

Ramesh T. Subramaniam

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.

281
papers

9,221
citations

51
h-index

80
g-index

288
ext. papers

11,373
ext. citations

4
avg, IF

6.91
L-index

#	Paper	IF	Citations
281	Self-healable poly (N, N-dimethylacrylamide)/poly (3,4-ethylenedioxythiophene) polystyrene sulfonate composite hydrogel electrolytes for aqueous supercapacitors. <i>Journal of Energy Storage</i> , 2022 , 45, 103760	7.8	2
280	Advances in materials and fabrication of separators in supercapacitors. <i>Materials Advances</i> , 2022 , 3, 1472-1496	3.4	4
279	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> , 2022 , 49, 101746	4.7	1
278	Hybrid organic polymer electrolytes for dye-sensitized solar cells 2022 , 181-212		0
277	A review on the recent advances in binder-free electrodes for electrochemical energy storage application. <i>Journal of Energy Storage</i> , 2022 , 50, 104283	7.8	2
276	Review on the Revolution of Polymer Electrolytes for Dye-Sensitized Solar Cells. <i>Energy & Fuels</i> , 2021 , 35, 19320-19350	4.1	1
275	Cobalt oxide decorated zirconium oxide immobilized multiwalled carbon nanotubes as scaffolds for supercapacitors and the CO ₂ reduction reaction. <i>Journal of Energy Storage</i> , 2021 , 44, 103312	7.8	2
274	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> , 2021 , 27, 361-373	2.7	3
273	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> , 2021 , 216, 111-119	6.8	15
272	Tailorable solid-state supercapacitors based on poly (N-hydroxymethylacrylamide) hydrogel electrolytes with high ionic conductivity. <i>Journal of Energy Storage</i> , 2021 , 35, 102320	7.8	5
271	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> , 2021 , 223, 123713	3.9	4
270	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> , 2021 , 154, 106215	4.8	14
269	Consolidation of ion promoters into quasi solid-state (QSS) polymer electrolytes for dye-sensitized solar cells (DSSCs). <i>Solid State Ionics</i> , 2021 , 363, 115592	3.3	4
268	Flexible and self-healable poly (N, N-dimethylacrylamide) hydrogels for supercapacitor prototype. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126377	5.1	7
267	Sintering behaviour of fluorapatiteSilicate composites produced from natural fluorapatite and quartz. <i>Ceramics International</i> , 2021 , 47, 16483-16490	5.1	2
266	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> , 2021 , 138, 51312	2.9	1
265	Composite of medium-chain-length polyhydroxyalkanoates-co-methyl acrylate and carbon nanotubes as innovative electrodes modifier in microbial fuel cell. <i>Biotechnology and Applied Biochemistry</i> , 2021 , 68, 307-318	2.8	3

