

# S Radhakrishnan

## List of Publications by Citations

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#	Paper	IF	Citations
150	Electrochromic materials and devices: present and future. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 77, 117-123	4.3	632
149	Conducting polyaniline/nano-TiO <sub>2</sub> composites for smart corrosion resistant coatings. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 1249-1254	6.7	259
148	Adsorption of sulfonated dyes by polyaniline emeraldine salt and its kinetics. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 10153-7	3.4	219
147	Structure development and crystallization behaviour of PP/nanoparticulate composite. <i>Polymer</i> , <b>2001</b> , 42, 6723-6731	3.9	180
146	Adsorption and desorption kinetics of anionic dyes on doped polyaniline. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 2293-9	3.4	159
145	Quantum-chemical studies on hexaazaisowurtzitanes. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 498-503	3.8	110
144	Epoxy powder coatings containing polyaniline for enhanced corrosion protection. <i>Progress in Organic Coatings</i> , <b>2009</b> , 64, 383-386	4.8	100
143	Conducting polymer based hybrid nano-composites for enhanced corrosion protective coatings. <i>Progress in Organic Coatings</i> , <b>2006</b> , 57, 332-336	4.8	95
142	Study and development of conducting polymer-based electrochromic display devices. <i>Acta Materialia</i> , <b>2000</b> , 48, 2859-2871	8.4	95
141	Preparation, Characterization, and Performance of Conductive Fabrics: Cotton + PANi. <i>Textile Reseach Journal</i> , <b>2004</b> , 74, 155-166	1.7	72
140	Thermal degradation properties of solid polymer electrolyte (poly(vinyl alcohol)+phosphoric acid)/methylene blue composites. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 79, 77-83	4.7	69
139	Structure development and properties of PET fibre filled PP composites. <i>Polymer</i> , <b>2001</b> , 42, 4537-4548	3.9	64
138	CO sensor based on polypyrrole functionalized with iron porphyrin. <i>Synthetic Metals</i> , <b>2009</b> , 159, 1019-1023	3.3	63
137	Conducting polypyrrole modified with ferrocene for applications in carbon monoxide sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 125, 60-65	8.5	63
136	High-temperature, polymer/graphite hybrid composites for bipolar plates: Effect of processing conditions on electrical properties. <i>Journal of Power Sources</i> , <b>2007</b> , 163, 702-707	8.9	62
135	Conducting Polymers Functionalized with Phthalocyanine as Nitrogen Dioxide Sensors. <i>Sensors</i> , <b>2002</b> , 2, 185-194	3.8	53
134	Charge transfer complex-forming dyes incorporated in solid polymer electrolyte for optical humidity sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2001</b> , 80, 141-148	8.5	48

