

Uttandaraman Sundararaj

List of Publications by Year in descending order

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211
papers

14,658
citations

30070

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20961

115
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215
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215
docs citations

215
times ranked

11432
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive wearable sensor with novel hybrid structures of silver nanowires and carbon nanotubes in fluoroelastomer: Multi-directional sensing for human health monitoring and stretchable electronics. Applied Materials Today, 2022, 26, 101295.	4.3	22
2	The Role of Phase Migration of Carbon Nanotubes in Melt-Mixed PVDF/PE Polymer Blends for High Conductivity and EMI Shielding Applications. Molecules, 2022, 27, 933.	3.8	15
3	Multilayer polymeric nanocomposite thin film heater and electromagnetic interference shield. Chemical Engineering Journal, 2022, 435, 134598.	12.7	22
4	Transformation of petroleum asphaltenes to carbon fibers. Carbon, 2022, 190, 92-103.	10.3	28
5	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquidâ€inâ€Liquid Printing. Advanced Materials Interfaces, 2022, 9, .	3.7	15
6	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquidâ€inâ€Liquid Printing (Adv.) Tj ETQq0.0 0 rgBT ₁ /Overlock	3.7	1
7	Covalently crossâ€linked hydrogels: Mechanisms of nonlinear viscoelasticity. Canadian Journal of Chemical Engineering, 2022, 100, 3227-3239.	1.7	8
8	Structured Ultraâ€Flyweight Aerogels by Interfacial Complexation: Selfâ€Assembly Enabling Multiscale Designs. Small, 2022, 18, e2200220.	10.0	14
9	Exploring the effect of block copolymer architecture and concentration on the microstructure, electrical conductivity and rheological properties of PP/PS blend nanocomposites. Functional Composite Materials, 2022, 3, .	1.4	3
10	New insight to polymer transport in porous media to enhance heavy oil recovery: Lab experiment and numerical simulation. Fuel, 2022, 322, 124257.	6.4	7
11	Structured Ultraâ€Flyweight Aerogels by Interfacial Complexation: Selfâ€Assembly Enabling Multiscale Designs (Small 20/2022). Small, 2022, 18, .	10.0	1
12	Large amplitude oscillatory shear flow: Microstructural assessment of polymeric systems. Progress in Polymer Science, 2022, 132, 101580.	24.7	27
13	Xâ€band dielectric properties of hybrid nanocomposites of nitrogenâ€doped carbon nanotube/functionalized nanoclay/polyvinylidene fluoride nanocomposite. Polymer Composites, 2021, 42, 1034-1048.	4.6	11
14	Effect of secondary filler properties and geometry on the electrical, dielectric, and electromagnetic interference shielding properties of carbon nanotubes/polyvinylidene fluoride nanocomposites. Polymer Engineering and Science, 2021, 61, 959-970.	3.1	26
15	Viscoelastic properties of poly (vinyl alcohol) hydrogels with cellulose nanocrystals fabricated through sodium chloride addition: Rheological evidence of double network formation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125577.	4.7	57
16	Morphology Evolution, Molecular Simulation, Electrical Properties, and Rheology of Carbon Nanotube/Polypropylene/Polystyrene Blend Nanocomposites: Effect of Molecular Interaction between Styrene-Butadiene Block Copolymer and Carbon Nanotube. Polymers, 2021, 13, 230.	4.5	10
17	Superiority of graphite coated metallic-nanoparticles over graphite coated insulating-nanoparticles for enhancing EMI shielding. New Journal of Chemistry, 2021, 45, 4592-4600.	2.8	9
18	Improved synthesis of Ti₃C₂T_x MXenes resulting in exceptional electrical conductivity, high synthesis yield, and enhanced capacitance. Nanoscale, 2021, 13, 3572-3580.	5.6	228