264	Innovative application of biopolymer composite as proton exchange membrane in microbial fuel cell utilizing real wastewater for electricity generation. <i>Journal of Cleaner Production</i> , 2021 , 278, 123449	10.3	11
263	Effect of pH on the properties of eggshell-derived hydroxyapatite bioceramic synthesized by wet chemical method assisted by microwave irradiation. <i>Ceramics International</i> , 2021 , 47, 8879-8887	5.1	9
262	High-Rate and Long-Life Cycle of Nano-LiMn2O4 Under High Cut-Off Potential. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021 , 18,	2	1
261	Development of poly(vinyl alcohol) (PVA)-based sodium ion conductors for electric double-layer capacitors application. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 263, 114804	3.1	7
260	A review on plant extracts as natural additives in coating applications. <i>Progress in Organic Coatings</i> , 2021 , 151, 106091	4.8	22
259	Growth of nanostructured cobalt sulfide-based nanocomposite as faradaic binder-free electrode for supercapattery. <i>Journal of Energy Storage</i> , 2021 , 39, 102599	7.8	5
258	Effect of electrode substrate and poly(acrylamide) hydrogel electrolytes on the electrochemical performance of supercapacitors. <i>Ionics</i> , 2021 , 27, 4507-4519	2.7	0
257	PMMA-LiTFSI based gel polymer electrolyte for lithium-oxygen cell application. <i>Optical Materials</i> , 2021 , 120, 111418	3.3	3
256	Conducting polymer/graphene hydrogel electrodes based aqueous smart Supercapacitors: A review and future prospects. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 898, 115626	4.1	6
255	Fabrication of aqueous solid-state symmetric supercapacitors based on self-healable poly (acrylamide)/PEDOT:PSS composite hydrogel electrolytes. <i>Materials Chemistry and Physics</i> , 2021 , 273, 125125	4.4	2
254	Nonenzymatic electrochemical sensor based on metal oxide, MO (M= Cu, Ni, Zn, and Fe) nanomaterials for neurotransmitters: An abridged review. <i>Sensors International</i> , 2020 , 1, 100047	6.1	11
253	Effect of Salt Concentration on Poly (Acrylic Acid) Hydrogel Electrolytes and their Applications in Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 100524	3.9	11
252	Effect of CeO2 nano powder as additive in WME-TPO blend to control toxic emissions from a light-duty diesel engine –An experimental study. <i>Fuel</i> , 2020 , 278, 118177	7.1	33
251	Printed-Circuit-Board-Based Two-Electrode System for Electronic Characterization of Proteins. <i>ACS Omega</i> , 2020 , 5, 7802-7808	3.9	2
250	Optimal reactive power dispatch for real power loss minimization and voltage stability enhancement using Artificial Bee Colony Algorithm. <i>Microprocessors and Microsystems</i> , 2020 , 76, 103085	2.4	28
249	Effects of TiO2 Nanoparticles on the Overall Performance and Corrosion Protection Ability of Neat Epoxy and PDMS Modified Epoxy Coating Systems. <i>Frontiers in Materials</i> , 2020 , 6,	4	17
248	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> , 2020 , 27, 1	2.7	17
247	Improved ionic conductivity and efficiency of dye-sensitized solar cells with the incorporation of 1-methyl-3-propylimidazolium iodide. <i>Ionics</i> , 2020 , 26, 3173-3183	2.7	11

246	Coral-like structured nickel sulfide-cobalt sulfide binder-free electrode for supercapattery. <i>Ionics</i> , 2020 , 26, 3621-3630	2.7	4
245	Influence of tetraglyme towards magnesium salt dissociation in solid polymer electrolyte for electric double layer capacitor. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	6
244	Preparation of Hybrid Chitosan/Silica Composites Via Ionotropic Gelation and Its Electrochemical Impedance Studies. <i>Progress in Organic Coatings</i> , 2020 , 145, 105679	4.8	6
243	Facile synthesis of ternary nanocomposite of polypyrrole incorporated with cobalt oxide and silver nanoparticles for high performance supercapattery. <i>Electrochimica Acta</i> , 2020 , 348, 136313	6.7	23
242	Electrochemical studies of 1,2,3-Benzotriazole inhibitor for acrylic-based coating in different acidic media systems. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	3
241	Recognition and classification of paddy leaf diseases using Optimized Deep Neural network with Jaya algorithm. <i>Information Processing in Agriculture</i> , 2020 , 7, 249-260	4.2	50
240	Development of fully organic coating system modified with epoxidized soybean oil with superior corrosion protection performance. <i>Progress in Organic Coatings</i> , 2020 , 140, 105523	4.8	8
239	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> , 2020 , 821, 153452	5.7	33
238	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> , 2020 , 20, 2423-2429	1.3	8
237	Facile sonochemical synthesis of 2D porous Co ₃ O ₄ nanoflake for supercapattery. <i>Journal of Alloys and Compounds</i> , 2020 , 819, 153019	5.7	22
236	Synthesis and characterization of hybrid poly (N, N-dimethylacrylamide) composite hydrogel electrolytes and their performance in supercapacitor. <i>Electrochimica Acta</i> , 2020 , 332, 135438	6.7	24
235	Effect of physical interaction between polyaniline and metal phosphate nanocomposite as positive electrode for supercapattery. <i>Journal of Energy Storage</i> , 2020 , 32, 101850	7.8	2
234	Synthesis and characterization of self-healable poly (acrylamide) hydrogel electrolytes and their application in fabrication of aqueous supercapacitors. <i>Polymer</i> , 2020 , 210, 123020	3.9	18
233	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. <i>Polymers</i> , 2020 , 12,	4.5	70
232	Cobalt Oxide Nanograins and Silver Nanoparticles Decorated Fibrous Polyaniline Nanocomposite as Battery-Type Electrode for High Performance Supercapattery. <i>Polymers</i> , 2020 , 12,	4.5	6
231	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> , 2020 , 49, 33-40	1	1
230	Synthesis of nano-TiO ₂ coating systems for solar cell. <i>Pigment and Resin Technology</i> , 2020 , 49, 26-32	1	0
229	Effects of sintering additives on the densification and properties of alumina-toughened zirconia ceramic composites. <i>Ceramics International</i> , 2020 , 46, 27539-27549	5.1	8

