

# Ramesh Kasi

## 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.

164  
papers

3,839  
citations

33  
h-index

54  
g-index

172  
ext. papers

5,031  
ext. citations

3.7  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
164	Self-healable poly (N, N-dimethylacrylamide)/poly (3,4-ethylenedioxythiophene) polystyrene sulfonate composite hydrogel electrolytes for aqueous supercapacitors. <i>Journal of Energy Storage</i> , <b>2022</b> , 45, 103760	7.8	2
163	A comprehensive review: Super hydrophobic graphene nanocomposite coatings for underwater and wet applications to enhance corrosion resistance. <i>FlatChem</i> , <b>2022</b> , 31, 100326	5.1	1
162	Sonochemically synthesized cobalt oxide nanoparticles as an additive for natural polymer iodide electrolyte based dye-sensitized solar cells. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 49, 101746	4.7	1
161	Hybrid organic polymer electrolytes for dye-sensitized solar cells <b>2022</b> , 181-212		0
160	A review on the recent advances in binder-free electrodes for electrochemical energy storage application. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104283	7.8	2
159	Review on the Revolution of Polymer Electrolytes for Dye-Sensitized Solar Cells. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 19320-19350	4.1	1
158	Electrical property enhancement of poly (vinyl alcohol-co-ethylene) based gel polymer electrolyte incorporated with triglyme for electric double-layer capacitors (EDLCs). <i>Ionics</i> , <b>2021</b> , 27, 361-373	2.7	3
157	Influence of different concentrations of 4-tert-butyl-pyridine in a gel polymer electrolyte towards improved performance of Dye-Sensitized Solar Cells (DSSC). <i>Solar Energy</i> , <b>2021</b> , 216, 111-119	6.8	15
156	Tailorable solid-state supercapacitors based on poly (N-hydroxymethylacrylamide) hydrogel electrolytes with high ionic conductivity. <i>Journal of Energy Storage</i> , <b>2021</b> , 35, 102320	7.8	5
155	Augmentation of dye-sensitized solar cell photovoltaic conversion efficiency via incorporation of terpolymer Poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) based gel polymer electrolytes. <i>Polymer</i> , <b>2021</b> , 223, 123713	3.9	4
154	New perspectives on Graphene/Graphene oxide based polymer nanocomposites for corrosion applications: The relevance of the Graphene/Polymer barrier coatings. <i>Progress in Organic Coatings</i> , <b>2021</b> , 154, 106215	4.8	14
153	Consolidation of ion promoters into quasi solid-state (QSS) polymer electrolytes for dye-sensitized solar cells (DSSCs). <i>Solid State Ionics</i> , <b>2021</b> , 363, 115592	3.3	4
152	Flexible and self-healable poly (N, N-dimethylacrylamide) hydrogels for supercapacitor prototype. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 617, 126377	5.1	7
151	Highly efficient dye-sensitized solar cells: A comparative study with two different system of solvent-free binary room-temperature ionic liquid-based electrolytes. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51312	2.9	1
150	Aqueous solid and gel electrolytes for supercapattery <b>2021</b> , 271-310		0
149	An extensive study of the adhesion and antifogging of the transparent polydimethylsiloxane/Sylgard coating system <b>2021</b> , 83-103		0
148	A review on plant extracts as natural additives in coating applications. <i>Progress in Organic Coatings</i> , <b>2021</b> , 151, 106091	4.8	22