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19	Special issue in honor of Professor Christopher W. Macosko. Polymer Engineering and Science, 2021, 61, 923-925.	3.1	0
20	Viscoelastic behavior of covalently crosslinked hydrogels under large shear deformations: An approach to eliminate wall slip. Physics of Fluids, 2021, 33, .	4.0	20
21	Synthesis and characterization of a novel nickel pillared-clay catalyst: In-situ carbon nanotube-clay hybrid nanofiller from Ni-PILC. Applied Clay Science, 2021, 205, 106064.	5.2	11
22	Electrochemically Exfoliated Graphite Nanosheet Films for Electromagnetic Interference Shields. ACS Applied Nano Materials, 2021, 4, 7221-7233.	5.0	12
23	Waste to Value-Added Product: Developing Electrically Conductive Nanocomposites Using a Non-Recyclable Plastic Waste Containing Vulcanized Rubber. Polymers, 2021, 13, 2427.	4.5	5
24	Interface Strengthening of PS/aPA Polymer Blend Nanocomposites via In Situ Compatibilization: Enhancement of Electrical and Rheological Properties. Materials, 2021, 14, 4813.	2.9	5
25	Hybrid energy storage using nitrogen-doped graphene and layered-MXene (Ti3C2) for stable high-rate supercapacitors. Electrochimica Acta, 2021, 388, 138664.	5.2	22
26	Efficient inductively heated shape memory polyurethane acrylate network with silane modified nanodiamond@Fe3O4 superparamagnetic nanohybrid. European Polymer Journal, 2021, 159, 110735.	5.4	10
27	Reply to comments on: Synthesis and characterization of a novel nickel pillared-clay catalyst: In-situ carbon nanotube-clay hybrid nanofiller from Ni-PILC. Applied Clay Science, 2021, 213, 106268.	5.2	0
28	Outstanding in-situ CNTs on Fe-pillared nanoclay for high-performance polymer nanocomposites. Applied Clay Science, 2021, 213, 106240.	5.2	3
29	Role of temperature on bio-printability of gelatin methacryloyl bioink in two-step cross-linking strategy for tissue engineering applications. Biomedical Materials (Bristol), 2021, 16, 015021.	3.3	30
30	Dielectrorheology of Aspect-Ratio-Tailored Carbon Nanotube/Polyethylene Composites under Large Deformations: Implications for High-Temperature Dielectrics. ACS Applied Nano Materials, 2021, 4, 11493-11504.	5.0	11
31	A Simple Approach to Control the Physical and Chemical Features of Custom-Synthesized N-Doped Carbon Nanotubes and the Extent of Their Network Formation in Polymers: The Importance of Catalyst to Substrate Ratio. Polymers, 2021, 13, 4156.	4.5	2
32	Tailoring MWCNT Dispersion, Blend Morphology and EMI Shielding Properties by Sequential Mixing Strategy in Immiscible PS/PVDF Blends. Journal of Electronic Materials, 2020, 49, 1588-1600.	2.2	31
33	Synthesis of a high-temperature stable electrochemically exfoliated graphene. Carbon, 2020, 157, 681-692.	10.3	55
34	Application of graphene oxide nanosheets and HPAM aqueous dispersion for improving heavy oil recovery: Effect of localized functionalization. Fuel, 2020, 265, 116918.	6.4	47
35	A novel self-expanding primarily bioabsorbable braided flow-diverting stent for aneurysms: initial safety results. Journal of NeuroInterventional Surgery, 2020, 12, 700-705.	3.3	14
36	Effect of nitrogen doping on medium-amplitude oscillatory shear (MAOS) response of nanotube/polyvinylidene fluoride nanocomposites: Molecular simulations, rheology, and broadband electrical conductivity. Journal of Rheology, 2020, 64, 1343-1356.	2.6	0

