

Ramesh T. Subramaniam

List of Publications by Year in descending order

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285
papers

13,909
citations

18482

62
h-index

32842

100
g-index

288
all docs

288
docs citations

288
times ranked

10762
citing authors

#	ARTICLE	IF	CITATIONS
1	Renewable and soft dynamic supercapacitors based on poly (acrylamide) hydrogel electrolytes and porous carbon electrodes. <i>Polymer Bulletin</i> , 2023, 80, 1285-1302.	3.3	4
2	Development and characterisation of multifunctional composite coatings using bio-based additives. <i>Pigment and Resin Technology</i> , 2022, 51, 129-139.	0.9	2
3	Hybrid organic polymer electrolytes for dye-sensitized solar cells. , 2022, , 181-212.		2
4	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.	2.7	13
5	A concise review on corrosion inhibitors: types, mechanisms and electrochemical evaluation studies. <i>Journal of Coatings Technology Research</i> , 2022, 19, 241-268.	2.5	55
6	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.	8.1	9
7	Advances in materials and fabrication of separators in supercapacitors. <i>Materials Advances</i> , 2022, 3, 1472-1496.	5.4	33
8	Improved cycling stability of $V_{2}O_{5}$ modified spinel $LiMn_{2}O_{4}$ cathode at high cut-off voltage for lithium-ion batteries. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 2036-2052.	2.1	11
9	Review of Peak Shaving Features of the Power Box. <i>Energy Technology</i> , 2022, 10, .	3.8	1
10	A comparative study of corrosion resistance of epoxy-based coating incorporated chitosan, silica and hybrid compound of chitosan/silica on mild steel. <i>Pigment and Resin Technology</i> , 2022, ahead-of-print, .	0.9	3
11	A review on the recent advances in binder-free electrodes for electrochemical energy storage application. <i>Journal of Energy Storage</i> , 2022, 50, 104283.	8.1	57
12	Why is graphene an extraordinary material? A review based on a decade of research. <i>Frontiers of Materials Science</i> , 2022, 16, .	2.2	11
13	Review of Peak Shaving Features of the Power Box. <i>Energy Technology</i> , 2022, 10, .	3.8	0
14	Low-temperature degradation behaviour of microwave sintered CuO-doped Y-TZP ceramics. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
15	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.	3.1	7
16	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.	9.3	29
17	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.	4.8	33
18	High-Rate and Long-Life Cycle of Nano- $LiMn_{2}O_{4}$ Under High Cut-Off Potential. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021, 18, .	2.1	3

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19	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.	3.5	15
20	A review on plant extracts as natural additives in coating applications. <i>Progress in Organic Coatings</i> , 2021, 151, 106091.	3.9	53
21	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.	6.1	34
22	Tailorable solid-state supercapacitors based on poly (N-hydroxymethylacrylamide) hydrogel electrolytes with high ionic conductivity. <i>Journal of Energy Storage</i> , 2021, 35, 102320.	8.1	21
23	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.	3.8	13
24	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.	3.9	65
25	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.	2.7	10
26	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.	4.7	17
27	Sintering behaviour of fluorapatite-silicate composites produced from natural fluorapatite and quartz. <i>Ceramics International</i> , 2021, 47, 16483-16490.	4.8	10
28	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.	2.6	4
29	Growth of nanostructured cobalt sulfide-based nanocomposite as faradaic binder-free electrode for supercapattery. <i>Journal of Energy Storage</i> , 2021, 39, 102599.	8.1	25
30	Effect of electrode substrate and poly(acrylamide) hydrogel electrolytes on the electrochemical performance of supercapacitors. <i>Ionics</i> , 2021, 27, 4507-4519.	2.4	8
31	PMMA-LiTFSI based gel polymer electrolyte for lithium-oxygen cell application. <i>Optical Materials</i> , 2021, 120, 111418.	3.6	19
32	Conducting polymer/graphene hydrogel electrodes based aqueous smart Supercapacitors: A review and future prospects. <i>Journal of Electroanalytical Chemistry</i> , 2021, 898, 115626.	3.8	54
33	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.	4.0	7
34	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.	2.4	9
35	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.	8.1	8
36	Review on the Revolution of Polymer Electrolytes for Dye-Sensitized Solar Cells. <i>Energy & Fuels</i> , 2021, 35, 19320-19350.	5.1	13

