Petra PÃ¶tschke

List of Publications by Year
in descending order

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331 papers	23,942 citations	4955 84 h-index	9090 144 g-index
336 all docs	336 docs citations	336 times ranked	14131 citing authors

#	Article	IF	Citations
1	Nonlinear Thermopower Behaviour of N-Type Carbon Nanofibres and Their Melt Mixed Polypropylene Composites. Polymers, 2022, 14, 269.	2.0	5
2	Thermoelectric Performance of Polypropylene/Carbon Nanotube/Ionic Liquid Composites and Its Dependence on Electron Beam Irradiation. Journal of Composites Science, 2022, 6, 25.	1.4	10
3	Distribution of Carbon Nanotubes in Polycarbonate-Based Blends for Electromagnetic Interference Shielding. ACS Applied Nano Materials, 2022, 5, 662-677.	2.4	18
4	CuxCo1-xFe2O4 (x = 0.33, 0.67, 1) Spinel Ferrite Nanoparticles Based Thermoplastic Polyurethane Nanocomposites with Reduced Graphene Oxide for Highly Efficient Electromagnetic Interference Shielding. International Journal of Molecular Sciences, 2022, 23, 2610.	1.8	13
5	The effect of polymer molecular weights on the electrical, rheological, and vapor sensing behavior of polycarbonate/multiâ€walled carbon nanotube nanocomposites. Polymer Composites, 2022, 43, 5095-5106.	2.3	6
6	Conductive, Strong and Tough Reduced Graphene Oxide-based composite film for infrared camouflage application. Composites Part B: Engineering, 2022, 242, 109998.	5.9	9
7	Three-Dimensional Printed and Biocompatible Conductive Composites Comprised of Polyhydroxybutyrate and Multiwalled Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2021, 60, 885-897.	1.8	12
8	Polylactic Acid/Carbon Nanoparticle Composite Filaments for Sensing. Applied Sciences (Switzerland), 2021, 11, 2580.	1.3	8
9	The Localization Behavior of Different CNTs in PC/SAN Blends Containing a Reactive Component. Molecules, 2021, 26, 1312.	1.7	2
10	High-Power All-Carbon Fully Printed and Wearable SWCNT-Based Organic Thermoelectric Generator. ACS Applied Materials & Interfaces, 2021, 13, 11151-11165.	4.0	49
11	Blend Structure and n-Type Thermoelectric Performance of PA6/SAN and PA6/PMMA Blends Filled with Singlewalled Carbon Nanotubes. Nanomaterials, 2021, 11, 1146.	1.9	9
12	Thermoelectric properties of polypropylene carbon nanofiber melt-mixed composites: exploring the role of polymer on their Seebeck coefficient. Polymer Journal, 2021, 53, 1145-1152.	1.3	7
13	A high performance flexible and robust printed thermoelectric generator based on hybridized Te nanowires with PEDOT:PSS. Applied Energy, 2021, 294, 117004.	5.1	16
14	Highly Tunable Piezoresistive Behavior of Carbon Nanotube-Containing Conductive Polymer Blend Composites Prepared from Two Polymers Exhibiting Crystallization-Induced Phase Separation. ACS Applied Materials & Interfaces, 2021, 13, 43333-43347.	4.0	8
15	Ultrathin structures derived from interfacially modified polymeric nanocomposites to curb electromagnetic pollution. Nanoscale Advances, 2021, 3, 2632-2648.	2.2	10
16	High-Performance, Lightweight, and Flexible Thermoplastic Polyurethane Nanocomposites with Zn²⁺-Substituted CoFe₂O₄ Nanoparticles and Reduced Graphene Oxide as Shielding Materials against Electromagnetic Pollution. ACS Omega, 2021, 6, 28098-28118.	1.6	22
17	Selective localization of carbon nanotubes and its effect on the structure and properties of polymer blends. Progress in Polymer Science, 2021, 123, 101471.	11.8	55
18	Graphite modified epoxy-based adhesive for joining of aluminium and PP/graphite composites. Journal of Adhesion, 2020, 96, 229-252.	1.8	1