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37	Nitrogen-doped carbon nanotubes towards electrochemical sensing: Effect of synthesis temperature. Diamond and Related Materials, 2020, 110, 108093.	3.9	7
38	Intra-Cycle Elastic Nonlinearity of Nitrogen-Doped Carbon Nanotube/Polymer Nanocomposites under Medium Amplitude Oscillatory Shear (MAOS) Flow. Nanomaterials, 2020, 10, 1257.	4.1	19
39	Carbon nanotube/ZnO nanowire/polyvinylidene fluoride hybrid nanocomposites for enhanced electromagnetic interference shielding. Canadian Journal of Chemical Engineering, 2020, 98, 1036-1046.	1.7	25
40	Interface Bridging of Multiwalled Carbon Nanotubes in Polylactic Acid/Poly(butylene) Terephthalate/Overlock 10 Tf 50 627 Td (adipic acid) Macromolecules, 2020, 53, 10267-10277.	4.8	39
41	Highly biocompatible multifunctional hybrid nanoparticles based on Fe ₃ O ₄ decorated nanodiamond with superior superparamagnetic behaviors and photoluminescent properties. Materials Science and Engineering C, 2020, 114, 110993.	7.3	22
42	Filler-Free Conducting Polymers as a New Class of Transparent Electromagnetic Interference Shields. ACS Applied Materials & Interfaces, 2020, 12, 28596-28606.	8.0	50
43	The key role of processing in tuning nonlinear viscoelastic properties and microwave absorption in CNT-based polymer nanocomposites. Materials Today Communications, 2020, 24, 101010.	1.9	31
44	In situ chemical polymerization of conducting polymer nanocomposites: Effect of DNA-functionalized carbon nanotubes and nitrogen-doped graphene as catalytic molecular templates. Chemical Engineering Journal, 2020, 389, 124500.	12.7	21
45	Highly Sensitive and Stretchable Carbon Nanotube/Fluoroelastomer Nanocomposite with a Double-Percolated Network for Wearable Electronics. Advanced Electronic Materials, 2020, 6, 1901067.	5.1	41
46	Development and Characterization of Stable Polymer Formulations for Manufacturing Magnetic Composites. Journal of Manufacturing and Materials Processing, 2020, 4, 4.	2.2	14
47	Effect of morphology and role of conductivity of embedded metallic nanoparticles on electromagnetic interference shielding of PVDF-carbonaceous-nanofiller composites. Carbon, 2020, 164, 357-368.	10.3	67
48	Co-Doped Electrochemically Exfoliated Graphene/Polymer Nanocomposites with High Dielectric Constant and Low Dielectric Loss for Flexible Dielectrics and Charge Storage. ACS Applied Nano Materials, 2020, 3, 4512-4521.	5.0	20
49	Nonlinear viscoelastic characterization of charged cellulose nanocrystal network structure in the presence of salt in aqueous media. Cellulose, 2020, 27, 5729-5743.	4.9	42
50	Polymeric-nanofluids stabilized emulsions: Interfacial versus bulk rheology. Journal of Colloid and Interface Science, 2020, 576, 252-263.	9.4	32
51	Nitrogen-Doped Carbon Nanotube/Polypropylene Composites with Negative Seebeck Coefficient. Journal of Composites Science, 2020, 4, 14.	3.0	22
52	A novel electrically conductive water borne epoxy nanocomposite coating based on graphene: facile method and high efficient graphene dispersion. Progress in Organic Coatings, 2019, 136, 105223.	3.9	17
53	Bio-based UV curable polyurethane acrylate: Morphology and shape memory behaviors. European Polymer Journal, 2019, 118, 514-527.	5.4	34
54	Enhanced Sensitivity of Dopamine Biosensors: An Electrochemical Approach Based on Nanocomposite Electrodes Comprising Polyaniline, Nitrogen-Doped Graphene, and DNA-Functionalized Carbon Nanotubes. Journal of the Electrochemical Society, 2019, 166, B1415-B1425.	2.9	29

