Ramesh Kasi

List of Publications by Citations

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	A review of polymer electrolytes: fundamental, approaches and applications. *Ionics*, **2016**, 22, 1259-1279	2.7	307
163	Facile fabrication of cobalt oxide nanograin-decorated reduced graphene oxide composite as ultrasensitive platform for dopamine detection. *Sensors and Actuators B: Chemical*, **2017**, 238, 1043-1051	8.5	126
162	Amelioration of anticorrosion and hydrophobic properties of epoxy/PDMS composite coatings containing nano ZnO particles. *Progress in Organic Coatings*, **2016**, 92, 54-65	4.8	118
161	Facile sonochemical synthesis of nanostructured NiO with different particle sizes and its electrochemical properties for supercapacitor application. *Journal of Colloid and Interface Science*, **2016**, 471, 136-144	9.3	115
160	Ultrahigh capacitance of amorphous nickel phosphate for asymmetric supercapacitor applications. *RSC Advances*, **2016**, 6, 76298-76306	3.7	109
159	Evaluation and investigation on the effect of ionic liquid onto PMMA-PVC gel polymer blend electrolytes. *Journal of Non-Crystalline Solids*, **2011**, 357, 2132-2138	3.9	101
158	Binary composite of polyaniline/copper cobaltite for high performance asymmetric supercapacitor application. *Electrochimica Acta*, **2017**, 227, 41-48	6.7	97
157	A promising binary nanocomposite of zinc cobaltite intercalated with polyaniline for supercapacitor and hydrazine sensor. *Journal of Alloys and Compounds*, **2017**, 716, 96-105	5.7	80
156	Enhanced electrochemical performance of cobalt oxide nanocube intercalated reduced graphene oxide for supercapacitor application. *RSC Advances*, **2016**, 6, 34894-34902	3.7	78
155	Conducting polymer and its composite materials based electrochemical sensor for Nicotinamide Adenine Dinucleotide (NADH). *Biosensors and Bioelectronics*, **2016**, 79, 763-75	11.8	72
154	A novel coating material that uses nano-sized SiO 2 particles to intensify hydrophobicity and corrosion protection properties. *Electrochimica Acta*, **2016**, 220, 417-426	6.7	71
153	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. *Polymers*, **2020**, 12,	4.5	70
152	Poly(methyl methacrylate- co -butyl acrylate- co -acrylic acid): Physico-chemical characterization and targeted dye sensitized solar cell application. *Materials and Design*, **2016**, 108, 560-569	8.1	69
151	Enhancing rate capability of amorphous nickel phosphate supercapattery electrode via composition with crystalline silver phosphate. *Electrochimica Acta*, **2018**, 273, 216-228	6.7	68
150	Studies on SiO 2 -hybrid polymeric nanocomposite coatings with superior corrosion protection and hydrophobicity. *Surface and Coatings Technology*, **2017**, 324, 536-545	4.4	66
149	High performance supercapattery incorporating ternary nanocomposite of multiwalled carbon nanotubes decorated with Co3O4 nanograins and silver nanoparticles as electrode material. *Electrochimica Acta*, **2018**, 278, 72-82	6.7	65
148	Preparation and characterization of lithium ion conducting ionic liquid-based biodegradable corn starch polymer electrolytes. *Journal of Solid State Electrochemistry*, **2012**, 16, 1869-1875	2.6	63

147	Synthesis, characterization, properties of N-succinyl chitosan-g-poly (methacrylic acid) hydrogels and in vitro release of theophylline. *Polymer*, **2016**, 92, 36-49	3.9	61
146	An Approach to Solid-State Electrical Double Layer Capacitors Fabricated with Graphene Oxide-Doped, Ionic Liquid-Based Solid Copolymer Electrolytes. *Materials*, **2016**, 9,	3.5	60
145	Hydroxypropyl Cellulose Based Non-Volatile Gel Polymer Electrolytes for Dye-Sensitized Solar Cell Applications using 1-methyl-3-propylimidazolium iodide ionic liquid. *Scientific Reports*, **2015**, 5, 18056	4.9	59
144	Polymer electrolyte based dye-sensitized solar cell with rice starch and 1-methyl-3-propylimidazolium iodide ionic liquid. *Materials and Design*, **2015**, 85, 833-837	8.1	49