228	Three-dimensional hierarchical nanostructured porous TiO ₂ aerogel/Cobalt based metal-organic framework (MOF) composite as an electrode material for supercapattery. <i>Journal of Energy Storage</i> , 2020 , 32, 101750	7.8	14
227	Effect of Charge Density on the Mechanical and Electrochemical Properties of Poly (acrylic acid) Hydrogel Electrolytes Based Flexible Supercapacitors. <i>Materials Today Communications</i> , 2020 , 25, 101558	3.5	5
226	Sintering behaviour of carbonated hydroxyapatite prepared at different carbonate and phosphate ratios. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2020 , 59, 73-80	1.9	12
225	Facile synthesize of transparent hydrophobic nano- CaCO ₃ based coatings for self-cleaning and anti-fogging. <i>Materials Chemistry and Physics</i> , 2020 , 239, 121913	4.4	22
224	Enhancing efficiency of dye sensitized solar cells based on poly(propylene) carbonate polymer gel electrolytes incorporating double salts. <i>Ionics</i> , 2020 , 26, 493-502	2.7	7
223	Electrolyte selection for supercapacitive devices: a critical review. <i>Nanoscale Advances</i> , 2019 , 1, 3807-3835	35	337
222	Iota-carrageenan-based polymer electrolyte: impact on ionic conductivity with incorporation of AmNTFSI ionic liquid for supercapacitor. <i>Ionics</i> , 2019 , 25, 3321-3329	2.7	8
221	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> , 2019 , 129, 252-260	3.9	9
220	Micro-arc oxidation of bioceramic coatings containing eggshell-derived hydroxyapatite on titanium substrate. <i>Ceramics International</i> , 2019 , 45, 18371-18381	5.1	22
219	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> , 2019 , 136, 47810	2.9	13
218	Electrical, thermal, and structural studies on highly conducting additive-free biopolymer electrolytes for electric double-layer capacitor application. <i>Ionics</i> , 2019 , 25, 4861-4874	2.7	13
217	Medium-chain-length poly-3-hydroxyalkanoates-carbon nanotubes composite as proton exchange membrane in microbial fuel cell. <i>Chemical Engineering Communications</i> , 2019 , 206, 731-745	2.2	8
216	Development of asymmetric device using Co ₃ (PO ₄) ₂ as a positive electrode for energy storage application. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7435-7446	2.1	22
215	Polyaniline-SrTiO ₃ nanocube based binary nanocomposite as highly stable electrode material for high performance supercapattery. <i>Ceramics International</i> , 2019 , 45, 11428-11437	5.1	22
214	Effect of different imidazolium-based ionic liquids on gel polymer electrolytes for dye-sensitized solar cells. <i>Ionics</i> , 2019 , 25, 2427-2435	2.7	29
213	Investigation on gel polymer electrolyte-based dye-sensitized solar cells using carbon nanotube. <i>Ionics</i> , 2019 , 25, 319-325	2.7	13
212	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> , 2019 , 58, 97-104	1.5	2
211	PMMA-LiBOB Gel Polymer Electrolytes in Lithium-Oxygen Cell. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 515, 012010	0.4	2

