

# Maria Omastova

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183  
papers

5,616  
citations

39  
h-index

68  
g-index

192  
ext. papers

6,179  
ext. citations

4.2  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
183	Electrochemical performance of composite electrodes based on rGO, Mn/Cu metal-organic frameworks, and PANI.. <i>Scientific Reports</i> , <b>2022</b> , 12, 664	4.9	2
182	Mechanochemical synthesis of gold-silver nanocomposites via diazonium salts. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 137, 109231	3.1	
181	In Situ Deformation Monitoring of 3D Woven Composite T-Profile Using MXene Nanoparticles.. <i>Materials</i> , <b>2022</b> , 15,	3.5	1
180	Wettability of MXene films.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 622, 759-768	9.3	1
179	Scalable MXene and PEDOT-CNT Nanocoatings for Fibre-Reinforced Composite De-Icing. <i>Materials</i> , <b>2022</b> , 15, 3535	3.5	
178	Plastic ingestion by the Wels catfish ( L.): detailed chemical analysis and degradation state evaluation. <i>Toxicology Reports</i> , <b>2021</b> , 8, 1869-1876	4.8	0
177	Elastic composites with PDMS matrix and polysulfone-supported silver nanoparticles as filler. <i>Polymer</i> , <b>2021</b> , 217, 123480	3.9	7
176	Strain Sensing Coatings for Large Composite Structures Based on 2D MXene Nanoparticles. <i>Sensors</i> , <b>2021</b> , 21,	3.8	6
175	Novel Hybrid Polymer Composites with Graphene and MXene Nano-Reinforcements: Computational Analysis. <i>Polymers</i> , <b>2021</b> , 13,	4.5	7
174	Origin of Electrocatalytic Activity in Amorphous Nickel-Metalloid Electrodeposits. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23689-23701	9.5	1
173	Exceptionally redox-active precursors in the synthesis of gold core-tin oxide shell nanostructures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 616, 126266	5.1	4
172	Wettability of MXene and its interfacial adhesion with epoxy resin. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 257, 123820	4.4	11
171	Electrochemical performance of composites made of rGO with Zn-MOF and PANI as electrodes for supercapacitors. <i>Electrochimica Acta</i> , <b>2021</b> , 367, 137563	6.7	12
170	Solvent-Free Ultrasonic Dispersion of Nanofillers in Epoxy Matrix. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
169	Electrical Conductivity of Glass Fiber-Reinforced Plastic with Nanomodified Matrix for Damage Diagnostic. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
168	Targeting of carbonic anhydrase IX-positive cancer cells by glycine-coated superparamagnetic nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 205, 111893	6	8
167	Enhancement of Interfacial Hydrogen Interactions with Nanoporous Gold-Containing Metallic Glass. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 42613-42623	9.5	2

166	Stepwise behavior of surface properties caused by phase inversion in a polymer blend filled with dispersed iron. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	
165	Selected Electrochemical Properties of 4,4'-((1E,1'E)-((1,2,4-Thiadiazole-3,5-diyl)bis(azaneylylidene))bis(methaneylylidene))bis(-,di-p-tolylaniline) <sub>3,5</sub> towards Perovskite Solar Cells with 14.4% Efficiency. <i>Materials</i> , <b>2020</b> , 13,		6
164	Properties of scaffolds prepared by fused deposition modeling of poly(hydroxyalkanoates). <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 364-376	7.9	21
163	Thermal stabilization of poly(acrylonitrile-co-itaconic acid) nanofibers as carbon nanofiber precursor. <i>Polymer Degradation and Stability</i> , <b>2020</b> , 175, 109142	4.7	2
162	Structural transformation and nature of defects in titanium carbide treated in different redox atmospheres.. <i>RSC Advances</i> , <b>2020</b> , 10, 25602-25608	3.7	2
161	Size effects of graphene nanoplatelets on the properties of high-density polyethylene nanocomposites: morphological, thermal, electrical, and mechanical characterization. <i>Beilstein Journal of Nanotechnology</i> , <b>2020</b> , 11, 167-179	3	22
160	Effect of lead thiocyanate ions on performance of tin-based perovskite solar cells. <i>Journal of Power Sources</i> , <b>2020</b> , 458, 228067	8.9	9
159	Numerical investigation of the mechanical properties of a novel hybrid polymer composite reinforced with graphene and MXene nanosheets. <i>Computational Materials Science</i> , <b>2020</b> , 174, 109497	3.2	16
158	Thermally Treated Graphene Oxide/Polyacrylonitrile Based Electrospun Carbon Nanofiber Precursor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 3448-3459	1.3	7
157	Surface-governed electrochemical hydrogenation in FeNi-based metallic glass. <i>Journal of Power Sources</i> , <b>2020</b> , 475, 228700	8.9	4
156	Molecular targeting of bioconjugated graphene oxide nanocarriers revealed at a cellular level using label-free Raman imaging. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 30, 102280	6	2
155	Screen-printed PEDOT:PSS/halloysite counter electrodes for dye-sensitized solar cells. <i>Synthetic Metals</i> , <b>2019</b> , 256, 116148	3.6	5
154	Surface modification of tungsten disulfide with polypyrrole for enhancement of the conductivity and its impact on hydrogen evolution reaction. <i>Applied Surface Science</i> , <b>2019</b> , 492, 497-503	6.7	14
153	A Multifunctional Graphene Oxide Platform for Targeting Cancer. <i>Cancers</i> , <b>2019</b> , 11,	6.6	9
152	An elevated concentration of MoS lowers the efficacy of liquid-phase exfoliation and triggers the production of MoO nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 12396-12405	3.6	8
151	Surface Modification of Cellulose Nanocrystals with Succinic Anhydride. <i>Polymers</i> , <b>2019</b> , 11,	4.5	25
150	Morphological, electrical, mechanical and thermal properties of high-density polyethylene/multiwall carbon nanotube nanocomposites: effect of aspect ratio. <i>Materials Research Express</i> , <b>2019</b> , 6, 095079	1.7	4
149	Electrospinning of Ethylene Vinyl Acetate/Carbon Nanotube Nanocomposite Fibers. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8