143	pH responsive N-succinyl chitosan/Poly (acrylamide-co-acrylic acid) hydrogels and in vitro release of 5-fluorouracil. *PLoS ONE*, **2017**, 12, e0179250	3.7	44
142	Enhancing the performance of green solid-state electric double-layer capacitor incorporated with fumed silica nanoparticles. *Journal of Physics and Chemistry of Solids*, **2018**, 117, 194-203	3.9	44
141	An enhanced performance of hybrid supercapacitor based on polyaniline-manganese phosphate binary composite. *Journal of Solid State Electrochemistry*, **2017**, 21, 3205-3213	2.6	43
140	Novel poly(vinylidene fluoride-co-hexafluoro propylene)/polyethylene oxide based gel polymer electrolyte containing fumed silica (SiO 2) nanofiller for high performance dye-sensitized solar cell. *Electrochimica Acta*, **2016**, 220, 573-580	6.7	42
139	Synthesis and characterization of karaya gum-g- poly (acrylic acid) hydrogels and in vitro release of hydrophobic quercetin. *Polymer*, **2018**, 147, 108-120	3.9	42
138	Efficiency improvement by incorporating 1-methyl-3-propylimidazolium iodide ionic liquid in gel polymer electrolytes for dye-sensitized solar cells. *Electrochimica Acta*, **2015**, 175, 169-175	6.7	40
137	Investigation on structural and electrochemical properties of binder free nanostructured nickel oxide thin film. *Materials Letters*, **2015**, 161, 694-697	3.3	39
136	Anticorrosion properties of epoxy-nanochitosan nanocomposite coating. *Progress in Organic Coatings*, **2017**, 113, 74-81	4.8	37
135	N-succinyl chitosan preparation, characterization, properties and biomedical applications: a state of the art review. *Reviews in Chemical Engineering*, **2015**, 31,	5	36
134	Influence of acrylic acid on ethylene carbonate/dimethyl carbonate based liquid electrolyte and its supercapacitor application. *International Journal of Hydrogen Energy*, **2017**, 42, 30683-30690	6.7	36
133	The conductivity and dielectric studies of solid polymer electrolytes based on poly (acrylamide-co-acrylic acid) doped with sodium iodide. *Ionics*, **2018**, 24, 1947-1953	2.7	34
132	Sonochemical synthesis of nanostructured nickel hydroxide as an electrode material for improved electrochemical energy storage application. *Progress in Natural Science: Materials International*, **2017**, 27, 416-423	3.6	33
131	Ternary nanocomposite of cobalt oxide nanograins and silver nanoparticles grown on reduced graphene oxide conducting platform for high-performance supercapattery electrode material. *Journal of Alloys and Compounds*, **2020**, 821, 153452	5.7	33
130	Solid polymer electrolytes based on poly(vinyl alcohol) incorporated with sodium salt and ionic liquid for electrical double layer capacitor. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2019**, 251, 114468	3.1	33

129	TRANSPORT MECHANISM STUDIES OF CHITOSAN ELECTROLYTE SYSTEMS. *Electrochimica Acta*, **2015**, 175, 68-73	6.7	32
128	Binary nanocomposite based on Co3O4 nanocubes and multiwalled carbon nanotubes as an ultrasensitive platform for amperometric determination of dopamine. *Mikrochimica Acta*, **2017**, 184, 2739-2748	5.8	30
127	Physico-chemical characterization of pH-sensitive N -Succinyl chitosan- g -poly (acrylamide- co -acrylic acid) hydrogels and in vitro drug release studies. *Polymer Degradation and Stability*, **2017**, 139, 38-54	4.7	30
126	Formulation and characterization of hybrid polymeric/ZnO nanocomposite coatings with remarkable anti-corrosion and hydrophobic characteristics **2016**, 13, 921-930		30
125	Effect of different imidazolium-based ionic liquids on gel polymer electrolytes for dye-sensitized solar cells. *Ionics*, **2019**, 25, 2427-2435	2.7	29
124	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. *Ionics*, **2015**, 21, 2383-2391	2.7	29
123	Development and characterization of poly(1-vinylpyrrolidone-co-vinyl acetate) copolymer based polymer electrolytes. *Scientific World Journal, The*, **2014**, 2014, 254215	2.2	28