133	Effect of CaCO <sub>3</sub> on the crystallization behaviour of polypropylene. <i>Journal of Materials Science</i> , <b>1996</b> , 31, 5691-5695	4.3	45
132	Piezoresistivity of conducting polyaniline/BaTiO <sub>3</sub> composites. <i>Journal of Materials Research</i> , <b>2001</b> , 16, 1982-1988	2.5	39
131	Novel dye+solid polymer electrolyte material for optical humidity sensing. <i>Organic Electronics</i> , <b>2001</b> , 2, 83-88	3.5	35
130	Effect of casting solvent on the crystallization in PEO/PMMA blends. <i>Polymer</i> , <b>1996</b> , 37, 3749-3752	3.9	34
129	Electrical properties of polyester elastomer composites containing metallic fillers. <i>Journal of Materials Science</i> , <b>1991</b> , 26, 5950-5956	4.3	34
128	Electrochromic response in polypyrrole sensitized by Prussian blue. <i>Chemical Physics Letters</i> , <b>1998</b> , 292, 218-222	2.5	33
127	Conducting polymer-based chemical sensor: Characteristics and evaluation of polyaniline composite films. <i>Advanced Materials for Optics and Electronics</i> , <b>1996</b> , 6, 151-157		33
126	Quantum chemical studies on polythiophenes containing heterocyclic substituents: effect of structure on the band gap. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 164905	3.9	31
125	Sensitization of photoconductivity in tetragonal lead monoxide. <i>Journal of Materials Science</i> , <b>1983</b> , 18, 1912-1916	4.3	31
124	Polypyrrole functionalized with ferrocenyl derivative as a rapid carbon monoxide sensor. <i>Synthetic Metals</i> , <b>2009</b> , 159, 415-418	3.6	29
123	Application of dip-coating process for depositing conducting polypyrrole films. <i>Thin Solid Films</i> , <b>1997</b> , 303, 167-172	2.2	28
122	Novel polyaniline/PVDF/BaTiO <sub>3</sub> hybrid composites with high piezo-sensitivity. <i>Sensors and Actuators A: Physical</i> , <b>2007</b> , 138, 361-365	3.9	28
121	Polymer-induced crystallization of inorganic salts: PEO-CuCl <sub>2</sub> . <i>Journal of Crystal Growth</i> , <b>1992</b> , 116, 378-386		28
120	Effect of thermal conductivity and heat transfer on crystallization, structure, and morphology of polypropylene containing different fillers. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 93, 615-623	2.9	27
119	Charge transport processes in polypyrrole nanoscale composites. <i>Synthetic Metals</i> , <b>1996</b> , 79, 219-224	3.6	27
118	Structure and electrical properties of polypyrrole/thermoplastic elastomer blends. <i>Polymer International</i> , <b>1994</b> , 34, 111-117	3.3	27
117	Influence of dopant ions on properties of conducting polypyrrole and its electrocatalytic activity towards methanol oxidation. <i>Synthetic Metals</i> , <b>2009</b> , 159, 1682-1688	3.6	26
116	Structure development and electrical properties of polypyrrole deposited on poly(ethylene oxide) complexes. <i>Synthetic Metals</i> , <b>1993</b> , 58, 243-255	3.6	26

115	High piezoresistivity in conducting polymer composites. <i>Materials Letters</i> , <b>1994</b> , 18, 358-362	3.3	25
114	OPTICAL PROPERTIES OF FUNCTIONALIZED POLYTHIOPHENES. <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 4645-4676	1.1	24
113	Effect of moisture (in solid polymer electrolyte) on the photosensitivity of conducting polypyrrole sensitized by prussian blue in solid-state photocells. <i>Synthetic Metals</i> , <b>2000</b> , 110, 181-187	3.6	24
112	Structure and properties of polythiophene containing hetero aromatic side chains. <i>Computational Materials Science</i> , <b>2006</b> , 37, 318-322	3.2	23
111	Role of non-linear processes in conducting polymer blends for piezo-sensors: Part 2: Studies on polyaniline/SBS blends. <i>Sensors and Actuators A: Physical</i> , <b>2005</b> , 120, 474-481	3.9	22
110	Sensitization of photocurrents in solid-state electrochemical cells using conducting polypyrrole. <i>Materials Letters</i> , <b>1998</b> , 37, 192-196	3.3	21
109	Charge transport processes in conducting polypyrrole/Prussian Blue bilayers. <i>Materials Chemistry and Physics</i> , <b>2002</b> , 76, 15-19	4.4	21
108	Modification of surface structure and crystallinity in compression-molded poly(phenylene sulfide). <i>Polymer Engineering and Science</i> , <b>1984</b> , 24, 1383-1389	2.3	21
107	Computational studies on tetrazole derivatives as potential high energy materials. <i>Structural Chemistry</i> , <b>2011</b> , 22, 775-782	1.8	20
106	Polyethersulfone-expanded graphite nanocomposites: Charge transport and impedance characteristics. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 2111-2116	8.6	20
105	Structure development in PP/CaSO <sub>2</sub> composites: Part II Effect of filler on crystallization and morphology. <i>Journal of Materials Science</i> , <b>1998</b> , 33, 1069-1074	4.3	20
104	Electrical properties of conducting polypyrrole films functionalized with phthalocyanine. <i>Materials Letters</i> , <b>2001</b> , 48, 144-150	3.3	20
103	Current-voltage characteristics of conducting polypyrrole in solid polyethylene oxide electrolytes. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 71, 2059-2067	2.9	20
102	Effect of a third component on the electrical properties of conducting polymer composites. <i>Journal of Materials Science Letters</i> , <b>1985</b> , 4, 1445-1448		20
101	Role of heat transfer and thermal conductivity in the crystallization behavior of polypropylene-containing additives: A phenomenological model. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 2994-2999	2.9	19
100	Structure and dielectric properties of poly(vinyl chloride) thermoplastic elastomer blends. <i>Journal of Applied Polymer Science</i> , <b>1994</b> , 52, 1577-1586	2.9	19
99	Polypyrrole growth on crystalline PEO complexes: characterization by WAXD and XPS. <i>Synthetic Metals</i> , <b>1994</b> , 62, 217-221	3.6	19
98	Polymer-induced crystallization of inorganic salts II. PEO-CaCl <sub>2</sub> , PEO-K <sub>2</sub> CO <sub>3</sub> and PEO-CaCO <sub>3</sub> . <i>Journal of Crystal Growth</i> , <b>1993</b> , 129, 191-201	1.6	19