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55	Tuning the Network Structure of Graphene/Epoxy Nanocomposites by Controlling Edge/Basal Localization of Functional Groups. Industrial & Engineering Chemistry Research, 2019, 58, 21431-21440.	3.7	24
56	Dual functionality of hierarchical hybrid networks of multiwall carbon nanotubes anchored magnetite particles in soft polymer nanocomposites: Simultaneous enhancement in charge storage and microwave absorption. Composites Science and Technology, 2019, 183, 107802.	7.8	18
57	Structural Characterization of CVD Custom-Synthesized Carbon Nanotube/Polymer Nanocomposites in Large-Amplitude Oscillatory Shear (LAOS) Mode: Effect of Dispersion Characteristics in Confined Geometries. Macromolecules, 2019, 52, 1489-1504.	4.8	39
58	Enhancing absorption dominated microwave shielding in Co@C-PVDF nanocomposites through improved magnetization and graphitization of the Co@C-nanoparticles. Physical Chemistry Chemical Physics, 2019, 21, 15595-15608.	2.8	57
59	Carbon Nanotube versus Graphene Nanoribbon: Impact of Nanofiller Geometry on Electromagnetic Interference Shielding of Polyvinylidene Fluoride Nanocomposites. Polymers, 2019, 11, 1064.	4.5	32
60	Direct 3D Printing of Hybrid Nanofiber-Based Nanocomposites for Highly Conductive and Shape Memory Applications. ACS Applied Materials & Interfaces, 2019, 11, 24523-24532.	8.0	119
61	Heavy oil recovery by surface modified silica nanoparticle/HPAM nanofluids. Fuel, 2019, 252, 622-634.	6.4	47
62	High Dielectric Constant and Low Dielectric Loss via Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (alcohol)/Ti₃>C₃> Materials & Interfaces, 2019, 11, 18599-18608.	8.0	157
63	Enhanced electromagnetic interference shielding effectiveness of hybrid fillers by segregated structure. AIP Conference Proceedings, 2019, , .	0.4	7
64	Effect of Processing Techniques on EMI SE of Immiscible PS/PMMA Blends Containing MWCNT: Enhanced Intertube and Interphase Scattering. Industrial & Engineering Chemistry Research, 2019, 58, 11576-11584.	3.7	50
65	Synergistic effect of hybrid stainless steel fiber and carbon nanotube on mechanical properties and electromagnetic interference shielding of polypropylene nanocomposites. Composites Part B: Engineering, 2019, 165, 662-670.	12.0	73
66	Prevention of network destruction of partially hydrolyzed polyacrylamide (HPAM): Effects of salt, temperature, and fumed silica nanoparticles. Physics of Fluids, 2019, 31, .	4.0	44
67	Synergistic Effect of Hybrid Long Silver Nanowires and Carbon Nanotubes on Strain Sensing Behavior of Fluoroelastomer Nanocomposites. , 2019, , .		2
68	Electrical conductivity of electrospun nanofiber mats of polyamide 6/polyaniline coated with nitrogen-doped carbon nanotubes. Materials and Design, 2018, 141, 333-341.	7.0	38
69	Nanofibers of poly(vinylidene fluoride)/copper nanowire: Microstructural analysis and dielectric behavior. European Polymer Journal, 2018, 101, 46-55.	5.4	12
70	Application of nonlinear rheology to assess the effect of secondary nanofiller on network structure of hybrid polymer nanocomposites. Physics of Fluids, 2018, 30, .	4.0	58
71	Ultrasound-assisted synthesis and characterization of magnetite nanoparticles and poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 467 Td (alcohol)/Ti₃>C₃> Materials & Interfaces, 2019, 11, 18599-18608.	8.2	39
72	Silane functionalization of sodium montmorillonite nanoclay: The effect of dispersing media on intercalation and chemical grafting. Applied Clay Science, 2018, 153, 228-238.	5.2	56

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73	Effect of carbon nanotubes on electromagnetic interference shielding of carbon fiber reinforced polymer composites. <i>Polymer Composites</i> , 2018, 39, E655.	4.6	39
74	Electrified single-walled carbon nanotube/epoxy nanocomposite via vacuum shock technique: Effect of alignment on electrical conductivity and electromagnetic interference shielding. <i>Polymer Composites</i> , 2018, 39, E1139.	4.6	47
75	Pre-exfoliated nanoclay through two consecutive reaction systems: Silane functionalization followed by grafting of amino acid monomers. <i>Applied Clay Science</i> , 2018, 151, 81-91.	5.2	16
76	Tuneable Dielectric Properties Derived from Nitrogen-Doped Carbon Nanotubes in PVDF-Based Nanocomposites. <i>ACS Omega</i> , 2018, 3, 9966-9980.	3.5	16
77	Rheology of fumed silica nanoparticles/partially hydrolyzed polyacrylamide aqueous solutions under small and large amplitude oscillatory shear deformations. <i>Journal of Rheology</i> , 2018, 62, 1197-1216.	2.6	39
78	Three-dimensional printing of highly conductive polymer nanocomposites for EMI shielding applications. <i>Materials Today Communications</i> , 2017, 11, 112-118.	1.9	138
79	Carbon nanotube induced double percolation in polymer blends: Morphology, rheology and broadband dielectric properties. <i>Polymer</i> , 2017, 114, 122-134.	3.8	106
80	Effect of Nanofiller Geometry on Network Formation in Polymeric Nanocomposites: Comparison of Rheological and Electrical Properties of Multiwalled Carbon Nanotube and Graphene Nanoribbon. <i>Macromolecules</i> , 2017, 50, 3954-3967.	4.8	75
81	Impact of synthesis temperature on morphology, rheology and electromagnetic interference shielding of CVD-grown carbon nanotube/polyvinylidene fluoride nanocomposites. <i>Synthetic Metals</i> , 2017, 230, 39-50.	3.9	45
82	Segregated Hybrid Poly(methyl methacrylate)/Graphene/Magnetite Nanocomposites for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14171-14179.	8.0	291
83	Silver Nanowire/MnO ₂ Nanowire Hybrid Polymer Nanocomposites: Materials with High Dielectric Permittivity and Low Dielectric Loss. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14328-14336.	8.0	77
84	Significance of interfacial interaction and agglomerates on electrical properties of polymer-carbon nanotube nanocomposites. <i>Materials and Design</i> , 2017, 125, 126-134.	7.0	79
85	Enhanced Dielectric Performance of Polymer Nanocomposites Based on CNT/MnO ₂ Nanowire Hybrid Nanostructure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8327-8334.	3.1	44
86	Verapamil eluting stents as a possible treatment for vasospasm after subarachnoid hemorrhage. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 875-879.	3.3	5
87	Carbon Nanotube/Graphene Nanoribbon/Polyvinylidene Fluoride Hybrid Nanocomposites: Rheological and Dielectric Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 169-181.	3.1	65
88	Tunable electrical conductivity of polystyrene/polyamide-6/carbon nanotube blend nanocomposites via control of morphology and nanofiller localization. <i>European Polymer Journal</i> , 2017, 95, 418-429.	5.4	47
89	Quantitative analysis of nanoscale electrical properties of CNT/PVDF nanocomposites by current sensing AFM. <i>RSC Advances</i> , 2017, 7, 32564-32573.	3.6	4
90	Direct Creation of Highly Conductive Laser-Induced Graphene Nanocomposites from Polymer Blends. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700176.	3.9	16