122	Ionic liquid enhanced magnesium-based polymer electrolytes for electrical double-layer capacitors. *Ionics*, **2016**, 22, 919-925	2.7	27
121	Rheological behavior of biodegradable N-succinyl chitosan-g-poly (acrylic acid) hydrogels and their applications as drug carrier and in vitro theophylline release. *International Journal of Biological Macromolecules*, **2018**, 117, 454-466	7.9	27
120	Performance enhancement of poly (vinylidene fluoride-co-hexafluoro propylene)/polyethylene oxide based nanocomposite polymer electrolyte with ZnO nanofiller for dye-sensitized solar cell. *Organic Electronics*, **2017**, 49, 292-299	3.5	25
119	Synthesis and characterization of hybrid poly (N, N-dimethylacrylamide) composite hydrogel electrolytes and their performance in supercapacitor. *Electrochimica Acta*, **2020**, 332, 135438	6.7	24
118	Transparent self-cleaning coating of modified polydimethylsiloxane (PDMS) for real outdoor application. *Progress in Organic Coatings*, **2019**, 131, 232-239	4.8	24
117	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. *Electrochimica Acta*, **2017**, 240, 361-370	6.7	23
116	Facile synthesis of ternary nanocomposite of polypyrrole incorporated with cobalt oxide and silver nanoparticles for high performance supercapattery. *Electrochimica Acta*, **2020**, 348, 136313	6.7	23
115	Conductivity, dielectric studies and structural properties of P(VA-co-PE) and its application in dye sensitized solar cell. *Organic Electronics*, **2018**, 56, 116-124	3.5	23
114	Enhancing the Efficiency of a Dye-Sensitized Solar Cell Based on a Metal Oxide Nanocomposite Gel Polymer Electrolyte. *ACS Applied Materials & Interfaces*, **2019**, 11, 30185-30196	9.5	23
113	Development of asymmetric device using Co3(PO4)2 as a positive electrode for energy storage application. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 7435-7446	2.1	22
112	Facile sonochemical synthesis of 2D porous Co3O4 nanoflake for supercapattery. *Journal of Alloys and Compounds*, **2020**, 819, 153019	5.7	22

111	Facile synthesize of transparent hydrophobic nano- CaCO3 based coatings for self-cleaning and anti-fogging. *Materials Chemistry and Physics*, **2020**, 239, 121913	4.4	22
110	A review on plant extracts as natural additives in coating applications. *Progress in Organic Coatings*, **2021**, 151, 106091	4.8	22
109	Degradation of ultra-high molecular weight poly(methyl methacrylate-co-butyl acrylate-co-acrylic acid) under ultra violet irradiation. *RSC Advances*, **2017**, 7, 112-120	3.7	21
108	Comparison of the performance of copper oxide and yttrium oxide nanoparticle based hydroxylethyl cellulose electrolytes for supercapacitors. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	21
107	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. *Organic Electronics*, **2015**, 22, 132-139	3.5	21
106	Thermogravimetric Analysis of Polymers **2018**, 1-29		21
105	Effects of ionic liquid on the hydroxylpropylmethyl cellulose (HPMC) solid polymer electrolyte. *Ionics*, **2016**, 22, 2421-2430	2.7	20
104	Presence of NaI in PEO/PVdF-HFP blend based gel polymer electrolytes for fabrication of dye-sensitized solar cells. *Materials Science in Semiconductor Processing*, **2017**, 66, 144-148	4.3	19
103	Quasi-solid-state agar-based polymer electrolytes for dye-sensitized solar cell applications using imidazolium-based ionic liquid. *Ionics*, **2017**, 23, 1585-1590	2.7	19
102	Preparation and characterization of poly (ethyl methacrylate) based polymer electrolytes doped with 1-butyl-3-methylimidazolium trifluoromethanesulfonate. *Measurement: Journal of the International Measurement Confederation*, **2014**, 48, 263-273	4.6	19
101	Efficiency enhancement of dye-sensitized solar cell based gel polymer electrolytes using Poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate)/tetrapropylammonium iodide. *Materials Science in Semiconductor Processing*, **2019**, 91, 414-421	4.3	19