97	Structure development in PP/CaSO <sub>4</sub> composites: Part I Preparation of the filler by an in situ technique. <i>Journal of Materials Science</i> , <b>1998</b> , 33, 1063-1068	4.3	18
96	Effect of $\beta$ phase nucleating additives on structure and properties of blow extruded polypropylene. <i>Journal of Applied Polymer Science</i> , <b>1997</b> , 64, 1247-1253	2.9	17
95	Synthesis, characterization and thermolysis studies on 3,7-dinitro-1,3,5,7-tetraazabicyclo[3,3,1]nonane (DPT): A key precursor in the synthesis of most powerful benchmark energetic materials (RDX/HMX) of today. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 152, 1317-24	12.8	17
94	Structure, mechanical and thermal properties of polypropylene based hybrid composites with banana fiber and fly ash. <i>Materials Research Express</i> , <b>2019</b> , 6, 075318	1.7	16
93	Sensitization effect in doped and undoped state of polypyrrole by methylene blue in solid state electrochemical cells. <i>Chemical Physics Letters</i> , <b>2003</b> , 379, 401-405	2.5	16
92	Control of nanoparticle size of fillers by polymer blend technique. <i>Polymer</i> , <b>2001</b> , 42, 2255-2258	3.9	16
91	Structure and properties of PP/CaSO <sub>4</sub> composite Part III: Effect of the filler grade on properties. <i>Journal of Materials Science</i> , <b>2000</b> , 35, 2319-2323	4.3	16
90	Screening of polymer-plasticizer systems for propellant binder applications: an experimental and simulation approach. <i>Journal of Energetic Materials</i> , <b>2019</b> , 37, 365-377	1.6	15
89	Electrocatalytic properties of the ion beam irradiated conducting polypyrrole. <i>Chemical Physics Letters</i> , <b>2001</b> , 341, 518-522	2.5	15
88	Effect of dye aggregation on the photosensitization effect of conducting polypyrrole sensitized with Prussian Blue. <i>Materials Chemistry and Physics</i> , <b>2001</b> , 70, 150-155	4.4	15
87	Polymer induced crystallization III. PEO-CdCl <sub>2</sub> and in situ formation of PEO-CdS composite. <i>Journal of Crystal Growth</i> , <b>1994</b> , 141, 437-442	1.6	15
86	Role of dopant ions in electrocatalytic oxidation of methanol using conducting polypyrrole electrodes. <i>Journal of Power Sources</i> , <b>2006</b> , 155, 157-160	8.9	14
85	Structure and morphology of polycarbonate synthesized by solid state polycondensation. <i>Polymer</i> , <b>1994</b> , 35, 3789-3791	3.9	14
84	Crystallization behaviour of poly(phenylene sulphide)/polystyrene blend. <i>European Polymer Journal</i> , <b>1987</b> , 23, 819-824	5.2	14
83	Poly(thiophenes) functionalised with thiazole heterocycles as electroluminescent polymers. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 2990		13
82	Novel polymer-inorganic solid-state reaction for the synthesis of CdS nanocrystallites. <i>Materials Letters</i> , <b>2005</b> , 59, 554-559	3.3	13
81	Continuous UV cure monitoring and dielectric properties of photocross-linked epoxy/acrylate resins. <i>Journal of Applied Polymer Science</i> , <b>1994</b> , 51, 863-871	2.9	13
80	Quantum Chemical Studies on Energetic Azo-Bridged Azoles. <i>Journal of Energetic Materials</i> , <b>2013</b> , 31, 35-48	1.6	12