210	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> , 2019 , 43, 13183-13195	3.6	13
209	Enhancing the Efficiency of a Dye-Sensitized Solar Cell Based on a Metal Oxide Nanocomposite Gel Polymer Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30185-30196	9.5	23
208	SYNTHESIS AND CHARACTERIZATION OF pH-SENSITIVE N-SUCCINYL CHITOSAN HYDROGEL AND ITS PROPERTIES FOR BIOMEDICAL APPLICATIONS. <i>Journal of the Chilean Chemical Society</i> , 2019 , 64, 4571-4574	2.5	8
207	Transparent self-cleaning coating of modified polydimethylsiloxane (PDMS) for real outdoor application. <i>Progress in Organic Coatings</i> , 2019 , 131, 232-239	4.8	24
206	Quasi solid-state dye-sensitized solar cell with P(MMA-co-MAA)-based polymer electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1179-1189	2.6	12
205	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> , 2019 , 251, 114468	3.1	33
204	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> , 2019 , 178, 231-240	6.8	11
203	Amphiphilic Biopolyester-Carbon Nanotube Anode Enhances Electrochemical Activities of Microbial Fuel Cell. <i>Chemical Engineering and Technology</i> , 2019 , 42, 566-574	2	9
202	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> , 2019 , 91, 414-421	4.3	19
201	Sintering behaviour and properties of manganese-doped alumina. <i>Ceramics International</i> , 2019 , 45, 7049-7054	5.7	17
200	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> , 2019 , 25, 763-771	2.7	16
199	Effect of multi-ions doping on the properties of carbonated hydroxyapatite bioceramic. <i>Ceramics International</i> , 2019 , 45, 3473-3477	5.1	34
198	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> , 2018 , 117, 194-203	3.9	44
197	Enhancing rate capability of amorphous nickel phosphate supercapattery electrode via composition with crystalline silver phosphate. <i>Electrochimica Acta</i> , 2018 , 273, 216-228	6.7	68
196	Comparison between microwave and conventional sintering on the properties and microstructural evolution of tetragonal zirconia. <i>Ceramics International</i> , 2018 , 44, 8922-8927	5.1	31
195	Conductivity, dielectric studies and structural properties of P(VA-co-PE) and its application in dye sensitized solar cell. <i>Organic Electronics</i> , 2018 , 56, 116-124	3.5	23
194	The conductivity and dielectric studies of solid polymer electrolytes based on poly (acrylamide-co-acrylic acid) doped with sodium iodide. <i>Ionics</i> , 2018 , 24, 1947-1953	2.7	34
193	High performance supercapattery incorporating ternary nanocomposite of multiwalled carbon nanotubes decorated with Co ₃ O ₄ nanograins and silver nanoparticles as electrode material. <i>Electrochimica Acta</i> , 2018 , 278, 72-82	6.7	65