148	Synthesis and enhanced photocatalytic activity of nitrogen-doped triphasic TiO <sub>2</sub> nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 377, 92-100	4.7	15
147	Development and characterization of composite fibers based on tragacanth gum and polyvinylpyrrolidone. <i>Composites Part B: Engineering</i> , <b>2019</b> , 169, 79-87	10	7
146	Remarkable differences in the voltammetric response towards hydrogen peroxide, oxygen and Ru(NH) of electrode interfaces modified with HF or LiF-HCl etched TiCT MXene. <i>Mikrochimica Acta</i> , <b>2019</b> , 187, 52	5.8	10
145	Silver thin films generated by Pulsed Laser Deposition on plasma-treated surface of silicones to get dielectric elastomer transducers. <i>Surface and Coatings Technology</i> , <b>2019</b> , 358, 282-292	4.4	5
144	The effect of surface modification of microfibrillated cellulose (MFC) by acid chlorides on the structural and thermomechanical properties of biopolyamide 4.10 nanocomposites. <i>Industrial Crops and Products</i> , <b>2018</b> , 116, 97-108	5.9	18
143	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 213, 352-361	4.4	24
142	Plasma-based preparation of polyaniline/graphene and polypyrrole/graphene composites for dye-sensitized solar cells as counter electrodes. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2018</b> , 55, 317-323	2.2	6
141	Polyfuran-based multi-walled carbon nanotubes and graphene nanocomposites as counter electrodes for dye-sensitized solar cells. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 3325-3335	2.8	7
140	d,l-lysine functionalized FeO nanoparticles for detection of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 163, 236-245	6	27
139	Preparation of polypyrrole/multi-walled carbon nanotube hybrids by electropolymerization combined with a coating method for counter electrodes in dye-sensitized solar cells. <i>Chemical Papers</i> , <b>2018</b> , 72, 1651-1667	1.9	10
138	Plasma-enhanced modification of multiwalled carbon nanotube with conducting polymers for dye sensitized solar cells. <i>Polymer Composites</i> , <b>2018</b> , 39, 668-674	3	8
137	Label-free tracking of nanosized graphene oxide cellular uptake by confocal Raman microscopy. <i>Analyst, The</i> , <b>2018</b> , 143, 3686-3692	5	11
136	Piezoresistivity of conductive polymer nanocomposites: Experiment and modeling. <i>Journal of Reinforced Plastics and Composites</i> , <b>2018</b> , 37, 1085-1098	2.9	12
135	Dye diazonium-modified multiwalled carbon nanotubes: Light harvesters for elastomeric optothermal actuators. <i>Vacuum</i> , <b>2018</b> , 155, 178-184	3.7	6
134	Preparation and Characterization of Magnetic Nanoparticles. <i>Acta Physica Polonica A</i> , <b>2018</b> , 133, 704-706	6.6	6
133	Conducting electrospun polycaprolactone/polypyrrole fibers. <i>Synthetic Metals</i> , <b>2018</b> , 235, 80-88	3.6	18
132	Flexible paper@carbon nanotube@polypyrrole composites: The combined pivotal roles of diazonium chemistry and sonochemical polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 538, 350-360	5.1	11
131	Acid Free Oxidation and Simple Dispersion Method of MWCNT for High-Performance CFRP. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	21