79	Crystallization behavior of polyethylene oxide/para-nitroaniline microdispersed composites. <i>Journal of Applied Polymer Science</i> , <b>1997</b> , 65, 1127-1137	2.9	12
78	Polymer-mediated synthesis of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nano-particles. <i>Polyhedron</i> , <b>2001</b> , 20, 1489-1494	2.7	12
77	Stabilization of high conductivity in iodine doped polyphenylene sulfide. <i>Journal of Polymer Science, Part C: Polymer Letters</i> , <b>1989</b> , 27, 127-131		12
76	Effect of iodine on electrical conduction in polyvinyl fluoride films. <i>Journal Physics D: Applied Physics</i> , <b>1982</b> , 15, 2499-2503	3	12
75	Quantum-chemical design of tetrazolo[1,5-b][1,2,4,5]tetrazine based nitrogen-rich energetic materials. <i>Computational and Theoretical Chemistry</i> , <b>2015</b> , 1054, 55-62	2	11
74	Structure-optical, thermal properties studies on thiophene containing benzothiazole groups. <i>Organic Electronics</i> , <b>2004</b> , 5, 227-235	3.5	11
73	Polypyrrole in poly(ethylene oxide) gels with copper(ii) chloride: a hybrid conducting polymer. <i>Polymer</i> , <b>1995</b> , 36, 707-712	3.9	11
72	Polyphenylene sulfide-graphite hybrid composites: Charge transport and impedance characteristics. <i>International Journal of Plastics Technology</i> , <b>2010</b> , 14, 37-44	2.7	10
71	Anisotropy of conductivity in polypyrrole deposited on crystalline poly(ethylene oxide)-copper(II) chloride complex and its blend. <i>Thin Solid Films</i> , <b>1995</b> , 263, 243-247	2.2	10
70	Effect of Morphology on the dielectric properties of a segmented copolyester. <i>European Polymer Journal</i> , <b>1991</b> , 27, 291-297	5.2	10
69	Spherical 3-nitro-1,2,4-triazol-5-one (NTO) based melt-cast compositions: heralding a new era of shock insensitive energetic materials. <i>RSC Advances</i> , <b>2015</b> , 5, 101647-101655	3.7	9
68	Polyaniline modified electrodes for detection of dyes. <i>Synthetic Metals</i> , <b>2011</b> , 161, 659-664	3.6	9
67	Dopant induced effect on electrocatalytic reduction of nitrobenzene using conducting polypyrrole thin film electrodes. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 719-724	2.9	9
66	Long-term aging and stability of conductivity in vapour phase deposited polypyrrole films. <i>Polymer Degradation and Stability</i> , <b>1997</b> , 57, 51-58	4.7	9
65	Response characteristics of conducting polypyrrole bi-layer actuators: Role of backing layer polymer. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 119, 94-98	8.5	9
64	Synthesis, Structure and Band Gap of Novel Thiophene Based Conductive Polymers. <i>Molecular Crystals and Liquid Crystals</i> , <b>2003</b> , 390, 113-120	0.5	9
63	Switching and negative capacitance in Al-Ge <sub>15</sub> Te <sub>81</sub> Sb <sub>2</sub> S <sub>2</sub> -Al devices. <i>Journal Physics D: Applied Physics</i> , <b>1983</b> , 16, 897-908	3	9
62	Effect of the surface roughness of conducting polypyrrole thin-film electrodes on the electrocatalytic reduction of nitrobenzene. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1875-1881	2.9	8