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19	Surface modification of MWCNT and its influence on properties of paraffin/MWCNT nanocomposites as phase change material. Journal of Applied Polymer Science, 2020, 137, 48428.	1.3	31
20	MWCNT induced negative real permittivity in a copolyester of Bisphenol-A with terephthalic and isophthalic acids. Materials Research Express, 2020, 7, 015337.	0.8	7
21	Thermal annealing to influence the vapor sensing behavior of co-continuous poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.3	24
22	High-Performance Wearable Strain Sensor Based on Graphene/Cotton Fabric with High Durability and Low Detection Limit. ACS Applied Materials & Interfaces, 2020, 12, 1474-1485.	4.0	125
23	Enhancing the electrical conductivity of PP/CNT nanocomposites through crystal-induced volume exclusion effect with a slow cooling rate. Composites Part B: Engineering, 2020, 183, 107663.	5.9	67
24	Mixed Carbon Nanomaterial/Epoxy Resin for Electrically Conductive Adhesives. Journal of Composites Science, 2020, 4, 105.	1.4	5
25	Aerogels Based on Reduced Graphene Oxide/Cellulose Composites: Preparation and Vapour Sensing Abilities. Nanomaterials, 2020, 10, 1729.	1.9	9
26	Tuning the Piezoresistive Behavior of Poly(Vinylidene Fluoride)/Carbon Nanotube Composites Using Poly(Methyl Methacrylate). ACS Applied Materials & Interfaces, 2020, 12, 43125-43137.	4.0	23
27	Effect of Filler Synergy and Cast Film Extrusion Parameters on Extrudability and Direction-Dependent Conductivity of PVDF/Carbon Nanotube/Carbon Black Composites. Polymers, 2020, 12, 2992.	2.0	7
28	Lightweight Polymer-Carbon Composite Current Collector for Lithium-Ion Batteries. Batteries, 2020, 6, 60.	2.1	10
29	3D printed conductive thermoplastic polyurethane/carbon nanotube composites for capacitive and piezoresistive sensing in soft pneumatic actuators. Additive Manufacturing, 2020, 34, 101281.	1.7	54
30	Nanocomposites with p- and n-Type Conductivity Controlled by Type and Content of Nanotubes in Thermosets for Thermoelectric Applications. Nanomaterials, 2020, 10, 1144.	1.9	6
31	Does the Type of Polymer and Carbon Nanotube Structure Control the Electromagnetic Shielding in Melt-Mixed Polymer Nanocomposites?. Journal of Composites Science, 2020, 4, 9.	1.4	10
32	Boron Doping of SWCNTs as a Way to Enhance the Thermoelectric Properties of Melt-Mixed Polypropylene/SWCNT Composites. Energies, 2020, 13, 394.	1.6	20
33	Multifunctional Cellulose/rGO/Fe₃O₄ Composite Aerogels for Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2020, 12, 22088-22098.	4.0	136
34	Dispersion of graphite nanoplates in melt mixed PC/SAN polymer blends and its influence on rheological and electrical properties. Polymer, 2020, 200, 122577.	1.8	22
35	Tuning the Structure and Performance of Bulk and Porous Vapor Sensors Based on Co-continuous Carbon Nanotube-Filled Blends of Poly(vinylidene fluoride) and Polycarbonates by Varying Melt Viscosity. ACS Applied Materials & Interfaces, 2020, 12, 45404-45419.	4.0	17
36	Bio-inspired deposition of electrochemically exfoliated graphene layers for electrical resistance heating applications. Nano Express, 2020, 1, 030032.	1.2	1

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37	Messanlage zur Untersuchung des Seebeck-Effektes in Polymermaterialien. TM Technisches Messen, 2020, 87, 495-503.	0.3	17
38	Nitrogen-Doped Carbon Nanotube/Polypropylene Composites with Negative Seebeck Coefficient. Journal of Composites Science, 2020, 4, 14.	1.4	22
39	Thermal Conductivity and Electrical Resistivity of Melt-Mixed Polypropylene Composites Containing Mixtures of Carbon-Based Fillers. Polymers, 2019, 11, 1073.	2.0	42