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37	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	26
38	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.	4.0	35
39	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.	2.4	12
40	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.	4.1	162
41	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.	3.9	19
42	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.	5.5	46
43	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.	0.9	11
44	Facile sonochemical synthesis of 2D porous Co ₃ O ₄ nanoflake for supercapattery. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153019.	5.5	45
45	Synthesis and characterization of hybrid poly (N, N-dimethylacrylamide) composite hydrogel electrolytes and their performance in supercapacitor. <i>Electrochimica Acta</i> , 2020, 332, 135438.	5.2	44
46	Effect of physical interaction between polyaniline and metal phosphate nanocomposite as positive electrode for supercapattery. <i>Journal of Energy Storage</i> , 2020, 32, 101850.	8.1	8
47	Synthesis and characterization of self-healable poly (acrylamide) hydrogel electrolytes and their application in fabrication of aqueous supercapacitors. <i>Polymer</i> , 2020, 210, 123020.	3.8	42
48	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. <i>Polymers</i> , 2020, 12, 2702.	4.5	321
49	Cobalt Oxide Nanograins and Silver Nanoparticles Decorated Fibrous Polyaniline Nanocomposite as Battery-Type Electrode for High Performance Supercapattery. <i>Polymers</i> , 2020, 12, 2816.	4.5	22
50	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.	0.9	3
51	Synthesis of nano-TiO ₂ coating systems for solar cell. <i>Pigment and Resin Technology</i> , 2020, 49, 26-32.	0.9	3
52	Effects of sintering additives on the densification and properties of alumina-toughened zirconia ceramic composites. <i>Ceramics International</i> , 2020, 46, 27539-27549.	4.8	26
53	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.	8.1	35
54	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.	1.9	12

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55	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.	8.4	24
56	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.	2.9	24
57	Effect of CeO ₂ 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.	6.4	52
58	Printed-Circuit-Board-Based Two-Electrode System for Electronic Characterization of Proteins. <i>ACS Omega</i> , 2020, 5, 7802-7808.	3.5	5
59	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.	2.8	68
60	Effects of TiO ₂ 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, .	2.4	33
61	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.	2.4	31
62	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.	2.4	13
63	Coral-like structured nickel sulfide-cobalt sulfide binder-free electrode for supercapattery. <i>Ionics</i> , 2020, 26, 3621-3630.	2.4	16
64	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.	2.4	12
65	Preparation of Hybrid Chitosan/Silica Composites Via Ionotropic Gelation and Its Electrochemical Impedance Studies. <i>Progress in Organic Coatings</i> , 2020, 145, 105679.	3.9	12
66	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.	5.2	41
67	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.	2.4	3
68	Effect of different imidazolium-based ionic liquids on gel polymer electrolytes for dye-sensitized solar cells. <i>Ionics</i> , 2019, 25, 2427-2435.	2.4	51
69	Investigation on gel polymer electrolyte-based dye-sensitized solar cells using carbon nanotube. <i>Ionics</i> , 2019, 25, 319-325.	2.4	15
70	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.	1.3	4
71	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.	2.8	24
72	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.	8.0	41

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73	Electrolyte selection for supercapacitive devices: a critical review. <i>Nanoscale Advances</i> , 2019, 1, 3807-3835.	4.6	702
74	Iota-carrageenan-based polymer electrolyte: impact on ionic conductivity with incorporation of AmNTFSI ionic liquid for supercapacitor. <i>Ionics</i> , 2019, 25, 3321-3329.	2.4	15
75	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.	4.0	11
76	Micro-arc oxidation of bioceramic coatings containing eggshell-derived hydroxyapatite on titanium substrate. <i>Ceramics International</i> , 2019, 45, 18371-18381.	4.8	39
77	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.	2.6	19
78	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.	2.4	30
79	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.	2.6	18
80	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.	2.2	43
81	Polyaniline-SrTiO ₃ nanocube based binary nanocomposite as highly stable electrode material for high performance supercapattery. <i>Ceramics International</i> , 2019, 45, 11428-11437.	4.8	48
82	Transparent self-cleaning coating of modified polydimethylsiloxane (PDMS) for real outdoor application. <i>Progress in Organic Coatings</i> , 2019, 131, 232-239.	3.9	45
83	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.	2.5	17
84	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.	3.5	61
85	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.	6.1	20
86	Amphiphilic Biopolyester-Carbon Nanotube Anode Enhances Electrochemical Activities of Microbial Fuel Cell. <i>Chemical Engineering and Technology</i> , 2019, 42, 566-574.	1.5	10
87	Efficiency enhancement of dye-sensitized solar cell based gel polymer electrolytes using Poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlook Semiconductor Processing, 2019, 91, 414-421.	4.0	29
88	Sintering behaviour and properties of manganese-doped alumina. <i>Ceramics International</i> , 2019, 45, 7049-7054.	4.8	39
89	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.	2.4	31
90	Effect of multi-ions doping on the properties of carbonated hydroxyapatite bioceramic. <i>Ceramics International</i> , 2019, 45, 3473-3477.	4.8	57