147	Growth of nanostructured cobalt sulfide-based nanocomposite as faradaic binder-free electrode for supercapattery. <i>Journal of Energy Storage</i> , <b>2021</b> , 39, 102599	7.8	5
146	Effect of electrode substrate and poly(acrylamide) hydrogel electrolytes on the electrochemical performance of supercapacitors. <i>Ionics</i> , <b>2021</b> , 27, 4507-4519	2.7	0
145	Development of active barrier effect of hybrid chitosan/silica composite epoxy-based coating on mild steel surface. <i>Surfaces and Interfaces</i> , <b>2021</b> , 25, 101250	4.1	7
144	Conducting polymer/graphene hydrogel electrodes based aqueous smart Supercapacitors: A review and future prospects. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 898, 115626	4.1	6
143	Fabrication of aqueous solid-state symmetric supercapacitors based on self-healable poly (acrylamide)/PEDOT:PSS composite hydrogel electrolytes. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 273, 125125	4.4	2
142	Ternary nanocomposites for supercapattery <b>2021</b> , 141-173		0
141	Effect of Salt Concentration on Poly (Acrylic Acid) Hydrogel Electrolytes and their Applications in Supercapacitor. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 100524	3.9	11
140	Effects of TiO <sub>2</sub> Nanoparticles on the Overall Performance and Corrosion Protection Ability of Neat Epoxy and PDMS Modified Epoxy Coating Systems. <i>Frontiers in Materials</i> , <b>2020</b> , 6,	4	17
139	Poly (1-vinylpyrrolidone-co-vinyl acetate) (PVP-co-VAc) based gel polymer electrolytes for electric double layer capacitors (EDLC). <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	17
138	Improved ionic conductivity and efficiency of dye-sensitized solar cells with the incorporation of 1-methyl-3-propylimidazolium iodide. <i>Ionics</i> , <b>2020</b> , 26, 3173-3183	2.7	11
137	Coral-like structured nickel sulfide-cobalt sulfide binder-free electrode for supercapattery. <i>Ionics</i> , <b>2020</b> , 26, 3621-3630	2.7	4
136	Influence of tetraglyme towards magnesium salt dissociation in solid polymer electrolyte for electric double layer capacitor. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	6
135	Preparation of Hybrid Chitosan/Silica Composites Via Ionotropic Gelation and Its Electrochemical Impedance Studies. <i>Progress in Organic Coatings</i> , <b>2020</b> , 145, 105679	4.8	6
134	Facile synthesis of ternary nanocomposite of polypyrrole incorporated with cobalt oxide and silver nanoparticles for high performance supercapattery. <i>Electrochimica Acta</i> , <b>2020</b> , 348, 136313	6.7	23
133	Electrochemical studies of 1,2,3-Benzotriazole inhibitor for acrylic-based coating in different acidic media systems. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	3
132	Development of fully organic coating system modified with epoxidized soybean oil with superior corrosion protection performance. <i>Progress in Organic Coatings</i> , <b>2020</b> , 140, 105523	4.8	8
131	Ternary nanocomposite of cobalt oxide nanograins and silver nanoparticles grown on reduced graphene oxide conducting platform for high-performance supercapattery electrode material. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153452	5.7	33
130	Effect of 1-Hexyl-3-Methylimidazolium Iodide Ionic Liquid on Ionic Conductivity and Energy Conversion Efficiency of Solid Polymer Electrolyte-Based Nano-Crystalline Dye-Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 2423-2429	1.3	8