40	Nuomici-Inspired Universal Strategy for Boosting Piezoresistive Sensitivity and Elasticity of Polymer Nanocomposite-Based Strain Sensors. ACS Applied Materials & Interfaces, 2019, 11, 35362-35370.	4.0	16
41	Development of joining methods for highly filled graphite/PP composite based bipolar plates for fuel cells: Adhesive joining and welding. AIP Conference Proceedings, 2019, , .	0.3	2
42	Improvement of electrical resistivity of highly filled graphite/PP composite based bipolar plates for fuel cells by addition of carbon black. AIP Conference Proceedings, 2019, , .	0.3	9
43	Melt mixed composites of polypropylene with singlewalled carbon nanotubes for thermoelectric applications: Switching from p- to n-type behavior by additive addition. AIP Conference Proceedings, 2019, , .	0.3	9
44	Elucidating the Chemistry behind the Reduction of Graphene Oxide Using a Green Approach with Polydopamine. Nanomaterials, 2019, 9, 902.	1.9	38
45	Organic vapor sensing behavior of polycarbonate/polystyrene/multi-walled carbon nanotube blend composites with different microstructures. Materials and Design, 2019, 179, 107897.	3.3	8
46	The Effect of Foaming on the Properties of Carbon Nanotubes/Polymer Composites. , 2019, , 235-254.		0
47	Extruded polycarbonate/Di-Allyl phthalate composites with ternary conductive filler system for bipolar plates of polymer electrolyte membrane fuel cells. Smart Materials and Structures, 2019, 28, 064004.	1.8	8
48	Characterization of Highly Filled PP/Graphite Composites for Adhesive Joining in Fuel Cell Applications. Polymers, 2019, 11, 462.	2.0	46
49	Direction Dependent Electrical Conductivity of Polymer/Carbon Filler Composites. Polymers, 2019, 11, 591.	2.0	23
50	Multi-layered stack consisting of PVDF nanocomposites with flow-induced oriented MWCNT structure can supress electromagnetic radiation. Composites Part B: Engineering, 2019, 166, 749-757.	5.9	45
51	Vanadium salt assisted solvothermal reduction of graphene oxide and the thermoelectric characterisation of the reduced graphene oxide in bulk and as composite. Materials Chemistry and Physics, 2019, 229, 319-329.	2.0	12
52	Synthesis and characterization of graphene derivatives for application in magnetic high-field induction heating. AIP Conference Proceedings, 2019, , .	0.3	5
53	Influence of a supplemental filler in twin-screw extruded PP/CNT composites using masterbatch dilution. AIP Conference Proceedings, 2019, , .	0.3	5
54	The Influence of the Blend Ratio in PA6/PA66/MWCNT Blend Composites on the Electrical and Thermal Properties. Polymers, 2019, 11, 122.	2.0	17

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55	Melt-Mixed PP/MWCNT Composites: Influence of CNT Incorporation Strategy and Matrix Viscosity on Filler Dispersion and Electrical Resistivity. Polymers, 2019, 11, 189.	2.0	38
56	Screening of Different Carbon Nanotubes in Melt-Mixed Polymer Composites with Different Polymer Matrices for Their Thermoelectrical Properties. Journal of Composites Science, 2019, 3, 106.	1.4	38
57	Hybrid conductive filler/polycarbonate composites with enhanced electrical and thermal conductivities for bipolar plate applications. Polymer Composites, 2019, 40, 3189-3198.	2.3	43
58	Bidirectional and Stretchable Piezoresistive Sensors Enabled by Multimaterial 3D Printing of Carbon Nanotube/Thermoplastic Polyurethane Nanocomposites. Polymers, 2019, 11, 11.	2.0	118
59	Competition effect of shearâ€induced nuclei and multiwalled carbon nanotubes (MWCNT) on Î²â€isotactic polypropylene (iPP) formation in preshear injectionâ€molded iPP/MWCNT nanocomposites. Polymer Composites, 2018, 39, E1149.	2.3	6
