

# Ramesh Kasi

## List of Publications by Year in descending order

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170  
papers

6,485  
citations

57758

44  
h-index

82547

72  
g-index

172  
all docs

172  
docs citations

172  
times ranked

5486  
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	Electrochemical performance of binder-free Ni(OH) <sub>2</sub> /RGO battery type electrode materials for supercapacitor. <i>International Journal of Green Energy</i> , 2023, 20, 725-733.	3.8	4
3	Development and characterisation of multifunctional composite coatings using bio-based additives. <i>Pigment and Resin Technology</i> , 2022, 51, 129-139.	0.9	2
4	Hybrid organic polymer electrolytes for dye-sensitized solar cells. , 2022, , 181-212.		2
5	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
6	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
7	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
8	A comprehensive review: Super hydrophobic graphene nanocomposite coatings for underwater and wet applications to enhance corrosion resistance. <i>FlatChem</i> , 2022, 31, 100326.	5.6	33
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	Manganese-doped zinc sulfide binary nanostructures as binder-free electrode materials for supercapattery. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1733-1746.	2.5	7
13	A review on graphene and its derivatives as the forerunner of the two-dimensional material family for the future. <i>Journal of Materials Science</i> , 2022, 57, 12236-12278.	3.7	22
14	Recent development and prospective of carbonaceous material, conducting polymer and their composite electrode materials for supercapacitor. A review. <i>Journal of Energy Storage</i> , 2022, 52, 104937.	8.1	61
15	Aqueous solid and gel electrolytes for supercapattery. , 2021, , 271-310.		2
16	An extensive study of the adhesion and antifogging of the transparent polydimethylsiloxane/Sylgard coating system. , 2021, , 83-103.		1
17	A review on plant extracts as natural additives in coating applications. <i>Progress in Organic Coatings</i> , 2021, 151, 106091.	3.9	53
18	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

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19	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
20	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
21	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
22	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
23	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
24	Highly efficient <sc>dye-sensitized</sc> 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
25	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
26	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
27	Development of active barrier effect of hybrid chitosan/silica composite epoxy-based coating on mild steel surface. <i>Surfaces and Interfaces</i> , 2021, 25, 101250.	3.0	18
28	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
29	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
30	Ternary nanocomposites for supercapattery. , 2021, , 141-173.		2
31	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
32	Review on the Revolution of Polymer Electrolytes for Dye-Sensitized Solar Cells. <i>Energy &amp; Fuels</i> , 2021, 35, 19320-19350.	5.1	13
33	Facile synthesise of transparent hydrophobic nano- CaCO <sub>3</sub> based coatings for self-cleaning and anti-fogging. <i>Materials Chemistry and Physics</i> , 2020, 239, 121913.	4.0	35
34	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
35	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
36	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

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37	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
38	Facile sonochemical synthesis of 2D porous Co <sub>3</sub> O <sub>4</sub> nanoflake for supercapattery. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153019.	5.5	45
39	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
40	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
41	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
42	Fundamental Concepts of Hydrogels: Synthesis, Properties, and Their Applications. <i>Polymers</i> , 2020, 12, 2702.	4.5	321
43	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
44	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
45	Synthesis of nano-TiO <sub>2</sub> coating systems for solar cell. <i>Pigment and Resin Technology</i> , 2020, 49, 26-32.	0.9	3
46	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> , 2020, 32, 101750.	8.1	35
47	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
48	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
49	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> , 2020, 6, .	2.4	33
50	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
51	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
52	Coral-like structured nickel sulfide-cobalt sulfide binder-free electrode for supercapattery. <i>Ionics</i> , 2020, 26, 3621-3630.	2.4	16
53	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
54	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