129	Facile sonochemical synthesis of 2D porous Co <sub>3</sub> O <sub>4</sub> nanoflake for supercapattery. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 819, 153019	5.7	22
128	Synthesis and characterization of hybrid poly (N, N-dimethylacrylamide) composite hydrogel electrolytes and their performance in supercapacitor. <i>Electrochimica Acta</i> , <b>2020</b> , 332, 135438	6.7	24
127	Effect of physical interaction between polyaniline and metal phosphate nanocomposite as positive electrode for supercapattery. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101850	7.8	2
126	Synthesis and characterization of self-healable poly (acrylamide) hydrogel electrolytes and their application in fabrication of aqueous supercapacitors. <i>Polymer</i> , <b>2020</b> , 210, 123020	3.9	18
125	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. <i>Polymers</i> , <b>2020</b> , 12,	4.5	70
124	Cobalt Oxide Nanograins and Silver Nanoparticles Decorated Fibrous Polyaniline Nanocomposite as Battery-Type Electrode for High Performance Supercapattery. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
123	Study of the physical and electrochemical properties of hybrid paint system based on zinc-rich primer for mild steel protection. <i>Pigment and Resin Technology</i> , <b>2020</b> , 49, 33-40	1	1
122	Synthesis of nano-TiO <sub>2</sub> coating systems for solar cell. <i>Pigment and Resin Technology</i> , <b>2020</b> , 49, 26-32	1	0
121	Three-dimensional hierarchical nanostructured porous TiO <sub>2</sub> aerogel/Cobalt based metal-organic framework (MOF) composite as an electrode material for supercapattery. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101750	7.8	14
120	Effect of Charge Density on the Mechanical and Electrochemical Properties of Poly (acrylic acid) Hydrogel Electrolytes Based Flexible Supercapacitors. <i>Materials Today Communications</i> , <b>2020</b> , 25, 101558	2.5	5
119	Facile synthesise of transparent hydrophobic nano- CaCO <sub>3</sub> based coatings for self-cleaning and anti-fogging. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 239, 121913	4.4	22
118	Enhancing efficiency of dye sensitized solar cells based on poly(propylene) carbonate polymer gel electrolytes incorporating double salts. <i>Ionics</i> , <b>2020</b> , 26, 493-502	2.7	7
117	lota-carrageenan-based polymer electrolyte: impact on ionic conductivity with incorporation of AmNTFSI ionic liquid for supercapacitor. <i>Ionics</i> , <b>2019</b> , 25, 3321-3329	2.7	8
116	Efficiency enhancement study on addition of 1-hexyl-3-methylimidazolium iodide ionic liquid to the poly(methyl methacrylate-co-methacrylic acid) electrolyte system as applied in dye-sensitized solar cells. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 129, 252-260	3.9	9
115	Polyacrylonitrile/poly(1-vinyl pyrrolidone-co-vinyl acetate) blend based gel polymer electrolytes incorporated with sodium iodide salt for dye-sensitized solar cell applications. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47810	2.9	13
114	Development of asymmetric device using Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> as a positive electrode for energy storage application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 7435-7446	2.1	22
113	Effect of different imidazolium-based ionic liquids on gel polymer electrolytes for dye-sensitized solar cells. <i>Ionics</i> , <b>2019</b> , 25, 2427-2435	2.7	29
112	Investigation on gel polymer electrolyte-based dye-sensitized solar cells using carbon nanotube. <i>Ionics</i> , <b>2019</b> , 25, 319-325	2.7	13