60	A highly stretchable and stable strain sensor based on hybrid carbon nanofillers/polydimethylsiloxane conductive composites for large human motions monitoring. Composites Science and Technology, 2018, 156, 276-286.	3.8	276
61	All-aromatic SWCNT-Polyetherimide nanocomposites for thermal energy harvesting applications. Composites Science and Technology, 2018, 156, 158-165.	3.8	55
62	Looking back to interfacial tension prediction in the compatibilized polymer blends: Discrepancies between theories and experiments. Journal of Applied Polymer Science, 2018, 135, 46144.	1.3	10
63	Cellulose-carbon nanotube composite aerogels as novel thermoelectric materials. Composites Science and Technology, 2018, 163, 133-140.	3.8	72
64	Smart cellulose/graphene composites fabricated byin situchemical reduction of graphene oxide for multiple sensing applications. Journal of Materials Chemistry A, 2018, 6, 7777-7785.	5.2	118
65	Vapor sensing performance as a diagnosis probe to estimate the distribution of multi-walled carbon nanotubes in poly(lactic acid)/polypropylene conductive composites. Sensors and Actuators B: Chemical, 2018, 255, 2809-2819.	4.0	41
66	Flexible poly(styrene-butadiene-styrene)/carbon nanotube fiber based vapor sensors with high sensitivity, wide detection range, and fast response. Sensors and Actuators B: Chemical, 2018, 256, 896-904.	4.0	43
67	Electrical and melt rheological characterization of PC and coâ€continuous PC/SAN blends filled with CNTs: Relationship between meltâ€mixing parameters, filler dispersion, and filler aspect ratio. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 79-88.	2.4	29
68	Highly sensitive and stretchable piezoresistive strain sensor based on conductive poly(styrene-butadiene-styrene)/few layer graphene composite fiber. Composites Part A: Applied Science and Manufacturing, 2018, 105, 291-299.	3.8	157
69	Comparative study of singlewalled, multiwalled, and branched carbon nanotubes melt mixed in different thermoplastic matrices. Polymer, 2018, 159, 75-85.	1.8	47
70	Melt Processed Conductive Polycarbonate Composites With Ternary Fillers Towards Bipolar Plate Applications. , 2018, , .		2
71	Electrical and vapor sensing behaviors of polycarbonate composites containing hybrid carbon fillers. European Polymer Journal, 2018, 108, 461-471.	2.6	12
72	PVDFâ€“MWNT interactions control process induced Î²-lamellar morphology and orientation in the nanocomposites. Physical Chemistry Chemical Physics, 2018, 20, 24821-24831.	1.3	11

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73	Does the Processing Method Resulting in Different States of an Interconnected Network of Multiwalled Carbon Nanotubes in Polymeric Blend Nanocomposites Affect EMI Shielding Properties?. ACS Omega, 2018, 3, 5771-5782.	1.6	58
74	Effects of Particle Size and Surface Chemistry on the Dispersion of Graphite Nanoplates in Polypropylene Composites. Polymers, 2018, 10, 222.	2.0	25
75	Tuneable Dielectric Properties Derived from Nitrogen-Doped Carbon Nanotubes in PVDF-Based Nanocomposites. ACS Omega, 2018, 3, 9966-9980.	1.6	16
76	Electrically Conductive Polyetheretherketone Nanocomposite Filaments: From Production to Fused Deposition Modeling. Polymers, 2018, 10, 925.	2.0	71
77	Solvent sensitivity of smart 3D-printed nanocomposite liquid sensor. , 2018, , .		2
78	Electrical conductivity and piezoresistive response of 3D printed thermoplastic polyurethane/multiwalled carbon nanotube composites. , 2018, , .		5
79	TIME AND TEMPERATURE DEPENDENT PIEZORESISTIVE BEHAVIOR OF CONDUCTIVE ELASTOMERIC COMPOSITES. Rubber Chemistry and Technology, 2018, 91, 651-667.	0.6	12