100	Ionic conductivity, dielectric behavior, and HATR–FTIR analysis onto poly(methyl methacrylate)–poly(vinyl chloride) binary solid polymer blend electrolytes. *Journal of Applied Polymer Science*, **2013**, 127, 2380-2388	2.9	18
99	Synthesis and characterization of self-healable poly (acrylamide) hydrogel electrolytes and their application in fabrication of aqueous supercapacitors. *Polymer*, **2020**, 210, 123020	3.9	18
98	The potential of incorporation of binary salts and ionic liquid in P(VP-co-VAc) gel polymer electrolyte in electrochemical and photovoltaic performances. *Scientific Reports*, **2016**, 6, 27630	4.9	18
97	Exploration on polypropylene carbonate polymer for gel polymer electrolyte preparation and dye-sensitized solar cell application. *Journal of Applied Polymer Science*, **2017**, 134, 45091	2.9	17
96	Novel development towards preparation of highly efficient ionic liquid based co-polymer electrolytes and its application in dye-sensitized solar cells. *Organic Electronics*, **2017**, 41, 33-41	3.5	17
95	Effects of TiO2 Nanoparticles on the Overall Performance and Corrosion Protection Ability of Neat Epoxy and PDMS Modified Epoxy Coating Systems. *Frontiers in Materials*, **2020**, 6,	4	17
94	Poly (1-vinylpyrrolidone-co-vinyl acetate) (PVP-co-VAc) based gel polymer electrolytes for electric double layer capacitors (EDLC). *Journal of Polymer Research*, **2020**, 27, 1	2.7	17

93	Minimum fluidization velocity and gas holdup in gas–liquid–solid fluidized bed reactors. *Journal of Chemical Technology and Biotechnology*, **2002**, 77, 129-136	3.5	17
92	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. *Ionics*, **2019**, 25, 763-771	2.7	16
91	Electrical, dielectric and electrochemical characterization of novel poly(acrylic acid)-based polymer electrolytes complexed with lithium tetrafluoroborate. *Chemical Physics Letters*, **2018**, 692, 19-27	2.5	16
90	Na-doped LiMnPO4 as an electrode material for enhanced lithium ion batteries. *Bulletin of Materials Science*, **2017**, 40, 171-175	1.7	15
89	Studies on the Influence of Titania Content on the Properties of Poly(vinyl chloride) - Poly (acrylonitrile)-Based Polymer Electrolytes. *Polymer-Plastics Technology and Engineering*, **2013**, 52, 1474-1481		15
88	Influence of different concentrations of 4-tert-butyl-pyridine in a gel polymer electrolyte towards improved performance of Dye-Sensitized Solar Cells (DSSC). *Solar Energy*, **2021**, 216, 111-119	6.8	15
87	Three-dimensional hierarchical nanostructured porous TiO2 aerogel/Cobalt based metal-organic framework (MOF) composite as an electrode material for supercapattery. *Journal of Energy Storage* , **2020**, 32, 101750	7.8	14
86	New perspectives on Graphene/Graphene oxide based polymer nanocomposites for corrosion applications: The relevance of the Graphene/Polymer barrier coatings. *Progress in Organic Coatings*, **2021**, 154, 106215	4.8	14
85	Ionic conductivity improvement in poly (propylene) carbonate-based gel polymer electrolytes using 1-butyl-3-methylimidazolium iodide (BmimI) ionic liquid for dye-sensitized solar cell application. *Ionics*, **2017**, 23, 1601-1605	2.7	13
84	Polyacrylonitrile–poly(1-vinyl pyrrolidone-co-vinyl acetate) blend based gel polymer electrolytes incorporated with sodium iodide salt for dye-sensitized solar cell applications. *Journal of Applied Polymer Science*, **2019**, 136, 47810	2.9	13
83	Investigation on gel polymer electrolyte-based dye-sensitized solar cells using carbon nanotube. *Ionics*, **2019**, 25, 319-325	2.7	13
82	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. *New Journal of Chemistry*, **2019**, 43, 13183-13195	3.6	13
81	Preparation and characterisation of phenyl silicone-acrylic polyol coatings. *Pigment and Resin Technology*, **2010**, 39, 283-287	1	13
80	Quasi solid-state dye-sensitized solar cell with P(MMA-co-MAA)-based polymer electrolytes. *Journal of Solid State Electrochemistry*, **2019**, 23, 1179-1189	2.6	12