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55	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
56	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
57	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
58	Investigation on gel polymer electrolyte-based dye-sensitized solar cells using carbon nanotube. <i>Ionics</i> , 2019, 25, 319-325.	2.4	15
59	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
60	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
61	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> , 2019, 11, 30185-30196.	8.0	41
62	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
63	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
64	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
65	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> , 2019, 30, 7435-7446.	2.2	43
66	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
67	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
68	Polymers-based nanocomposite coatings. , 2019, , 9-39.		3
69	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
70	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
71	Efficiency enhancement of dye-sensitized solar cell based gel polymer electrolytes using Poly(vinyl) Semiconductor Processing, 2019, 91, 414-421.	4.0	29
72	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

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73	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
74	Effect of Ionic Liquid and Nanoparticles on PVA-co-PE-Based GPEs for the Applications in DSSCs. <i>Lecture Notes in Networks and Systems</i> , 2019, , 5-5.	0.7	0
75	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
76	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
77	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
78	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
79	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> , 2018, 278, 72-82.	5.2	88
80	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
81	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
82	CoCl <sub>2</sub> -doped polyaniline composites as electrode materials with enhanced electrochemical performance for supercapacitor application. <i>Polymer Bulletin</i> , 2018, 75, 1563-1578.	3.3	11
83	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
84	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
85	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
86	Development of anti-corrosion coatings using the disposable waste material. <i>Pigment and Resin Technology</i> , 2018, 47, 478-484.	0.9	9
87	Binary Nanocomposite Of Co <sub>3</sub> O <sub>4</sub> Nanocubes Supported On Carbon Matrix For Supercapattery. , 2018, , .		4
88	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
89	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
90	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

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91	Degradation of ultra-high molecular weight poly(methyl methacrylate-co-butyl acrylate-co-acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc	3.6	43
92	Na-doped LiMnPO <sub>4</sub> as an electrode material for enhanced lithium ion batteries. Bulletin of Materials Science, 2017, 40, 171-175.	1.7	21
93	A promising binary nanocomposite of zinc cobaltite intercalated with polyaniline for supercapacitor and hydrazine sensor. Journal of Alloys and Compounds, 2017, 716, 96-105.	5.5	121
94	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.	4.0	27
95	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. Mikrochimica Acta, 2017, 184, 2739-2748.	5.0	42
96	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. Journal of Sol-Gel Science and Technology, 2017, 83, 12-18.	2.4	10
97	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.	5.2	25
98	Comparison of the performance of copper oxide and yttrium oxide nanoparticle based hydroxylethyl cellulose electrolytes for supercapacitors. Journal of Applied Polymer Science, 2017, 134, .	2.6	31
99	An enhanced performance of hybrid supercapacitor based on polyaniline-manganese phosphate binary composite. Journal of Solid State Electrochemistry, 2017, 21, 3205-3213.	2.5	79
100	Studies on SiO <sub>2</sub> -hybrid polymeric nanocomposite coatings with superior corrosion protection and hydrophobicity. Surface and Coatings Technology, 2017, 324, 536-545.	4.8	102
101	Physico-chemical characterization of pH-sensitive N-Succinyl chitosan-g-poly (acrylamide- co -acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc	3.8	46
102	Exploration on polypropylene carbonate polymer for gel polymer electrolyte preparation and dye-sensitized solar cell application. Journal of Applied Polymer Science, 2017, 134, 45091.	2.6	19
103	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. Ionics, 2017, 23, 1601-1605.	2.4	15
104	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.	2.6	22
105	Quasi-solid-state agar-based polymer electrolytes for dye-sensitized solar cell applications using imidazolium-based ionic liquid. Ionics, 2017, 23, 1585-1590.	2.4	21
106	Binary composite of polyaniline/copper cobaltite for high performance asymmetric supercapacitor application. Electrochimica Acta, 2017, 227, 41-48.	5.2	161
107	Anticorrosion properties of epoxy-nanochitosan nanocomposite coating. Progress in Organic Coatings, 2017, 113, 74-81.	3.9	60
108	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.	4.4	54