80	Nonisothermal crystallization kinetic study and thermal stability of multiwalled carbon nanotube reinforced poly(phenylene sulfide) composites. Polymer Composites, 2017, 38, 604-615.	2.3	7
81	Strong Strain Sensing Performance of Natural Rubber Nanocomposites. ACS Applied Materials & Interfaces, 2017, 9, 4860-4872.	4.0	125
82	An Ionic Liquid as Interface Linker for Tuning Piezoresistive Sensitivity and Toughness in Poly(vinylidene fluoride)/Carbon Nanotube Composites. ACS Applied Materials & Interfaces, 2017, 9, 5437-5446.	4.0	52
83	Process-microstructure-electrical conductivity relationships in injection-molded polypropylene/carbon nanotube nanocomposite foams. Composites Part A: Applied Science and Manufacturing, 2017, 96, 28-36.	3.8	80
84	3D printing of highly elastic strain sensors using polyurethane/multiwall carbon nanotube composites. Proceedings of SPIE, 2017, , .	0.8	8
85	Conductive thermoplastic polyurethane composites with tunable piezoresistivity by modulating the filler dimensionality for flexible strain sensors. Composites Part A: Applied Science and Manufacturing, 2017, 101, 41-49.	3.8	155
86	Impact of synthesis temperature on morphology, rheology and electromagnetic interference shielding of CVD-grown carbon nanotube/polyvinylidene fluoride nanocomposites. Synthetic Metals, 2017, 230, 39-50.	2.1	45
87	3D printed highly elastic strain sensors of multiwalled carbon nanotube/thermoplastic polyurethane nanocomposites. Materials and Design, 2017, 131, 394-401.	3.3	352
88	Nucleation efficiency of fillers in polymer crystallization studied by fast scanning calorimetry: Carbon nanotubes in polypropylene. Polymer, 2017, 116, 160-172.	1.8	48
89	Polypropylene-based melt mixed composites with singlewalled carbon nanotubes for thermoelectric applications: Switching from p-type to n-type by the addition of polyethylene glycol. Polymer, 2017, 108, 513-520.	1.8	62
90	The effect of filler dimensionality on the electromechanical performance of polydimethylsiloxane based conductive nanocomposites for flexible strain sensors. Composites Science and Technology, 2017, 139, 64-73.	3.8	300

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91	Conductive network formation and destruction in polypropylene/carbon nanotube composites via crystal control using supercritical carbon dioxide. Polymer, 2017, 129, 179-188.	1.8	53
92	Graphene Derivatives Doped with Nickel Ferrite Nanoparticles as Excellent Microwave Absorbers in Soft Nanocomposites. ChemistrySelect, 2017, 2, 5984-5999.	0.7	14
93	Polymer - Carbon nanotube composites for thermoelectric applications. AIP Conference Proceedings, 2017, , .	0.3	8
94	Preparation of polystyrene nanocomposites with functionalized carbon nanotubes by melt and solution mixing: Investigation of dispersion, melt rheology, electrical and thermal properties. Polymer, 2017, 132, 325-341.	1.8	44
95	Properties of thin layers of electrically conductive polymer/MWCNT composites prepared by spray coating. Composites Science and Technology, 2017, 138, 134-143.	3.8	23
96	Effect of additives on MWCNT dispersion and electrical percolation in polyamide 12 composites. AIP Conference Proceedings, 2017, , .	0.3	1
97	Influence of matrix crystallinity on electrical percolation of multiwalled carbon nanotubes in polypropylene. AIP Conference Proceedings, 2017, , .	0.3	7
98	Influence of mixing conditions on carbon nanotube shortening and curling in polycarbonate composites. AIP Conference Proceedings, 2017, , .	0.3	3