79	Performance studies of ZnO and multi walled carbon nanotubes-based counter electrodes with gel polymer electrolyte for dye-sensitized solar cell. *Materials Science in Semiconductor Processing*, **2018**, 83, 144-149	4.3	12
78	Effect of Salt Concentration on Poly (Acrylic Acid) Hydrogel Electrolytes and their Applications in Supercapacitor. *Journal of the Electrochemical Society*, **2020**, 167, 100524	3.9	11
77	Improved ionic conductivity and efficiency of dye-sensitized solar cells with the incorporation of 1-methyl-3-propylimidazolium iodide. *Ionics*, **2020**, 26, 3173-3183	2.7	11
76	Anticorrosion Properties of Epoxy/Nanocellulose Nanocomposite Coating. *BioResources*, **2017**, 12,	1.3	11

75	Optimization of poly(vinyl alcohol-co-ethylene)-based gel polymer electrolyte containing nickel phosphate nanoparticles for dye-sensitized solar cell application. *Solar Energy*, **2019**, 178, 231-240	6.8	11
74	Efficiency of supercapacitor using EC/DMC-based liquid electrolytes with methyl methacrylate (MMA) monomer. *Ionics*, **2016**, 22, 107-114	2.7	10
73	Studies on the Adhesion and Corrosion Performance of an Acrylic-Epoxy Hybrid Coating **2012**, 88, 282-293		10
72	Influences of sintering temperatures and crystallite sizes on electrochemical properties of LiNiPO4 as cathode materials via sol□gel route for lithium ion batteries. *Journal of Sol-Gel Science and Technology*, **2017**, 83, 12-18	2.3	9
71	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. *Journal of Physics and Chemistry of Solids*, **2019**, 129, 252-260	3.9	9
70	Comparison studies on the anticorrosion and overall performance of solvent/water based epoxy-copper reinforced composite coatings. *Materials Express*, **2016**, 6, 403-413	1.3	9
69	Iota-carrageenan-based polymer electrolyte: impact on ionic conductivity with incorporation of AmNTFSI ionic liquid for supercapacitor. *Ionics*, **2019**, 25, 3321-3329	2.7	8
68	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. *Electrochimica Acta*, **2016**, 216, 239-245	6.7	8
67	Effect of ionic liquid 1-butyl-3-methylimidazolium bromide on ionic conductivity of poly(ethyl methacrylate) based polymer electrolytes. *Materials Express*, **2016**, 6, 252-258	1.3	8
66	Effect of sintering temperature on structural properties of LiMnPO4 cathode materials obtained by sol□gel method. *Journal of Sol-Gel Science and Technology*, **2016**, 80, 514-522	2.3	8
65	Investigation of ion conducting behaviour of composite chitosan based polymer electrolytes. *Materials Research Innovations*, **2011**, 15, s184-s186	1.9	8
64	Structural and corrosion protection analyses of coatings containing silicone-polyester resins. *Pigment and Resin Technology*, **2008**, 37, 37-41	1	8
63	Studies on the properties of silicone resin blend materials for corrosion protection. *Anti-Corrosion Methods and Materials*, **2007**, 54, 99-102	0.8	8
62	A concise review on corrosion inhibitors: types, mechanisms and electrochemical evaluation studies1		8
61	SYNTHESIS AND CHARACTERIZATION OF pH-SENSITIVE N-SUCCINYL CHITOSAN HYDROGEL AND ITS PROPERTIES FOR BIOMEDICAL APPLICATIONS. *Journal of the Chilean Chemical Society*, **2019**, 64, 4571-4574	2.5	8
60	Development of fully organic coating system modified with epoxidized soybean oil with superior corrosion protection performance. *Progress in Organic Coatings*, **2020**, 140, 105523	4.8	8
59	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. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 2423-2429	1.3	8
58	CoCl2-doped polyaniline composites as electrode materials with enhanced electrochemical performance for supercapacitor application. *Polymer Bulletin*, **2018**, 75, 1563-1578	2.4	7

57	Solid terpolymer electrolyte based on poly(vinyl butyral-co-vinyl alcohol-co-vinyl acetate) incorporated with lithium salt and tetraglyme for EDLCs. *Journal of Applied Polymer Science*, **2018**, 135, 45902	2.9	7