111	The Effect of Incorporation of Multi-Walled Carbon Nanotube into Poly(Ethylene Oxide) Gel Electrolyte on the Photovoltaic Performance of Dye-Sensitized Solar Cell. <i>Polymer-Plastics Technology and Materials</i> , <b>2019</b> , 58, 97-104	1.5	2
110	Density functional theory simulation of cobalt oxide aggregation and facile synthesis of a cobalt oxide, gold and multiwalled carbon nanotube based ternary composite for a high performance supercapattery. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 13183-13195	3.6	13
109	Enhancing the Efficiency of a Dye-Sensitized Solar Cell Based on a Metal Oxide Nanocomposite Gel Polymer Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30185-30196	9.5	23
108	SYNTHESIS AND CHARACTERIZATION OF pH-SENSITIVE N-SUCCINYLL CHITOSAN HYDROGEL AND ITS PROPERTIES FOR BIOMEDICAL APPLICATIONS. <i>Journal of the Chilean Chemical Society</i> , <b>2019</b> , 64, 4571-4574	2.5	8
107	Transparent self-cleaning coating of modified polydimethylsiloxane (PDMS) for real outdoor application. <i>Progress in Organic Coatings</i> , <b>2019</b> , 131, 232-239	4.8	24
106	Quasi solid-state dye-sensitized solar cell with P(MMA-co-MAA)-based polymer electrolytes. <i>Journal of Solid State Electrochemistry</i> , <b>2019</b> , 23, 1179-1189	2.6	12
105	Polymers-based nanocomposite coatings <b>2019</b> , 9-39		2
104	Solid polymer electrolytes based on poly(vinyl alcohol) incorporated with sodium salt and ionic liquid for electrical double layer capacitor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 251, 114468	3.1	33
103	Optimization of poly(vinyl alcohol-co-ethylene)-based gel polymer electrolyte containing nickel phosphate nanoparticles for dye-sensitized solar cell application. <i>Solar Energy</i> , <b>2019</b> , 178, 231-240	6.8	11
102	Efficiency enhancement of dye-sensitized solar cell based gel polymer electrolytes using Poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate)/tetrapropylammonium iodide. <i>Materials Science in Semiconductor Processing</i> , <b>2019</b> , 91, 414-421	4.3	19
101	The conductivity and dielectric studies of polymer electrolytes based on iota-carrageenan with sodium iodide and 1-butyl-3-methylimidazolium iodide for the dye-sensitized solar cells. <i>Ionics</i> , <b>2019</b> , 25, 763-771	2.7	16
100	Enhancing the performance of green solid-state electric double-layer capacitor incorporated with fumed silica nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 117, 194-203	3.9	44
99	Enhancing rate capability of amorphous nickel phosphate supercapattery electrode via composition with crystalline silver phosphate. <i>Electrochimica Acta</i> , <b>2018</b> , 273, 216-228	6.7	68
98	Conductivity, dielectric studies and structural properties of P(VA-co-PE) and its application in dye sensitized solar cell. <i>Organic Electronics</i> , <b>2018</b> , 56, 116-124	3.5	23
97	The conductivity and dielectric studies of solid polymer electrolytes based on poly (acrylamide-co-acrylic acid) doped with sodium iodide. <i>Ionics</i> , <b>2018</b> , 24, 1947-1953	2.7	34
96	High performance supercapattery incorporating ternary nanocomposite of multiwalled carbon nanotubes decorated with Co <sub>3</sub> O <sub>4</sub> nanograins and silver nanoparticles as electrode material. <i>Electrochimica Acta</i> , <b>2018</b> , 278, 72-82	6.7	65
95	Corrosion protection performance of nanocomposite coatings under static, UV, and dynamic conditions <b>2018</b> , 15, 1035-1047		6
94	Quasi-Solid Polymer Electrolyte Composed of poly(1-vinylpyrrolidone-co-vinyl acetate) Copolymer and the Influence of Its Composition on Electrochemical Properties and the Performances of Dye-Sensitized Solar Cells. <i>Polymer-Plastics Technology and Engineering</i> , <b>2018</b> , 57, 98-107		2