192	Corrosion protection performance of nanocomposite coatings under static, UV, and dynamic conditions 2018 , 15, 1035-1047		6
191	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> , 2018 , 57, 98-107		2
190	CoCl ₂ -doped polyaniline composites as electrode materials with enhanced electrochemical performance for supercapacitor application. <i>Polymer Bulletin</i> , 2018 , 75, 1563-1578	2.4	7
189	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> , 2018 , 135, 45902	2.9	7
188	Enhanced efficiency in dye-sensitized solar cell based on zinc oxide-modified poly(ethylene oxide) gel electrolyte. <i>Ionics</i> , 2018 , 24, 1221-1226	2.7	7
187	Effect of microwave sintering on the properties of copper oxide doped Y-TZP ceramics. <i>Ceramics International</i> , 2018 , 44, 19639-19645	5.1	6
186	Synthesis and characterization of karaya gum-g- poly (acrylic acid) hydrogels and in vitro release of hydrophobic quercetin. <i>Polymer</i> , 2018 , 147, 108-120	3.9	42
185	Electrical, dielectric and electrochemical characterization of novel poly(acrylic acid)-based polymer electrolytes complexed with lithium tetrafluoroborate. <i>Chemical Physics Letters</i> , 2018 , 692, 19-27	2.5	16
184	Modeling and control of diesel engines: A systematic review. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 4033-4048	6.1	20
183	Development of anti-corrosion coatings using the disposable waste material. <i>Pigment and Resin Technology</i> , 2018 , 47, 478-484	1	3
182	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> , 2018 , 117, 454-466	7.9	27
181	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> , 2018 , 83, 144-149	4.3	12
180	Implementation of hybrid pattern search genetic algorithm into optimizing axial-flux permanent magnet coreless generator (AFPMG). <i>Electrical Engineering</i> , 2017 , 99, 751-761	1.5	9
179	Degradation of ultra-high molecular weight poly(methyl methacrylate-co-butyl acrylate-co-acrylic acid) under ultra violet irradiation. <i>RSC Advances</i> , 2017 , 7, 112-120	3.7	21
178	Na-doped LiMnPO ₄ as an electrode material for enhanced lithium ion batteries. <i>Bulletin of Materials Science</i> , 2017 , 40, 171-175	1.7	15
177	Passively Q-switched erbium-doped fibre laser using cobalt oxide nanocubes as a saturable absorber. <i>Journal of Modern Optics</i> , 2017 , 64, 1315-1320	1.1	16
176	A promising binary nanocomposite of zinc cobaltite intercalated with polyaniline for supercapacitor and hydrazine sensor. <i>Journal of Alloys and Compounds</i> , 2017 , 716, 96-105	5.7	80
175	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> , 2017 , 66, 144-148	4.3	19

174	Binary nanocomposite based on Co ₃ O ₄ nanocubes and multiwalled carbon nanotubes as an ultrasensitive platform for amperometric determination of dopamine. <i>Mikrochimica Acta</i> , 2017 , 184, 2739-2748	5.8	30
173	Influences of sintering temperatures and crystallite sizes on electrochemical properties of LiNiPO ₄ as cathode materials via sol-gel route for lithium ion batteries. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 12-18	2.3	9
172	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> , 2017 , 240, 361-370	6.7	23
171	Comparison of the performance of copper oxide and yttrium oxide nanoparticle based hydroxylethyl cellulose electrolytes for supercapacitors. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	21
170	Influence of sodium on the properties of sol-gel derived hydroxyapatite powder and porous scaffolds. <i>Ceramics International</i> , 2017 , 43, 12263-12269	5.1	11
169	An enhanced performance of hybrid supercapacitor based on polyaniline-manganese phosphate binary composite. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3205-3213	2.6	43
168	Studies on SiO ₂ -hybrid polymeric nanocomposite coatings with superior corrosion protection and hydrophobicity. <i>Surface and Coatings Technology</i> , 2017 , 324, 536-545	4.4	66
167	Physico-chemical characterization of pH-sensitive N-Succinyl chitosan-g-poly (acrylamide-co-acrylic acid) hydrogels and in vitro drug release studies. <i>Polymer Degradation and Stability</i> , 2017 , 139, 38-54	4.7	30
166	Effect of two-step sintering on the hydrothermal ageing resistance of tetragonal zirconia polycrystals. <i>Ceramics International</i> , 2017 , 43, 7594-7599	5.1	14
165	Exploration on polypropylene carbonate polymer for gel polymer electrolyte preparation and dye-sensitized solar cell application. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45091	2.9	17
164	Ionic conductivity improvement in poly (propylene) carbonate-based gel polymer electrolytes using 1-butyl-3-methylimidazolium iodide (Bmim) ionic liquid for dye-sensitized solar cell application. <i>Ionics</i> , 2017 , 23, 1601-1605	2.7	13
163	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> , 2017 , 41, 33-41	3.5	17
162	Effect of halide anions in ionic liquid added poly(vinyl alcohol)-based ion conductors for electrical double layer capacitors. <i>Journal of Non-Crystalline Solids</i> , 2017 , 458, 97-106	3.9	19
161	Quasi-solid-state agar-based polymer electrolytes for dye-sensitized solar cell applications using imidazolium-based ionic liquid. <i>Ionics</i> , 2017 , 23, 1585-1590	2.7	19
160	Binary composite of polyaniline/copper cobaltite for high performance asymmetric supercapacitor application. <i>Electrochimica Acta</i> , 2017 , 227, 41-48	6.7	97
159	Anticorrosion properties of epoxy-nanochitosan nanocomposite coating. <i>Progress in Organic Coatings</i> , 2017 , 113, 74-81	4.8	37
158	pH responsive N-succinyl chitosan/Poly (acrylamide-co-acrylic acid) hydrogels and in vitro release of 5-fluorouracil. <i>PLoS ONE</i> , 2017 , 12, e0179250	3.7	44
157	Anticorrosion Properties of Epoxy/Nanocellulose Nanocomposite Coating. <i>BioResources</i> , 2017 , 12,	1.3	11