56	Enhanced efficiency in dye-sensitized solar cell based on zinc oxide-modified poly(ethylene oxide) gel electrolyte. *Ionics*, **2018**, 24, 1221-1226	2.7	7
55	Flexible and self-healable poly (N, N-dimethylacrylamide) hydrogels for supercapacitor prototype. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 617, 126377	5.1	7
54	Enhancing efficiency of dye sensitized solar cells based on poly(propylene) carbonate polymer gel electrolytes incorporating double salts. *Ionics*, **2020**, 26, 493-502	2.7	7
53	Development of active barrier effect of hybrid chitosan/silica composite epoxy-based coating on mild steel surface. *Surfaces and Interfaces*, **2021**, 25, 101250	4.1	7
52	Influence of tetraglyme towards magnesium salt dissociation in solid polymer electrolyte for electric double layer capacitor. *Journal of Polymer Research*, **2020**, 27, 1	2.7	6
51	Preparation of Hybrid Chitosan/Silica Composites Via Ionotropic Gelation and Its Electrochemical Impedance Studies. *Progress in Organic Coatings*, **2020**, 145, 105679	4.8	6
50	Corrosion protection performance of nanocomposite coatings under static, UV, and dynamic conditions **2018**, 15, 1035-1047		6
49	Evaluation of heat resistant properties of silicone-acrylic polyol coating by electrochemical methods. *Pigment and Resin Technology*, **2013**, 42, 117-122	1	6
48	Cobalt Oxide Nanograins and Silver Nanoparticles Decorated Fibrous Polyaniline Nanocomposite as Battery-Type Electrode for High Performance Supercapattery. *Polymers*, **2020**, 12,	4.5	6
47	Conducting polymer/graphene hydrogel electrodes based aqueous smart Supercapacitors: A review and future prospects. *Journal of Electroanalytical Chemistry*, **2021**, 898, 115626	4.1	6
46	Enhanced electrochemical properties of ZnO-coated LiMnPO4 cathode materials for lithium ion batteries. *Ionics*, **2016**, 22, 1551-1556	2.7	5
45	Studies on the Corrosion Protection Property of Acrylic Resin Mixed with Curcumin and Dammar. *Materials Science Forum*, **2006**, 517, 278-280	0.4	5
44	Effect of Charge Density on the Mechanical and Electrochemical Properties of Poly (acrylic acid) Hydrogel Electrolytes Based Flexible Supercapacitors. *Materials Today Communications*, **2020**, 25, 101558	3.5	5
43	Tailorable solid-state supercapacitors based on poly (N-hydroxymethylacrylamide) hydrogel electrolytes with high ionic conductivity. *Journal of Energy Storage*, **2021**, 35, 102320	7.8	5
42	Growth of nanostructured cobalt sulfide-based nanocomposite as faradaic binder-free electrode for supercapattery. *Journal of Energy Storage*, **2021**, 39, 102599	7.8	5
41	Coral-like structured nickel sulfide-cobalt sulfide binder-free electrode for supercapattery. *Ionics*, **2020**, 26, 3621-3630	2.7	4
40	Studies on anticorrosion properties of polyaniline-TiO2 blended with acrylic-silicone coating using electrochemical impedance spectroscopy. *Pigment and Resin Technology*, **2016**, 45, 18-23	1	4

39	Fabrication and characterization of natural rubber/Imperata cylindrica cellulose fiber biocomposites. *Asia-Pacific Journal of Chemical Engineering*, **2015**, 10, 716-723	1.3	4
38	CONDUCTIVITY STUDIES OF BIOPOLYMER ELECTROLYTE BASED ON POTATO STARCH/CHITOSAN BLEND DOPED WITH LICF3SO3. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 75,	1.2	4
37	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. *Polymer*, **2021**, 223, 123713	3.9	4
36	Consolidation of ion promoters into quasi solid-state (QSS) polymer electrolytes for dye-sensitized solar cells (DSSCs). *Solid State Ionics*, **2021**, 363, 115592	3.3	4
35	Amelioration of electrochemical and photovoltaic performances on P(VP-co-VAc) based gel polymer electrolyte by incorporating double salt for dye-sensitized solar cells. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	4
34	Structural and electrochemical characterizations of LiMn1−xAl0.5xCu0.5xPO4 (x=0.0, 0.1, 0.2) cathode materials for lithium ion batteries. *Materials Letters*, **2016**, 173, 131-135	3.3	3