93	CoCl <sub>2</sub> -doped polyaniline composites as electrode materials with enhanced electrochemical performance for supercapacitor application. <i>Polymer Bulletin</i> , <b>2018</b> , 75, 1563-1578	2.4	7
92	Solid terpolymer electrolyte based on poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) incorporated with lithium salt and tetraglyme for EDLCs. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45902	2.9	7
91	Enhanced efficiency in dye-sensitized solar cell based on zinc oxide-modified poly(ethylene oxide) gel electrolyte. <i>Ionics</i> , <b>2018</b> , 24, 1221-1226	2.7	7
90	Synthesis and characterization of karaya gum-g- poly (acrylic acid) hydrogels and in vitro release of hydrophobic quercetin. <i>Polymer</i> , <b>2018</b> , 147, 108-120	3.9	42
89	Electrical, dielectric and electrochemical characterization of novel poly(acrylic acid)-based polymer electrolytes complexed with lithium tetrafluoroborate. <i>Chemical Physics Letters</i> , <b>2018</b> , 692, 19-27	2.5	16
88	Thermogravimetric Analysis of Polymers <b>2018</b> , 1-29		21
87	Development of anti-corrosion coatings using the disposable waste material. <i>Pigment and Resin Technology</i> , <b>2018</b> , 47, 478-484	1	3
86	Binary Nanocomposite Of Co <sub>3</sub> O <sub>4</sub> Nanocubes Supported On Carbon Matrix For Supercapattery <b>2018</b> ,		2
85	Rheological behavior of biodegradable N-succinyl chitosan-g-poly (acrylic acid) hydrogels and their applications as drug carrier and in vitro theophylline release. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 454-466	7.9	27
84	Performance studies of ZnO and multi walled carbon nanotubes-based counter electrodes with gel polymer electrolyte for dye-sensitized solar cell. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 83, 144-149	4.3	12
83	Degradation of ultra-high molecular weight poly(methyl methacrylate-co-butyl acrylate-co-acrylic acid) under ultra violet irradiation. <i>RSC Advances</i> , <b>2017</b> , 7, 112-120	3.7	21
82	Na-doped LiMnPO <sub>4</sub> as an electrode material for enhanced lithium ion batteries. <i>Bulletin of Materials Science</i> , <b>2017</b> , 40, 171-175	1.7	15
81	A promising binary nanocomposite of zinc cobaltite intercalated with polyaniline for supercapacitor and hydrazine sensor. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 716, 96-105	5.7	80
80	Presence of NaI in PEO/PVdF-HFP blend based gel polymer electrolytes for fabrication of dye-sensitized solar cells. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 66, 144-148	4.3	19
79	Binary nanocomposite based on Co <sub>3</sub> O <sub>4</sub> nanocubes and multiwalled carbon nanotubes as an ultrasensitive platform for amperometric determination of dopamine. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 2739-2748	5.8	30
78	Influences of sintering temperatures and crystallite sizes on electrochemical properties of LiNiPO <sub>4</sub> as cathode materials via sol-gel route for lithium ion batteries. <i>Journal of Sol-Gel Science and Technology</i> , <b>2017</b> , 83, 12-18	2.3	9
77	Exploring the effect of novel N-butyl-6-methylquinolinium bis(trifluoromethylsulfonyl)imide ionic liquid addition to poly(methyl methacrylate-co-methacrylic) acid electrolyte system as employed in gel-state dye sensitized solar cells. <i>Electrochimica Acta</i> , <b>2017</b> , 240, 361-370	6.7	23
76	Comparison of the performance of copper oxide and yttrium oxide nanoparticle based hydroxyethyl cellulose electrolytes for supercapacitors. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	21

75	An enhanced performance of hybrid supercapacitor based on polyaniline-manganese phosphate binary composite. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 3205-3213	2.6	43
74	Studies on SiO <sub>2</sub> -hybrid polymeric nanocomposite coatings with superior corrosion protection and hydrophobicity. <i>Surface and Coatings Technology</i> , <b>2017</b> , 324, 536-545	4.4	66
73	Physico-chemical characterization of pH-sensitive N -Succinyl chitosan- g -poly (acrylamide- co -acrylic acid) hydrogels and invitro drug release studies. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 139, 38-54	4.7	30
72	Exploration on polypropylene carbonate polymer for gel polymer electrolyte preparation and dye-sensitized solar cell application. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45091	2.9	17
71	Ionic conductivity improvement in poly (propylene) carbonate-based gel polymer electrolytes using 1-butyl-3-methylimidazolium iodide (Bmiml) ionic liquid for dye-sensitized solar cell application. <i>Ionics</i> , <b>2017</b> , 23, 1601-1605	2.7	13
70	Novel development towards preparation of highly efficient ionic liquid based co-polymer electrolytes and its application in dye-sensitized solar cells. <i>Organic Electronics</i> , <b>2017</b> , 41, 33-41	3.5	17
69	Quasi-solid-state agar-based polymer electrolytes for dye-sensitized solar cell applications using imidazolium-based ionic liquid. <i>Ionics</i> , <b>2017</b> , 23, 1585-1590	2.7	19
68	Binary composite of polyaniline/copper cobaltite for high performance asymmetric supercapacitor application. <i>Electrochimica Acta</i> , <b>2017</b> , 227, 41-48	6.7	97
67	Anticorrosion properties of epoxy-nanochitosan nanocomposite coating. <i>Progress in Organic Coatings</i> , <b>2017</b> , 113, 74-81	4.8	37
66	pH responsive N-succinyl chitosan/Poly (acrylamide-co-acrylic acid) hydrogels and in vitro release of 5-fluorouracil. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179250	3.7	44
65	Anticorrosion Properties of Epoxy/Nanocellulose Nanocomposite Coating. <i>BioResources</i> , <b>2017</b> , 12,	1.3	11
64	Sonochemical synthesis of nanostructured nickel hydroxide as an electrode material for improved electrochemical energy storage application. <i>Progress in Natural Science: Materials International</i> , <b>2017</b> , 27, 416-423	3.6	33
63	Influence of acrylic acid on ethylene carbonate/dimethyl carbonate based liquid electrolyte and its supercapacitor application. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 30683-30690	6.7	36
62	Performance enhancement of poly (vinylidene fluoride-co-hexafluoro propylene)/polyethylene oxide based nanocomposite polymer electrolyte with ZnO nanofiller for dye-sensitized solar cell. <i>Organic Electronics</i> , <b>2017</b> , 49, 292-299	3.5	25
61	Facile fabrication of cobalt oxide nanograin-decorated reduced graphene oxide composite as ultrasensitive platform for dopamine detection. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 1043-1051	8.5	126
60	Efficiency of supercapacitor using EC/DMC-based liquid electrolytes with methyl methacrylate (MMA) monomer. <i>Ionics</i> , <b>2016</b> , 22, 107-114	2.7	10
59	The impact of the incorporation of dual salts into poly(1-vinylpyrrolidone-co-vinyl acetate) based quasi-solid polymer electrolyte on the electrochemical and photovoltaic performances of the dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 239-245	6.7	8
58	Poly(methyl methacrylate- co -butyl acrylate- co -acrylic acid): Physico-chemical characterization and targeted dye sensitized solar cell application. <i>Materials and Design</i> , <b>2016</b> , 108, 560-569	8.1	69