61	Structure-property relationships of electroluminescent polythiophenes: role of nitrogen-based heterocycles as side chains. <i>Bulletin of Materials Science</i> , <b>2011</b> , 34, 713-726	1.7	8
60	Role of ionic diffusion in polymer gel mediated growth (PMG) technique for the synthesis of nanoparticulate fillers. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 105, 348-353	4.4	8
59	Structure-property studies and orientation effects of polythiophenes containing mesogenic side chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 1463-1477	2.6	8
58	Crystallization Behavior in Poly(propylene) Containing Wollastonite Microfibrils. <i>Macromolecular Materials and Engineering</i> , <b>2002</b> , 287, 272	3.9	8
57	Sensitization effect in conducting polyaniline by rhodamine 6G. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2002</b> , 13, 735-741	2.1	8
56	Solid state electrochemical reaction in photocells made using conducting polyaniline and sensitized with methylene blue. <i>Journal of Solid State Electrochemistry</i> , <b>2003</b> , 7, 166-170	2.6	8
55	Development of a Transcrystalline Phase in Poly(propylene) at the PET Interface. <i>Macromolecular Materials and Engineering</i> , <b>2001</b> , 286, 1-4	3.9	8
54	Structural investigations of powder processed poly(phenylene sulfide) blends. <i>Polymer Engineering and Science</i> , <b>1987</b> , 27, 547-552	2.3	8
53	Evaluation studies on partial replacement of RDX by spherical NTO in HTPB-based insensitive sheet explosive formulation. <i>Journal of Energetic Materials</i> , <b>2019</b> , 37, 320-330	1.6	7
52	Solution-blended polyethersulfone-graphite hybrid composites: Formation of nanographite and electrical characterization. <i>Journal of Thermoplastic Composite Materials</i> , <b>2015</b> , 28, 835-848	1.9	7
51	Comparative Study on the Role of DPT on the Formation of HMX in Semi-Batch and Continuous Process. <i>Journal of Energetic Materials</i> , <b>2008</b> , 26, 102-114	1.6	7
50	Structure and properties of PP/SBS/glass fiber hybrid composites. Part I: Crystallization behavior and morphology. <i>Polymer Composites</i> , <b>2001</b> , 22, 221-231	3	7
49	Structure and properties of PP/SBS/glass fiber hybrid composites. Part II: Property measurement. <i>Polymer Composites</i> , <b>2001</b> , 22, 232-241	3	7
48	Structure development in polyvinylidene fluoride containing oxide fillers and additives. <i>Ferroelectrics</i> , <b>1993</b> , 142, 189-202	0.6	7
47	Structure, growth and morphology polyphenylene sulphide. <i>Journal of Materials Science</i> , <b>1986</b> , 21, 597-603	4.3	7
46	Modification of Crystallinity and Structure in Powder Processing of Polytetra Fluoroethylene. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>1986</b> , 11, 79-94	3	7
45	Semiconducting behavior of polyphenylene sulfide doped with ferric chloride. <i>Journal of Macromolecular Science - Physics</i> , <b>1988</b> , 27, 291-303	1.4	7
44	Role of chloride ions in the anodic oxidation of aluminium. <i>Journal Physics D: Applied Physics</i> , <b>1984</b> , 17, 209-217	3	7

43	Polyphenylene sulfide- expanded graphite nanocomposites: Processing route dependent electrical percolation. <i>Journal of Thermoplastic Composite Materials</i> , <b>2017</b> , 30, 1603-1614	1.9	6
42	Computational study on energetic properties of nitro derivatives of furan substituted azoles. <i>Structural Chemistry</i> , <b>2012</b> , 23, 749-754	1.8	6
41	Effect of substrate preconditioning on charge transport at the phthalocyanine conducting polymer film interface. <i>Thin Solid Films</i> , <b>1999</b> , 347, 229-232	2.2	6
40	Effect of curing on the internal structure of polyphenylene sulphide coatings. <i>Thin Solid Films</i> , <b>1986</b> , 142, 213-226	2.2	6
39	Curing behaviour of conducting polymer composite. <i>Journal of Materials Science Letters</i> , <b>1987</b> , 6, 145-148		6
38	Quantum-Chemical Studies on TATB Processes. <i>Journal of Energetic Materials</i> , <b>2010</b> , 28, 98-113	1.6	5
37	Thermal Degradation Studies of Polythiophenes Containing Hetero Aromatic Side Chains. <i>International Journal of Thermophysics</i> , <b>2009</b> , 30, 1074-1087	2.1	5
36	Effect of dopant ions on piezo-response of polyaniline-poly(vinylidene fluoride) blends <b>2002</b> ,		5
35	Investigation of cure in epoxy acrylate resins using rheological and dielectric measurements. <i>Polymer Engineering and Science</i> , <b>1995</b> , 35, 184-189	2.3	5
34	Molecular ordering in electrochemically synthesized conducting copolymer of pyrrole with N-phenyl maleimide. <i>Solid State Communications</i> , <b>1992</b> , 84, 911-915	1.6	5
33	Dielectric monitoring of the curing process in cyanoacrylate resin. <i>Polymer Engineering and Science</i> , <b>1993</b> , 33, 125-131	2.3	5
32	Crystallization behaviour of aromatic copolyester modified with alicyclic diol. <i>European Polymer Journal</i> , <b>1986</b> , 22, 67-70	5.2	5
31	Effect of moulding pressure on crystallinity in powder processing of semicrystalline polymers. <i>Angewandte Makromolekulare Chemie</i> , <b>1986</b> , 141, 49-56		5
30	Effect of injection contacts on depolarization behaviour of solution grown polyvinylfluoride films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1981</b> , 86, 383-385	2.3	5
29	Polypropylene-based conducting nanocomposites: Effect of aspect ratio of second conducting filler on the electrical percolation. <i>Journal of Thermoplastic Composite Materials</i> , <b>2017</b> , 30, 840-854	1.9	4
28	Origin of the photocathodic effect at CdS + CuCl electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1989</b> , 260, 433-440		4
27	Analysis of electrical and thermal conductivities of polyethersulfone-graphite based hybrid nanocomposites. <i>Macromolecular Research</i> , <b>2017</b> , 25, 311-316	1.9	3
26	The photoelectrochemical studies on CdS: Cu: Cl electrodes: Importance of photoconductivity effects. <i>Solar Energy Materials and Solar Cells</i> , <b>1988</b> , 18, 37-51		3