99	PP/SWCNT composites modified with ionic liquid. AIP Conference Proceedings, 2017, , .	0.3	3
100	Thermal conductivity of hybrid filled HDPE nanocomposites. AIP Conference Proceedings, 2017, , .	0.3	2
101	Melt mixing functionalized graphite nanoplates into PC/SAN blends. AIP Conference Proceedings, 2017, , .	0.3	3
102	Effect of Graphite Nanoplate Morphology on the Dispersion and Physical Properties of Polycarbonate Based Composites. Materials, 2017, 10, 545.	1.3	27
103	Impact of synthesis temperature on structure of carbon nanotubes and morphological and electrical characterization of their polymeric nanocomposites. AIP Conference Proceedings, 2017, , .	0.3	2
104	Influence of graphite and SEBS addition on thermal and electrical conductivity and mechanical properties of polypropylene composites. AIP Conference Proceedings, 2017, , .	0.3	7
105	MECHANISMS OF ACTION OF ANTISTATIC AGENTS. , 2016, , 83-101.		1
106	Development of a polymer composite with high electrical conductivity and improved impact strength for the application as bipolar plate. AIP Conference Proceedings, 2016, , .	0.3	4
107	Electrical and thermal conductivity of polypropylene filled with combinations of carbon fillers. AIP Conference Proceedings, 2016, , .	0.3	14
108	Effects of synthesis catalyst and temperature on broadband dielectric properties of nitrogen-doped carbon nanotube/polyvinylidene fluoride nanocomposites. Carbon, 2016, 106, 260-278.	5.4	99

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109	Electrical conductivity of melt-spun thermoplastic poly(hydroxy ether of bisphenol A) fibres containing multi-wall carbon nanotubes. Polymer, 2016, 97, 80-94.	1.8	22
110	Tuning the Network Structure in Poly(vinylidene fluoride)/Carbon Nanotube Nanocomposites Using Carbon Black: Toward Improvements of Conductivity and Piezoresistive Sensitivity. ACS Applied Materials & Interfaces, 2016, 8, 14190-14199.	4.0	163
111	A promising approach to low electrical percolation threshold in PMMA nanocomposites by using MWCNT-PEO predispersions. Materials and Design, 2016, 111, 253-262.	3.3	23
112	Melt mixed SWCNT-polypropylene composites with very low electrical percolation. Polymer, 2016, 98, 45-50.	1.8	59
113	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.	5.4	202
114	Piezoresistive natural rubber-multiwall carbon nanotube nanocomposite for sensor applications. Sensors and Actuators A: Physical, 2016, 239, 102-113.	2.0	109
115	Electrically conductive thermoplastic elastomer nanocomposites at ultralow graphene loading levels for strain sensor applications. Journal of Materials Chemistry C, 2016, 4, 157-166.	2.7	484
116	Strain sensing, electrical and mechanical properties of polycarbonate/multiwall carbon nanotube monofilament fibers fabricated by melt spinning. Polymer, 2016, 82, 181-189.	1.8	110
117	Quantifying the synergistic effect of dispersion state and interfacial adhesion contributions on impact strength of core shell rubber-toughened glassy polymers. RSC Advances, 2016, 6, 3377-3385.	1.7	5
118	Electrical Conductive Surface Functionalization of Polycarbonate Parts with CNT Composite Films during Injection Molding. Plastic and Polymer Technology, 2016, 4, 41.	0.3	2
119	Melt-mixed thermoplastic composites containing carbon nanotubes for thermoelectric applications. AIMS Materials Science, 2016, 3, 1107-1116.	0.7	29
120	Electrical and dielectric properties of foam injection-molded polypropylene/multiwalled carbon nanotube composites. AIP Conference Proceedings, 2015, , .	0.3	0
121	Thermal energy harvesting for large-scale applications using MWCNT-grafted glass fibers and polycarbonate-MWCNT nanocomposites. AIP Conference Proceedings, 2015, , .	0.3	16