57	Novel poly(vinylidene fluoride-co-hexafluoro propylene)/polyethylene oxide based gel polymer electrolyte containing fumed silica (SiO <sub>2</sub> ) nanofiller for high performance dye-sensitized solar cell. <i>Electrochimica Acta</i> , <b>2016</b> , 220, 573-580	6.7	42
56	Effect of ionic liquid 1-butyl-3-methylimidazolium bromide on ionic conductivity of poly(ethyl methacrylate) based polymer electrolytes. <i>Materials Express</i> , <b>2016</b> , 6, 252-258	1.3	8
55	A novel coating material that uses nano-sized SiO <sub>2</sub> particles to intensify hydrophobicity and corrosion protection properties. <i>Electrochimica Acta</i> , <b>2016</b> , 220, 417-426	6.7	71
54	Enhanced electrochemical properties of ZnO-coated LiMnPO <sub>4</sub> cathode materials for lithium ion batteries. <i>Ionics</i> , <b>2016</b> , 22, 1551-1556	2.7	5
53	Effect of sintering temperature on structural properties of LiMnPO <sub>4</sub> cathode materials obtained by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 80, 514-522	2.3	8
52	A review of polymer electrolytes: fundamental, approaches and applications. <i>Ionics</i> , <b>2016</b> , 22, 1259-1279	2.7	307
51	Conducting polymer and its composite materials based electrochemical sensor for Nicotinamide Adenine Dinucleotide (NADH). <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 763-75	11.8	72
50	Amelioration of anticorrosion and hydrophobic properties of epoxy/PDMS composite coatings containing nano ZnO particles. <i>Progress in Organic Coatings</i> , <b>2016</b> , 92, 54-65	4.8	118
49	Structural and electrochemical characterizations of LiMn <sub>1-x</sub> Al <sub>0.5x</sub> Cu <sub>0.5x</sub> PO <sub>4</sub> (x=0.0, 0.1, 0.2) cathode materials for lithium ion batteries. <i>Materials Letters</i> , <b>2016</b> , 173, 131-135	3.3	3
48	Enhanced electrochemical performance of cobalt oxide nanocube intercalated reduced graphene oxide for supercapacitor application. <i>RSC Advances</i> , <b>2016</b> , 6, 34894-34902	3.7	78
47	Studies on anticorrosion properties of polyaniline-TiO <sub>2</sub> blended with acrylic-silicone coating using electrochemical impedance spectroscopy. <i>Pigment and Resin Technology</i> , <b>2016</b> , 45, 18-23	1	4
46	Facile sonochemical synthesis of nanostructured NiO with different particle sizes and its electrochemical properties for supercapacitor application. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 471, 136-144	9.3	115
45	Ionic liquid enhanced magnesium-based polymer electrolytes for electrical double-layer capacitors. <i>Ionics</i> , <b>2016</b> , 22, 919-925	2.7	27
44	An Approach to Solid-State Electrical Double Layer Capacitors Fabricated with Graphene Oxide-Doped, Ionic Liquid-Based Solid Copolymer Electrolytes. <i>Materials</i> , <b>2016</b> , 9,	3.5	60
43	Formulation and characterization of hybrid polymeric/ZnO nanocomposite coatings with remarkable anti-corrosion and hydrophobic characteristics <b>2016</b> , 13, 921-930		30
42	Amelioration of electrochemical and photovoltaic performances on P(VP-co-VAc) based gel polymer electrolyte by incorporating double salt for dye-sensitized solar cells. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	4
41	Effects of ionic liquid on the hydroxylpropylmethyl cellulose (HPMC) solid polymer electrolyte. <i>Ionics</i> , <b>2016</b> , 22, 2421-2430	2.7	20
40	The potential of incorporation of binary salts and ionic liquid in P(VP-co-VAc) gel polymer electrolyte in electrochemical and photovoltaic performances. <i>Scientific Reports</i> , <b>2016</b> , 6, 27630	4.9	18