33	Scratch resistance enhancement of 3-glycidyloxypropyltrimethoxysilane coating incorporated with silver nanoparticles. *Surface Engineering*, **2014**, 30, 177-182	2.6	3
32	Effect of different solvents extraction on recovery of pigments in Xylocarpus granatum, endangered medicinal plant. *Materials Research Innovations*, **2011**, 15, s141-s143	1.9	3
31	Electrochemical studies of 1,2,3-Benzotriazole inhibitor for acrylic-based coating in different acidic media systems. *Journal of Polymer Research*, **2020**, 27, 1	2.7	3
30	Electrical property enhancement of poly (vinyl alcohol-co-ethylene)-based gel polymer electrolyte incorporated with triglyme for electric double-layer capacitors (EDLCs). *Ionics*, **2021**, 27, 361-373	2.7	3
29	Development of anti-corrosion coatings using the disposable waste material. *Pigment and Resin Technology*, **2018**, 47, 478-484	1	3
28	Acrylic polyol/silicone coating corrosion protection analysis using electrochemical impedance spectroscopy. *Pigment and Resin Technology*, **2015**, 44, 41-47	1	2
27	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. *Polymer-Plastics Technology and Engineering*, **2018**, 57, 98-107		2
26	The Effect of Incorporation of Multi-Walled Carbon Nanotube into Poly(Ethylene Oxide) Gel Electrolyte on the Photovoltaic Performance of Dye-Sensitized Solar Cell. *Polymer-Plastics Technology and Materials*, **2019**, 58, 97-104	1.5	2
25	Electrochemical impedance spectroscopy study of CuO and Cu coating systems. *Pigment and Resin Technology*, **2014**, 43, 371-378	1	2
24	Development of a Coating System for High Temperature Corrosion Protection. *Materials Science Forum*, **2006**, 517, 49-52	0.4	2
23	Self-healable poly (N, N-dimethylacrylamide)/poly (3,4-ethylenedioxythiophene) polystyrene sulfonate composite hydrogel electrolytes for aqueous supercapacitors. *Journal of Energy Storage*, **2022**, 45, 103760	7.8	2
22	Effect of physical interaction between polyaniline and metal phosphate nanocomposite as positive electrode for supercapattery. *Journal of Energy Storage*, **2020**, 32, 101850	7.8	2

21	Performance of polyester/epoxy binder coating system studies on coating resistance, adhesion and differential scanning calorimetry. *Pigment and Resin Technology*, **2016**, 45, 158-163	1	2
20	Polymers-based nanocomposite coatings **2019**, 9-39		2
19	Binary Nanocomposite Of Co3O4 Nanocubes Supported On Carbon Matrix For Supercapattery **2018**,		2
18	Fabrication of aqueous solid-state symmetric supercapacitors based on self-healable poly (acrylamide)/PEDOT:PSS composite hydrogel electrolytes. *Materials Chemistry and Physics*, **2021**, 273, 125125	4.4	2
17	A review on the recent advances in binder-free electrodes for electrochemical energy storage application. *Journal of Energy Storage*, **2022**, 50, 104283	7.8	2
16	Investigation of pH varied anthocyanin pigment profiles of Agapanthus praecox and its potential as natural colourant. *Materials Research Innovations*, **2011**, 15, s106-s109	1.9	1
15	A comprehensive review: Super hydrophobic graphene nanocomposite coatings for underwater and wet applications to enhance corrosion resistance. *FlatChem*, **2022**, 31, 100326	5.1	1
14	Sonochemically synthesized cobalt oxide nanoparticles as an additive for natural polymer iodide electrolyte based dye-sensitized solar cells. *Sustainable Energy Technologies and Assessments*, **2022**, 49, 101746	4.7	1
13	Review on the Revolution of Polymer Electrolytes for Dye-Sensitized Solar Cells. *Energy & Fuels* , **2021**, 35, 19320-19350	4.1	1
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11	Highly efficient dye-sensitized solar cells: A comparative study with two different system of solvent-free binary room-temperature ionic liquid-based electrolytes. *Journal of Applied Polymer Science*, **2021**, 138, 51312	2.9	1
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