156	A Software-Based Heuristic Clustered (SBHC) Architecture for the Performance Improvement in MANET. <i>Wireless Personal Communications</i> , 2017 , 97, 6343-6355	1.9	9
155	Sonochemical synthesis of nanostructured nickel hydroxide as an electrode material for improved electrochemical energy storage application. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 416-423	3.6	33
154	Influence of acrylic acid on ethylene carbonate/dimethyl carbonate based liquid electrolyte and its supercapacitor application. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 30683-30690	6.7	36
153	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> , 2017 , 49, 292-299	3.5	25
152	Facile fabrication of cobalt oxide nanograin-decorated reduced graphene oxide composite as ultrasensitive platform for dopamine detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 1043-1051	8.5	126
151	Efficiency of supercapacitor using EC/DMC-based liquid electrolytes with methyl methacrylate (MMA) monomer. <i>Ionics</i> , 2016 , 22, 107-114	2.7	10
150	Sintering behaviour and properties of magnesium orthosilicate-hydroxyapatite ceramic. <i>Ceramics International</i> , 2016 , 42, 15756-15761	5.1	8
149	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> , 2016 , 216, 239-245	6.7	8
148	Poly(methyl methacrylate- co -butyl acrylate- co -acrylic acid): Physico-chemical characterization and targeted dye sensitized solar cell application. <i>Materials and Design</i> , 2016 , 108, 560-569	8.1	69
147	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. <i>Electrochimica Acta</i> , 2016 , 220, 573-580	6.7	42
146	Effect of ionic liquid 1-butyl-3-methylimidazolium bromide on ionic conductivity of poly(ethyl methacrylate) based polymer electrolytes. <i>Materials Express</i> , 2016 , 6, 252-258	1.3	8
145	A novel coating material that uses nano-sized SiO ₂ particles to intensify hydrophobicity and corrosion protection properties. <i>Electrochimica Acta</i> , 2016 , 220, 417-426	6.7	71
144	Preparation and performance analysis of barium titanate incorporated in corn starch-based polymer electrolytes for electric double layer capacitor application. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	14
143	Enhanced electrochemical properties of ZnO-coated LiMnPO ₄ cathode materials for lithium ion batteries. <i>Ionics</i> , 2016 , 22, 1551-1556	2.7	5
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