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91	Effect of carbon nanotubes on morphology evolution of polypropylene/polystyrene blends: understanding molecular interactions and carbon nanotube migration mechanisms. RSC Advances, 2017, 7, 54222-54234.	3.6	12
92	Cobalt Catalyst Grown Carbon Nanotube/Poly(Vinylidene Fluoride) Nanocomposites: Effect of Synthesis Temperature on Morphology, Electrical Conductivity and Electromagnetic Interference Shielding. ChemistrySelect, 2017, 2, 10271-10284.	1.5	34
93	DC electrorheological response of polyethylene/organically modified layered silicate nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1298-1309.	2.1	3
94	Silane functionalization of sodium montmorillonite nanoclay and its effect on rheological and mechanical properties of HDPE/clay nanocomposites. Applied Clay Science, 2017, 146, 439-448.	5.2	80
95	Chemical engineering in Canada: A special <i>Can. J. Chem. Eng</i>. virtual issue. Canadian Journal of Chemical Engineering, 2017, 95, 1432-1433.	1.7	1
96	Dielectric properties of multiwalled carbon nanotube/clay/polyvinylidene fluoride nanocomposites: Effect of clay incorporation. Polymer Composites, 2016, 37, 161-167.	4.6	30
97	Macromol. Mater. Eng. 5/2016. Macromolecular Materials and Engineering, 2016, 301, 640-640.	3.6	0
98	Employing Nitrogen Doping as Innovative Technique to Improve Broadband Dielectric Properties of Carbon Nanotube/Polymer Nanocomposites. Macromolecular Materials and Engineering, 2016, 301, 555-565.	3.6	44
99	Grafting of sodium montmorillonite with γ -aminopropyltriethoxysilane in ethanol/water dispersing medium. AIP Conference Proceedings, 2016, , .	0.4	1
100	Effects of synthesis catalyst and temperature on broadband dielectric properties of nitrogen-doped carbon nanotube/polyvinylidene fluoride nanocomposites. Carbon, 2016, 106, 260-278.	10.3	99
101	On the possibility of electrochemical unzipping of multiwalled carbon nanotubes to produce graphene nanoribbons. Materials Research Bulletin, 2016, 80, 243-248.	5.2	6
102	Magnetic Mesoporous Photonic Cellulose Films. Langmuir, 2016, 32, 9329-9334.	3.5	14
103	Assembling copper nanowires at the interface and in discrete phases in PLA-based polymer blends. European Polymer Journal, 2016, 85, 187-197.	5.4	15
104	Critical insights into understanding the effects of synthesis temperature and nitrogen doping towards charge storage capability and microwave shielding in nitrogen-doped carbon nanotube/polymer nanocomposites. RSC Advances, 2016, 6, 63224-63234.	3.6	23
105	Influence of Melt-Mixing Process Conditions on Mechanical Performance of Organoclay/Fluoroelastomer Nanocomposites. International Polymer Processing, 2016, 31, 2-10.	0.5	2
106	Impact of BaTiO ₃ as insulative ferroelectric barrier on the broadband dielectric properties of MWCNT/PVDF nanocomposites. Polymer Composites, 2016, 37, 299-304.	4.6	34
107	Enhancing electrical properties of MWCNTs in immiscible blends of poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.6	8
108	Effect of synthesis catalyst on structure of nitrogen-doped carbon nanotubes and electrical conductivity and electromagnetic interference shielding of their polymeric nanocomposites. Carbon, 2016, 98, 358-372.	10.3	202