39	Comparison studies on the anticorrosion and overall performance of solvent/water based epoxy-copper reinforced composite coatings. <i>Materials Express</i> , <b>2016</b> , 6, 403-413	1.3	9
38	Performance of polyester/epoxy binder coating system [Studies on coating resistance, adhesion and differential scanning calorimetry. <i>Pigment and Resin Technology</i> , <b>2016</b> , 45, 158-163	1	2
37	Synthesis, characterization, properties of N-succinyl chitosan-g-poly (methacrylic acid) hydrogels and in vitro release of theophylline. <i>Polymer</i> , <b>2016</b> , 92, 36-49	3.9	61
36	Ultrahigh capacitance of amorphous nickel phosphate for asymmetric supercapacitor applications. <i>RSC Advances</i> , <b>2016</b> , 6, 76298-76306	3.7	109
35	Efficiency improvement by incorporating 1-methyl-3-propylimidazolium iodide ionic liquid in gel polymer electrolytes for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2015</b> , 175, 169-175	6.7	40
34	Polymer electrolyte based dye-sensitized solar cell with rice starch and 1-methyl-3-propylimidazolium iodide ionic liquid. <i>Materials and Design</i> , <b>2015</b> , 85, 833-837	8.1	49
33	Exploration on the P(VP-co-VAc) copolymer based gel polymer electrolytes doped with quaternary ammonium iodide salt for DSSC applications: Electrochemical behaviors and photovoltaic performances. <i>Organic Electronics</i> , <b>2015</b> , 22, 132-139	3.5	21
32	Acrylic polyol/silicone coating corrosion protection analysis using electrochemical impedance spectroscopy. <i>Pigment and Resin Technology</i> , <b>2015</b> , 44, 41-47	1	2
31	Investigation on structural and electrochemical properties of binder free nanostructured nickel oxide thin film. <i>Materials Letters</i> , <b>2015</b> , 161, 694-697	3.3	39
30	N-succinyl chitosan preparation, characterization, properties and biomedical applications: a state of the art review. <i>Reviews in Chemical Engineering</i> , <b>2015</b> , 31,	5	36
29	Hydroxypropyl Cellulose Based Non-Volatile Gel Polymer Electrolytes for Dye-Sensitized Solar Cell Applications using 1-methyl-3-propylimidazolium iodide ionic liquid. <i>Scientific Reports</i> , <b>2015</b> , 5, 18056	4.9	59
28	Fabrication and characterization of natural rubber/Imperata cylindrica cellulose fiber biocomposites. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2015</b> , 10, 716-723	1.3	4
27	CONDUCTIVITY STUDIES OF BIOPOLYMER ELECTROLYTE BASED ON POTATO STARCH/CHITOSAN BLEND DOPED WITH LICF3SO3. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2015</b> , 75,	1.2	4
26	Effect of different iodide salts on ionic conductivity and structural and thermal behavior of rice-starch-based polymer electrolytes for dye-sensitized solar cell application. <i>Ionics</i> , <b>2015</b> , 21, 2383-2397	2.7	29
25	TRANSPORT MECHANISM STUDIES OF CHITOSAN ELECTROLYTE SYSTEMS. <i>Electrochimica Acta</i> , <b>2015</b> , 175, 68-73	6.7	32
24	Preparation and characterization of poly (ethyl methacrylate) based polymer electrolytes doped with 1-butyl-3-methylimidazolium trifluoromethanesulfonate. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2014</b> , 48, 263-273	4.6	19
23	Development and characterization of poly(1-vinylpyrrolidone-co-vinyl acetate) copolymer based polymer electrolytes. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 254215	2.2	28
22	Scratch resistance enhancement of 3-glycidyloxypropyltrimethoxysilane coating incorporated with silver nanoparticles. <i>Surface Engineering</i> , <b>2014</b> , 30, 177-182	2.6	3