130	Electrospinning of Ethylene Vinyl Acetate/Poly(Lactic Acid) Blends on a Water Surface. <i>Materials</i> , <b>2018</b> , 11,	3.5	6
129	Fast low-temperature plasma reduction of monolayer graphene oxide at atmospheric pressure. <i>Nanotechnology</i> , <b>2017</b> , 28, 145601	3.4	20
128	Layered double hydroxides as the next generation inorganic anion exchangers: Synthetic methods versus applicability. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 245, 62-80	14.3	109
127	Efficient Covalent Modification of Multiwalled Carbon Nanotubes with Diazotized Dyes in Water at Room Temperature. <i>Langmuir</i> , <b>2017</b> , 33, 6677-6690	4	24
126	Anti-hydrolysis effect of aromatic carbodiimide in poly(lactic acid)/wood flour composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2017</b> , 103, 283-291	8.4	18
125	Strain and damage monitoring in SBR nanocomposites under cyclic loading. <i>Composites Part B: Engineering</i> , <b>2017</b> , 131, 50-61	10	10
124	Catalytic activity of mono and bimetallic Zn/Cu/MWCNTs catalysts for the thermocatalyzed conversion of methane to hydrogen. <i>Applied Surface Science</i> , <b>2017</b> , 396, 574-581	6.7	10
123	Clay/Conductive Polymer Nanocomposites <b>2017</b> , 199-237		8
122	Effect of aspect ratio on thermal conductivity of high density polyethylene/multi-walled carbon nanotubes nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 82, 208-213	8.4	69
121	Arabinogalactan:βglucan as novel biodegradable carriers for recombinant human thrombin. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2016</b> , 27, 202-17	3.5	5
120	EFFECT OF ANTISTATIC AGENTS ON SOME PROPERTIES OF COMPOUNDED MATERIALS <b>2016</b> , 149-182		
119	Adsorption of an active molecule on the surface of halloysite for controlled release application: Interaction, orientation, consequences. <i>Applied Clay Science</i> , <b>2016</b> , 132-133, 167-174	5.2	12
118	Reliable determination of the few-layer graphene oxide thickness using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , <b>2016</b> , 47, 391-394	2.3	41
117	Styrene Butadiene Rubber/Carbon Filler-Based Vapor Sensors. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1149-1160	2.6	8
116	Interface engineered HfO <sub>2</sub> -based 3D vertical ReRAM. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 215103		19
115	Effects of CNT inclusions on structure and dielectric properties of PVDF/CNT nanocomposites. <i>Phase Transitions</i> , <b>2016</b> , 89, 717-730	1.3	6
114	Plasma grafting of polypropylene with organosilanes and its alkylamine treatment. <i>Vacuum</i> , <b>2016</b> , 127, 38-44	3.7	8
113	In situ electron microscopy of Braille microsystems: photo-actuation of ethylene vinyl acetate/carbon nanotube composites. <i>Materials Research Express</i> , <b>2015</b> , 2, 025601	1.7	3