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109	Nitrogen/sulfur co-doped helical graphene nanoribbons for efficient oxygen reduction in alkaline and acidic electrolytes. Carbon, 2016, 100, 99-108.	10.3	64
110	Improvement of barrier properties of rotomolded PE containers with nanoclay. AIP Conference Proceedings, 2015, , .	0.4	4
111	A new approach for conductive network formation in electrospun poly(vinylidene fluoride) nanofibers. Polymer International, 2015, 64, 1262-1267.	3.1	13
112	Helical and Dendritic Unzipping of Carbon Nanotubes: A Route to Nitrogen-Doped Graphene Nanoribbons. ACS Nano, 2015, 9, 5833-5845.	14.6	59
113	Controlling Short-Range Interactions by Tuning Surface Chemistry in HDPE/Graphene Nanoribbon Nanocomposites. Journal of Physical Chemistry B, 2015, 119, 11867-11878.	2.6	23
114	Investigation of Chaotic Mixing for MWCNT/Polymer Composites. Macromolecular Materials and Engineering, 2015, 300, 482-496.	3.6	13
115	Modification of Montmorillonite with Alkyl Silanes and Fluorosurfactant for Clay/fluoroelastomer (FKM) Nanocomposites. Clays and Clay Minerals, 2015, 63, 1-14.	1.3	17
116	Effects of Nitrogen Doping on X-band Dielectric Properties of Carbon Nanotube/Polymer Nanocomposites. ACS Applied Materials & Interfaces, 2015, 7, 17844-17850.	8.0	67
117	Outstanding electromagnetic interference shielding of silver nanowires: comparison with carbon nanotubes. RSC Advances, 2015, 5, 56590-56598.	3.6	88
118	Boron/Nitrogen Co-Doped Helically Unzipped Multiwalled Carbon Nanotubes as Efficient Electrocatalyst for Oxygen Reduction. ACS Applied Materials & Interfaces, 2015, 7, 7786-7794.	8.0	85
119	Novel electrical conductive hybrid nanostructures based on <scp>PA</scp> 6/<scp>MWCNT_{COOH}</scp> electrospun nanofibers and anchored <scp>MWCNT_{COOH}</scp>. Polymer Engineering and Science, 2015, 55, 1263-1272.	3.1	8
120	Electromagnetic interference shielding of Nitrogen-doped and Undoped carbon nanotube/polyvinylidene fluoride nanocomposites: A comparative study. Composites Science and Technology, 2015, 118, 257-263.	7.8	80
121	Broadband dielectric properties of multiwalled carbon nanotube/polystyrene composites. Polymer Engineering and Science, 2015, 55, 173-179.	3.1	34
122	Effect of Nanocomposite Structures on Fracture Behavior of Epoxy-Clay Nanocomposites Prepared by Different Dispersion Methods. Journal of Nanomaterials, 2014, 2014, 1-12.	2.7	28
123	Tunneling Conductivity and Piezoresistivity of Composites Containing Randomly Dispersed Conductive Nano-Platelets. Materials, 2014, 7, 2501-2521.	2.9	109
124	Effect of Temperature on Electrical Resistivity of Carbon Nanotubes and Graphene Nanoplatelets Nanocomposites. Journal of Nanotechnology in Engineering and Medicine, 2014, 5, .	0.8	18
125	PVDF/Carbonnanotubes/Nanoclay Composites for Piezoelectric Applications. International Polymer Processing, 2014, 29, 81-87.	0.5	5
126	Morphology and mechanical properties of nanostructured acrylic tri-block-copolymer modified epoxy. Polymer Engineering and Science, 2014, 54, 1047-1055.	3.1	31