21	Electrochemical impedance spectroscopy study of CuO and Cu coating systems. <i>Pigment and Resin Technology</i> , <b>2014</b> , 43, 371-378	1	2
20	Ionic conductivity, dielectric behavior, and HATRFTIR analysis onto poly(methyl methacrylate)/poly(vinyl chloride) binary solid polymer blend electrolytes. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 2380-2388	2.9	18
19	Studies on the Influence of Titania Content on the Properties of Poly(vinyl chloride) - Poly (acrylonitrile)-Based Polymer Electrolytes. <i>Polymer-Plastics Technology and Engineering</i> , <b>2013</b> , 52, 1474-1481		15
18	Evaluation of heat resistant properties of silicone-acrylic polyol coating by electrochemical methods. <i>Pigment and Resin Technology</i> , <b>2013</b> , 42, 117-122	1	6
17	Preparation and characteristic analyses of polymer coatings developed by different organic resins. <i>Pigment and Resin Technology</i> , <b>2013</b> , 42, 123-127	1	0
16	Studies on the Adhesion and Corrosion Performance of an Acrylic-Epoxy Hybrid Coating <b>2012</b> , 88, 282-293		10
15	Preparation and characterization of lithium ion conducting ionic liquid-based biodegradable corn starch polymer electrolytes. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 1869-1875	2.6	63
14	Evaluation and investigation on the effect of ionic liquid onto PMMA-PVC gel polymer blend electrolytes. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 2132-2138	3.9	101
13	Natural paint production from anthocyanin extracts of <i>Gerbera jamesonii</i> Bolus ex. Hook F. <i>Materials Research Innovations</i> , <b>2011</b> , 15, s21-s25	1.9	
12	Investigation of pH varied anthocyanin pigment profiles of <i>Agapanthus praecox</i> and its potential as natural colourant. <i>Materials Research Innovations</i> , <b>2011</b> , 15, s106-s109	1.9	1
11	Investigation of ion conducting behaviour of composite chitosan based polymer electrolytes. <i>Materials Research Innovations</i> , <b>2011</b> , 15, s184-s186	1.9	8
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9	Preparation and characterisation of phenyl silicone-acrylic polyol coatings. <i>Pigment and Resin Technology</i> , <b>2010</b> , 39, 283-287	1	13
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7	Studies on the properties of silicone resin blend materials for corrosion protection. <i>Anti-Corrosion Methods and Materials</i> , <b>2007</b> , 54, 99-102	0.8	8
6	Studies on the Corrosion Protection Property of Acrylic Resin Mixed with Curcumin and Dammar. <i>Materials Science Forum</i> , <b>2006</b> , 517, 278-280	0.4	5
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2	A concise review on corrosion inhibitors: types, mechanisms and electrochemical evaluation studies1		8
1	Review of Peak Shaving Features of the Power Box. <i>Energy Technology</i> ,2101055	3.5	