25	Surface charge decay characteristics in polyvinyl acetate films. <i>Physica Status Solidi A</i> , <b>1981</b> , 68, 117-121		3
24	Development of nanofibrous morphology in LDPE/LLDPE/PP blends and its effect on mechanical properties of blend films. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 4005-4012	2.9	2
23	Effect of dopant ions on thermal stability of conducting poly(o-phenitidine). <i>Polymer Degradation and Stability</i> , <b>2001</b> , 73, 7-13	4.7	2
22	Structure, growth, and morphology in para nitroaniline dispersed polymethyl methacrylate guest-host NLO composites. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 74, 3522-3534	2.9	2
21	Structure development in processing of polypropylene films with additives. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 58, 571-577	2.9	2
20	Matrix mediated control of morphology in para-nitroaniline dispersed polymeric composites. <i>Materials Letters</i> , <b>1996</b> , 28, 341-346	3.3	2
19	Crystalline Structure and Phase Transformation in Powder Processing of Polyvinylidene Fluoride with Fillers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>1987</b> , 11, 281-294	3	2
18	Electronic conduction in dye-sensitized selenium films. <i>Physica Status Solidi A</i> , <b>1979</b> , 55, 635-638		2
17	PBAT/PLA/HNT filled blends for active food packaging. <i>Materials Research Express</i> , <b>2019</b> , 6, 125378	1.7	2
16	Effect of casting solvent on the structure development, electrical, thermal behavior of polyvinylidene fluoride (PVDF)Carbon nanofiber (CNF) conducting binary and hybrid nanocomposites. <i>Polymer Bulletin</i> , <b>2021</b> , 78, 1735-1751	2.4	2
15	Understanding A and B-site engineered lead-free Ba(1-x)CaxZryTi(1-y)O3 piezoceramics: a perspective from DFT. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 4248-4259	7.1	2
14	Electrical Properties of Conducting Polymer-MWCNT Binary and Hybrid Nanocomposites <b>2017</b> , 127-143		1
13	Polymer mediated growth and morphology in MNA/PMMA guest/host microdispersed composites. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 80, 1547-1557	2.9	1
12	Structure, growth and morphology of polyphenylene sulphide. <i>Journal of Materials Science</i> , <b>1990</b> , 25, 337-342	4.3	1
11	Photopolarization process in orthorhombic lead monoxide. <i>Materials Letters</i> , <b>1982</b> , 1, 11-13	3.3	1
10	Melt rheological studies of polypropylene filled with coconut water treated and untreated fly ash. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	1
9	Studies on effective utilization of Citrus Maxima fibers based PVC composites. <i>Materials Today: Proceedings</i> , <b>2021</b> , 42, 578-583	1.4	1
8	Molecular dynamics simulations on polythiophenes for chemical sensing applications. <i>Molecular Simulation</i> , <b>2010</b> , 36, 63-68	2	

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