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91	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.	1.2	23
92	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.	4.0	56
93	Enhancing rate capability of amorphous nickel phosphate supercapattery electrode via composition with crystalline silver phosphate. <i>Electrochimica Acta</i> , 2018, 273, 216-228.	5.2	121
94	Comparison between microwave and conventional sintering on the properties and microstructural evolution of tetragonal zirconia. <i>Ceramics International</i> , 2018, 44, 8922-8927.	4.8	79
95	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.	2.6	33
96	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.	2.4	44
97	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.	5.2	88
98	Corrosion protection performance of nanocomposite coatings under static, UV, and dynamic conditions. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1035-1047.	2.5	14
99	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.	1.9	3
100	CoCl ₂ -doped polyaniline composites as electrode materials with enhanced electrochemical performance for supercapacitor application. <i>Polymer Bulletin</i> , 2018, 75, 1563-1578.	3.3	11
101	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.	2.6	11
102	Enhanced efficiency in dye-sensitized solar cell based on zinc oxide-modified poly(ethylene oxide) gel electrolyte. <i>Ionics</i> , 2018, 24, 1221-1226.	2.4	11
103	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.	2.6	25
104	Modeling and control of diesel engines: A systematic review. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 4033-4048.	6.4	36
105	Development of anti-corrosion coatings using the disposable waste material. <i>Pigment and Resin Technology</i> , 2018, 47, 478-484.	0.9	9
106	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.	7.5	43
107	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.	4.0	16
108	Effect of microwave sintering on the properties of copper oxide doped Y-TZP ceramics. <i>Ceramics International</i> , 2018, 44, 19639-19645.	4.8	16

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109	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.	3.8	75
110	Implementation of hybrid pattern search genetic algorithm into optimizing axial-flux permanent magnet coreless generator (AFPMG). <i>Electrical Engineering</i> , 2017, 99, 751-761.	2.0	13
111	Degradation of ultra-high molecular weight poly(methyl methacrylate-co-butyl acrylate-co-acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc	3.6	48
112	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	21
113	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.	1.3	18
114	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.	5.5	121
115	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.	4.0	27
116	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.	5.0	42
117	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.	2.4	10
118	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.	5.2	25
119	Comparison of the performance of copper oxide and yttrium oxide nanoparticle based hydroxyethyl cellulose electrolytes for supercapacitors. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	31
120	Influence of sodium on the properties of sol-gel derived hydroxyapatite powder and porous scaffolds. <i>Ceramics International</i> , 2017, 43, 12263-12269.	4.8	15
121	An enhanced performance of hybrid supercapacitor based on polyaniline-manganese phosphate binary composite. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3205-3213.	2.5	79
122	Studies on SiO ₂ -hybrid polymeric nanocomposite coatings with superior corrosion protection and hydrophobicity. <i>Surface and Coatings Technology</i> , 2017, 324, 536-545.	4.8	102
123	Physico-chemical characterization of pH-sensitive N -Succinyl chitosan- g -poly (acrylamide- co -acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc	5.8	46
124	Effect of two-step sintering on the hydrothermal ageing resistance of tetragonal zirconia polycrystals. <i>Ceramics International</i> , 2017, 43, 7594-7599.	4.8	59
125	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.	2.6	19
126	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> , 2017, 23, 1601-1605.	2.4	15

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127	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.	2.6	22
128	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.	3.1	25
129	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.	2.4	21
130	Binary composite of polyaniline/copper cobaltite for high performance asymmetric supercapacitor application. <i>Electrochimica Acta</i> , 2017, 227, 41-48.	5.2	161
131	Anticorrosion properties of epoxy-nanochitosan nanocomposite coating. <i>Progress in Organic Coatings</i> , 2017, 113, 74-81.	3.9	60
132	A Software-Based Heuristic Clustered (SBHC) Architecture for the Performance Improvement in MANET. <i>Wireless Personal Communications</i> , 2017, 97, 6343-6355.	2.7	12
133	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.	4.4	54
134	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.	7.1	53
135	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.	2.6	36
136	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.	7.8	163
137	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.	2.5	67
138	Anticorrosion Properties of Epoxy/Nanocellulose Nanocomposite Coating. <i>BioResources</i> , 2017, 12, .	1.0	16
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278	Ionic conductivity studies of poly(vinyl alcohol) alkaline solid polymer electrolyte and its use in nickel-zinc cells. <i>Solid State Ionics</i> , 2003, 156, 171-177.	2.7	190
279	Miscibility studies of PVC blends (PVC/PMMA and PVC/PEO) based polymer electrolytes. <i>Solid State Ionics</i> , 2002, 148, 483-486.	2.7	48
280	Dielectric behaviour of PVC-based polymer electrolytes. <i>Solid State Ionics</i> , 2002, 152-153, 291-294.	2.7	228
281	Pharmacokinetics of pefloxacin in goats after intravenous or oral administration. <i>Veterinary Research Communications</i> , 2002, 26, 141-149.	1.6	12
282	Structural, thermal and electrochemical cell characteristics of poly(vinyl chloride)-based polymer electrolytes. <i>Journal of Power Sources</i> , 2001, 99, 41-47.	7.8	124
283	Ionic conductivity studies of plasticized poly(vinyl chloride) polymer electrolytes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001, 85, 11-15.	3.5	236
284	Electrical conductivity studies of polyvinyl chloride-based electrolytes with double salt system. <i>Solid State Ionics</i> , 2000, 136-137, 1197-1200.	2.7	41
285	PMMA-LiBOB Gel Polymer Electrolytes in Lithium-Oxygen Cell. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 515, 012010.	0.6	3