122	Influence of hybrid nano-filler on the crystallization behaviour and interfacial interaction in polyamide 6 based hybrid nano-composites. Physical Chemistry Chemical Physics, 2015, 17, 9410-9419.	1.3	30
123	Dispersion of carbon nanotubes into polyethylene by an additive assisted one-step melt mixing approach. Polymer, 2015, 66, 210-221.	1.8	24
124	Nanoporous Cathodes for High-Energy Liâ€“S Batteries from Gyroid Block Copolymer Templates. ACS Nano, 2015, 9, 6147-6157.	7.3	82
125	Heat transfer in microcellular polystyrene/multi-walled carbon nanotube nanocomposite foams. Carbon, 2015, 93, 819-829.	5.4	158
126	Tuning of vapor sensing behaviors of eco-friendly conductive polymer composites utilizing ramie fiber. Sensors and Actuators B: Chemical, 2015, 221, 1279-1289.	4.0	64

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127	Hotmelts with improved properties by integration of carbon nanotubes. International Journal of Adhesion and Adhesives, 2015, 62, 63-68.	1.4	9
128	A facile method to increase the charge storage capability of polymer nanocomposites. Nano Energy, 2015, 15, 54-65.	8.2	108
129	Carbon nanotubeâ€“cellulose composite aerogels for vapour sensing. Sensors and Actuators B: Chemical, 2015, 213, 20-26.	4.0	95
130	Ultralow percolation threshold in polyamide 6.6/MWCNT composites. Composites Science and Technology, 2015, 114, 119-125.	3.8	71
131	The simultaneous addition of styrene maleic anhydride copolymer and multiwall carbon nanotubes during melt-mixing on the morphology of binary blends of polyamide6 and acrylonitrile butadiene styrene copolymer. Polymer Engineering and Science, 2015, 55, 457-465.	1.5	17
132	Liquidâ€sensing behaviors of carbon black/polypropylene and carbon nanotubes/polypropylene composites: A comparative study. Polymer Composites, 2015, 36, 205-213.	2.3	8
133	Polypropylene/carbon nanotube nano/microcellular structures with high dielectric permittivity, low dielectric loss, and low percolation threshold. Carbon, 2014, 71, 206-217.	5.4	361
134	Electromagnetic interference shielding effectiveness of MWCNT filled poly(ether sulfone) and poly(ether imide) nanocomposites. Polymer Engineering and Science, 2014, 54, 2560-2570.	1.5	32
135	Aspect ratio effects of multiâ€walled carbon nanotubes on electrical, mechanical, and thermal properties of polycarbonate/MWCNT composites. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 73-83.	2.4	101
136	Achieving Î²-phase poly(vinylidene fluoride) from melt cooling: Effect of surface functionalized carbon nanotubes. Polymer, 2014, 55, 611-619.	1.8	145
137	Dispersability of multiwalled carbon nanotubes in polycarbonate-chloroform solutions. Polymer, 2014, 55, 6335-6344.	1.8	16
138	Influence of the MWCNT surface functionalization on the thermoelectric properties of melt-mixed polycarbonate composites. Composites Science and Technology, 2014, 101, 133-138.	3.8	94
139	Influence of a cyclic butylene terephthalate oligomer on the processability and thermoelectric properties of polycarbonate/MWCNT nanocomposites. Polymer, 2014, 55, 5381-5388.	1.8	68
140	Crystallization of poly(Îµ-caprolactone)/MWCNT composites: A combined SAXS/WAXS, electrical and thermal conductivity study. Polymer, 2014, 55, 2220-2232.	1.8	80
141	Localization of carbon nanotubes in polyamide 6 blends with non-reactive and reactive rubber. Polymer, 2014, 55, 3062-3067.	1.8	14
142	Kinetics of nucleation and crystallization of poly(Îµ-caprolactone) â€“ Multiwalled carbon nanotube composites. European Polymer Journal, 2014, 52, 1-11.	2.6	126
