on ionic conductivity and electrochemical properties of nanocomposite polymer electrolyte. *Journal of Membrane Science*, **2007**, 300, 104-110	9.6	55
27	Synthesis of nano-crystalline (Ba0.5Sr0.5)Co0.8Fe0.2O3–cathode material by a novel sol–gel thermolysis process for IT-SOFCs. *Journal of Power Sources*, **2007**, 165, 728-732	8.9	31
26	Synthesis of ZrO2 nanoparticles in microwave hydrolysis of Zr (IV) salt solutions–Ionic conductivity of PVdF-co-HFP-based polymer electrolyte by the inclusion of ZrO2 nanoparticles. *Journal of Physics and Chemistry of Solids*, **2007**, 68, 264-271	3.9	28
25	Effect of PVA with various combustion fuels in sol–gel thermolysis process for the synthesis of LiMn2O4 nanoparticles for Li-ion batteries. *Materials Chemistry and Physics*, **2007**, 102, 19-23	4.4	49
24	Microwave-assisted combustion synthesis of nanocrystalline La2Mo2O9 oxide-ion conductor and its characterization. *Journal of Solid State Electrochemistry*, **2007**, 12, 143-148	2.6	15
23	Polyaspartic-acid-pyrolysis route for the synthesis of nanocrystalline LiCo0.15Mn1.85O4 powder for Li-ion batteries. *Ionics*, **2007**, 13, 61-65	2.7	5
22	Nano-size LiAlO2 ceramic filler incorporated porous PVDF-co-HFP electrolyte for lithium-ion battery applications. *Electrochimica Acta*, **2007**, 52, 4987-4993	6.7	67
21	Synthesis, sinterability and ionic conductivity of nanocrystalline Pr-doped La2Mo2O9 fast oxide-ion conductors. *Journal of Power Sources*, **2007**, 167, 319-324	8.9	27
20	Microstructure of PVdF-co-HFP based electrolyte prepared by preferential polymer dissolution process. *Journal of Membrane Science*, **2007**, 289, 1-6	9.6	61
19	Preparation of a novel composite micro-porous polymer electrolyte membrane for high performance Li-ion battery. *Journal of Membrane Science*, **2007**, 294, 8-15	9.6	109
18	New polymer electrolyte based on (PVA–PAN) blend for Li-ion battery applications. *Ionics*, **2006**, 12, 175-178	2.7	42
17	A one-step procedure to prepare LiAsF6 and other allied lithium-based fluoro compounds used as electrolyte in lithium cells. *Ionics*, **2006**, 12, 327-329	2.7	1
16	Diethylamine phosphate as VPI for steel components. *Materials Chemistry and Physics*, **2006**, 100, 193-197	4.4	5
15	Combustion synthesis of inverse spinel LiNiVO4 nano-particles using gelatine as the new fuel. *Materials Letters*, **2006**, 60, 3023-3026	3.3	21
14	Preparation and Piezoelectric Properties of Lead Zirconate Titanate Ceramics. *Ferroelectrics*, **2006**, 332, 77-82	0.6	
13	Synthesis of Nanocrystalline LiCdxMn2-xO4 Cathode Materials by Using a New Combustion Fuel for Li-ion Polymer Battery. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2006**, 36, 203-207		2

12	Structural and electrochemical properties of micro-porous polymer blend electrolytes based on PVdF-co-HFP-PAN for Li-ion battery applications. *Journal of Power Sources*, **2006**, 153, 177-182	8.9	82
11	Synthesis of nano-crystalline LiSrxMn2□O4 powder by a novel sol□gel thermolysis process for Li-ion polymer battery. *Journal of Power Sources*, **2006**, 158, 1410-1413	8.9	16
10	Development of PVA based micro-porous polymer electrolyte by a novel preferential polymer dissolution process. *Journal of Power Sources*, **2005**, 141, 188-192	8.9	32
9	Preparation of a microporous gel polymer electrolyte with a novel preferential polymer dissolution process for Li-ion batteries. *Journal of Applied Polymer Science*, **2005**, 98, 1891-1896	2.9	26
8	Preparation of nanoparticle size LiBiO2 by combustion method and its electrochemical studies for lithium secondary cells **2005**, 65, 973-980		3
7	Synthesis and characterization of LiMgyMn2-yO4 cathode materials by a modified Pechini process for lithium batteries. *Bulletin of Materials Science*, **2005**, 28, 663-667	1.7	7
6	A new approach to synthesize LiAsF6 and other lithium based fluorochemicals for rechargeable lithium cells. *Ionics*, **2005**, 11, 198-201	2.7	0
5	Preparation and Piezoelectric Properties of Lead Zirconate Titanate Ceramics. *Ferroelectrics*, **2005**, 325, 43-48	0.6	
4	Aldimines □Effective Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Solution. *Journal of Applied Electrochemistry*, **2004**, 34, 693-696	2.6	16
3	The influence of benzoyl hydrazine and some of its substituents on corrosion inhibition of carbon steel in sulphuric acid solution. *Anti-Corrosion Methods and Materials*, **2004**, 51, 414-419	0.8	7
2	Composite polymer electrolytes: progress, challenges, and future outlook for sodium-ion batteries. *Advanced Composites and Hybrid Materials*,1	8.7	0
1	Polymer supported electrospun nanofibers with supramolecular materials for biological applications □a review. *International Journal of Polymeric Materials and Polymeric Biomaterials*,1-17	3	1