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109	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
110	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
111	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
112	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
113	Anticorrosion Properties of Epoxy/Nanocellulose Nanocomposite Coating. <i>BioResources</i> , 2017, 12, .	1.0	16
114	An Approach to Solid-State Electrical Double Layer Capacitors Fabricated with Graphene Oxide-Doped, Ionic Liquid-Based Solid Copolymer Electrolytes. <i>Materials</i> , 2016, 9, 450.	2.9	70
115	Formulation and characterization of hybrid polymeric/ZnO nanocomposite coatings with remarkable anti-corrosion and hydrophobic characteristics. <i>Journal of Coatings Technology Research</i> , 2016, 13, 921-930.	2.5	43
116	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> , 2016, 133, .	2.6	5
117	Effects of ionic liquid on the hydroxylpropylmethyl cellulose (HPMC) solid polymer electrolyte. <i>Ionics</i> , 2016, 22, 2421-2430.	2.4	34
118	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> , 2016, 6, 27630.	3.3	22
119	Comparison studies on the anticorrosion and overall performance of solvent/water based epoxy-copper reinforced composite coatings. <i>Materials Express</i> , 2016, 6, 403-413.	0.5	13
120	Performance of polyester/epoxy binder coating system – studies on coating resistance, adhesion and differential scanning calorimetry. <i>Pigment and Resin Technology</i> , 2016, 45, 158-163.	0.9	3
121	Synthesis, characterization, properties of N-succinyl chitosan-g-poly (methacrylic acid) hydrogels and in vitro release of theophylline. <i>Polymer</i> , 2016, 92, 36-49.	3.8	77
122	Ultra-high capacitance of amorphous nickel phosphate for asymmetric supercapacitor applications. <i>RSC Advances</i> , 2016, 6, 76298-76306.	3.6	167
123	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.	5.2	8
124	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.	7.0	79
125	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> , 2016, 220, 573-580.	5.2	56
126	Effect of ionic liquid 1-butyl-3-methylimidazolium bromide on ionic conductivity of poly(ethyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	0.5	13



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127	A novel coating material that uses nano-sized SiO <sub>2</sub> particles to intensify hydrophobicity and corrosion protection properties. <i>Electrochimica Acta</i> , 2016, 220, 417-426.	5.2	109
128	Enhanced electrochemical properties of ZnO-coated LiMnPO <sub>4</sub> cathode materials for lithium ion batteries. <i>Ionics</i> , 2016, 22, 1551-1556.	2.4	9
129	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> , 2016, 80, 514-522.	2.4	12
130	A review of polymer electrolytes: fundamental, approaches and applications. <i>Ionics</i> , 2016, 22, 1259-1279.	2.4	488
131	Conducting polymer and its composite materials based electrochemical sensor for Nicotinamide Adenine Dinucleotide (NADH). <i>Biosensors and Bioelectronics</i> , 2016, 79, 763-775.	10.1	88
132	Amelioration of anticorrosion and hydrophobic properties of epoxy/PDMS composite coatings containing nano ZnO particles. <i>Progress in Organic Coatings</i> , 2016, 92, 54-65.	3.9	162
133	Structural and electrochemical characterizations of LiMn <sub>1-x</sub> Al <sub>0.5</sub> Cu <sub>0.5</sub> PO <sub>4</sub> (x=0.0, 0.1, 0.2) cathode materials for lithium ion batteries. <i>Materials Letters</i> , 2016, 173, 131-135.	2.6	5
134	Enhanced electrochemical performance of cobalt oxide nanocube intercalated reduced graphene oxide for supercapacitor application. <i>RSC Advances</i> , 2016, 6, 34894-34902.	3.6	131
135	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> , 2016, 45, 18-23.	0.9	7
136	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> , 2016, 471, 136-144.	9.4	171
137	Ionic liquid enhanced magnesium-based polymer electrolytes for electrical double-layer capacitors. <i>Ionics</i> , 2016, 22, 919-925.	2.4	70
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