143	Ethylene-vinyl Acetate Thermoplastic Copolymers Filled with Multiwall Carbon Nanotubes: Effect of Hydrothermal Ageing on Mechanical, Thermal, and Electrical Properties. Macromolecular Materials and Engineering, 2014, 299, 41-50.	1.7	10
144	Single Polymer Composites of Poly(Butylene Terephthalate) Microfibrils Loaded with Carbon Nanotubes Exhibiting Electrical Conductivity and Improved Mechanical Properties. Macromolecular Materials and Engineering, 2014, 299, 799-806.	1.7	49

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145	Achieving Electrical Conductive Tracks by Laser Treatment of non-Conductive Polypropylene/Polycarbonate Blends Filled with MWCNTs. Macromolecular Materials and Engineering, 2014, 299, 869-877.	1.7	11
146	Dynamic-mechanical analysis of MWNTs-filled PC/ABS blends. Polymer Engineering and Science, 2014, 54, 2696-2706.	1.5	4
147	Effects of high energy electrons on the properties of polyethylene / multiwalled carbon nanotubes composites: Comparison of as-grown and oxygen-functionalised MWCNT. , 2014, , .		1
148	Poly(lactic acid) composites with poly(lactic acid)â€modified carbon nanotubes. Journal of Polymer Science Part A, 2013, 51, 3740-3750.	2.5	33
149	Improvement of carbon nanotube dispersion in thermoplastic composites using a three roll mill at elevated temperatures. Composites Science and Technology, 2013, 74, 78-84.	3.8	43
150	Interfacial chemistry using a bifunctional coupling agent for enhanced electrical properties of carbon nanotube based composites. Polymer, 2013, 54, 5391-5398.	1.8	3
151	A morphological study on the dispersion and selective localization behavior of graphene nanoplatelets in immiscible polymer blends ofÂPC and SAN. Polymer, 2013, 54, 5875-5882.	1.8	66
152	Influence of the viscosity ratio in PC/SAN blends filled with MWCNTs on the morphological, electrical, and melt rheological properties. Polymer, 2013, 54, 6801-6808.	1.8	102
153	Influence of shear deformation on the electrical and rheological properties of combined filler networks in polymer melts: Carbon nanotubes and carbon black in polycarbonate. Polymer, 2013, 54, 5865-5874.	1.8	45
154	Influence of talc with different particle sizes in meltâ€mixed LLDPE/MWCNT composites. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1680-1691.	2.4	16
155	Influence of peroxide addition on the morphology and properties of polypropylene â€“ multiwalled carbon nanotube nanocomposites. Composites Science and Technology, 2013, 84, 78-85.	3.8	13
156	Melt mixed PCL/MWCNT composites prepared at different rotation speeds: Characterization of rheological, thermal, and electrical properties, molecular weight, MWCNT macrodispersion, and MWCNT length distribution. Polymer, 2013, 54, 3071-3078.	1.8	80
157	MWNTâ€filled PC/ABS blends: Correlation of morphology with rheological and electrical response. Journal of Applied Polymer Science, 2013, 130, 739-748.	1.3	41
158	Characterization of Dispersability of Industrial Nanotube Materials and their Length Distribution Before and After Melt Processing. RSC Nanoscience and Nanotechnology, 2013, , 212-233.	0.2	2
159	Creep-resistant behavior of MWCNT-polycarbonate melt spun nanocomposite fibers at elevated temperature. Polymer, 2013, 54, 3723-3729.	1.8	45
160	Conductivity of microfibrillar polymer-polymer composites with CNT-loaded microfibrils or compatibilizer: A comparative study. EXPRESS Polymer Letters, 2013, 7, 607-620.	1.1	16
161	Nanosensor technology based on semiconductor nanocrystals. Proceedings of SPIE, 2012, , .	0.8	0
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