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127	Impact of foaming on the broadband dielectric properties of multi-walled carbon nanotube/polystyrene composites. <i>Journal of Cellular Plastics</i> , 2014, 50, 551-562.	2.4	28
128	Novel composites of copper nanowire/PVDF with superior dielectric properties. <i>Polymer</i> , 2014, 55, 226-234.	3.8	146
129	The effect of temperature on the morphology and chemical surface properties of nitrogen-doped carbon nanotubes. <i>Carbon</i> , 2014, 68, 369-379.	10.3	102
130	The effects of catalyst on the morphology and physicochemical properties of nitrogen-doped carbon nanotubes. <i>Materials Letters</i> , 2014, 116, 289-292.	2.6	28
131	Tuning the curing behavior of fluoroelastomer (FKM) by incorporation of nitrogen doped graphene nanoribbons (CNx-GNRs). <i>Polymer</i> , 2014, 55, 6293-6302.	3.8	29
132	Facile one step synthesis and characterisation of high aspect ratio core-shell copper polyaniline nanowires. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 1207-1212.	1.7	8
133	Current-voltage characteristics of nanoplatelet-based conductive nanocomposites. <i>Nanoscale Research Letters</i> , 2014, 9, 369.	5.7	20
134	Coaxial electrospun nanofibers of poly(vinylidene fluoride)/polyaniline filled with multi-walled carbon nanotubes. <i>Polymer Composites</i> , 2014, 35, 1198-1203.	4.6	27
135	Electrical Permittivity and Electrical Conductivity of Multiwall Carbon Nanotube-Polyaniline (MWCNT-PANI) Core-Shell Nanofibers and MWCNT-PANI/polystyrene Composites. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1013-1020.	3.6	44
136	Rheological percolation in polystyrene composites filled with polyaniline-coated multiwall carbon nanotubes. <i>Synthetic Metals</i> , 2014, 194, 109-117.	3.9	17
137	Silver-coated copper nanowires with improved anti-oxidation property as conductive fillers in low-density polyethylene. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 630-637.	1.7	26
138	Water Transport in Polylactide and Polylactide/Montmorillonite Composites. <i>Journal of Polymers and the Environment</i> , 2013, 21, 8-15.	5.0	9
139	Carbon nanofiber/polyethylene nanocomposite: Processing behavior, microstructure and electrical properties. <i>Materials & Design</i> , 2013, 52, 128-133.	5.1	48
140	EMI shielding effectiveness of carbon based nanostructured polymeric materials: A comparative study. <i>Carbon</i> , 2013, 60, 146-156.	10.3	767
141	X-band EMI shielding mechanisms and shielding effectiveness of high structure carbon black/polypropylene composites. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 035304.	2.8	145
142	Synergic effect in electrical conductivity using a combination of two fillers in PVDF hybrids composites. <i>European Polymer Journal</i> , 2013, 49, 3318-3327.	5.4	40
143	Mode-I interlaminar fracture behaviour of nanoparticle modified epoxy/basalt fibre-reinforced laminates. <i>Polymer Testing</i> , 2013, 32, 402-412.	4.8	38
144	An innovative method to reduce the energy loss of conductive filler/polymer composites for charge storage applications. <i>Composites Science and Technology</i> , 2013, 78, 24-29.	7.8	63

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145	Morphological, electrical and electromagnetic interference shielding characterization of vapor grown carbon nanofiber/polystyrene nanocomposites. Polymer International, 2013, 62, 601-607.	3.1	18
146	Vulcanization behavior and mechanical properties of organoclay fluoroelastomer nanocomposites. Journal of Applied Polymer Science, 2012, 124, 5056-5063.	2.6	4
147	Oxidation kinetics of copper nanowires synthesized by AC electrodeposition of copper into porous aluminum oxide templates. Journal of Materials Research, 2012, 27, 1755-1762.	2.6	8
148	Electrical properties of in situ polymerized polystyrene/polyaniline composites: The effect of feeding ratio. Synthetic Metals, 2012, 162, 1177-1183.	3.9	34
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150	Comparative study of electromagnetic interference shielding properties of injection molded versus compression molded multi-walled carbon nanotube/polystyrene composites. Carbon, 2012, 50, 5126-5134.	10.3	408
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