112	Aqueous phase hydrogenation of furfural to furfuryl alcohol over PdCu catalysts. <i>Applied Catalysis A: General</i> , <b>2015</b> , 502, 78-85	5.1	173
111	Investigation of beech wood modified by radio-frequency discharge plasma. <i>Vacuum</i> , <b>2015</b> , 119, 88-94	3.7	12
110	Study of polypyrrole aging by XPS, FTIR and conductivity measurements. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 120, 392-401	4.7	172
109	Study of the reinforcing mechanism and strain sensing in a carbon black filled elastomer. <i>Composites Part B: Engineering</i> , <b>2015</b> , 80, 20-26	10	32
108	Polypyrrole-coated multi-walled carbon nanotubes for the simple preparation of counter electrodes in dye-sensitized solar cells. <i>Synthetic Metals</i> , <b>2015</b> , 210, 323-331	3.6	36
107	Strain sensing in polymer/carbon nanotube composites by electrical resistance measurement. <i>Composites Part B: Engineering</i> , <b>2015</b> , 68, 162-169	10	107
106	Molecular Disorder in Prestrained Nanocomposites: Effects of Processing on Durability of Thermally-Active Ethylene-Vinyl Acetate   PyChol   Multiwall Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1718, 21-26		
105	Influence of preparation methods on the electrical and nanomechanical properties of poly(methyl methacrylate)/multiwalled carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	5
104	Strain and Damage Sensing in Polymer Composites and Nanocomposites with Conducting Fillers. <i>Procedia Engineering</i> , <b>2015</b> , 114, 590-597		16
103	Interface Dynamics in Strained Polymer Nanocomposites: Stick-Slip Wrapping as a Prelude to Mechanical Backbone Twisting Derived from Sonication-Induced Amorphization. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20091-20099	3.8	4
102	Reduced percolation concentration in polypropylene/expanded graphite composites: Effect of viscosity and polypyrrole. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	11
101	Towards conducting inks: Polypyrrole-silver colloids. <i>Electrochimica Acta</i> , <b>2014</b> , 122, 296-302	6.7	25
100	Dynamic Mechanical and Dielectric Properties of Ethylene Vinyl Acetate/Carbon Nanotube Composites. <i>Journal of Macromolecular Science - Physics</i> , <b>2014</b> , 53, 496-512	1.4	13
99	Surface modification of low-density polyethylene with poly(2-ethyl-2-oxazoline) using a low-pressure plasma treatment. <i>Vacuum</i> , <b>2014</b> , 100, 53-56	3.7	28
98	Gas phase hydroxylation of benzene with air-ammonia mixture over copper-based phosphate catalysts. <i>Applied Catalysis A: General</i> , <b>2014</b> , 481, 71-78	5.1	4
97	Tactile device based on opto-mechanical actuation of liquid crystal elastomers. <i>Sensors and Actuators A: Physical</i> , <b>2014</b> , 208, 104-112	3.9	61
96	Thermo-Active Behavior of Ethylene-Vinyl Acetate   Multiwall Carbon Nanotube Composites Examined by in Situ near-Edge X-ray Absorption Fine-Structure Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 3733-3741	3.8	12
95	Prestrain relaxation in non-covalently modified ethylene-vinyl acetate   PyChol   multiwall carbon nanotube nanocomposites. <i>APL Materials</i> , <b>2014</b> , 2, 066105	5.7	6

94	The synergy of ultrasonic treatment and organic modifiers for tuning the surface chemistry and conductivity of multiwalled carbon nanotubes. <i>Surface and Interface Analysis</i> , <b>2014</b> , 46, 940-944	1.5	6
93	Elastomeric Actuators Based on Ethylene-Vinyl Acetate and Carbon Nanotubes <b>2014</b> , 1-14		
92	Ultrasensitive impedimetric lectin biosensors with efficient antifouling properties applied in glycoprofiling of human serum samples. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 7324-32	7.8	69
91	Applications versus properties of MgAl layered double hydroxides provided by their syntheses methods: Alkoxide and alkoxide-free sol-gel syntheses and hydrothermal precipitation. <i>Chemical Engineering Journal</i> , <b>2013</b> , 234, 284-299	14.7	68
90	Polyamide grafted with polypyrrole: formation, properties, and stability. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	12
89	Electrical and mechanical properties of expanded graphite/high density polyethylene nanocomposites. <i>Composites Part B: Engineering</i> , <b>2013</b> , 53, 226-233	10	46
88	Elastomeric photo-actuators and their investigation by confocal laser scanning microscopy. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 104001	3.4	12
87	Nanocomposite photoactuators based on an ethylene vinyl acetate copolymer filled with carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 186, 701-710	8.5	26
86	Spectral characterisation of new organic fluorescent dyes with an alkoxy silane moiety and their utilisation for the labelling of layered silicates. <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	10
85	Polypyrrole/silver composites prepared by single-step synthesis. <i>Synthetic Metals</i> , <b>2013</b> , 166, 57-62	3.6	39
84	One-step UV-induced modification of cellulose fabrics by polypyrrole/silver nanocomposite films. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 393, 130-7	9.3	47
83	Impact of plasma treatment on electrical properties of TiO <sub>2</sub> /RuO <sub>2</sub> based DRAM capacitor. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 385304	3	22
82	Nanocarbon based ionic actuators – review. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 104022	3.4	84
81	Multiwalled Carbon Nanotube-Clicked Poly(4-vinyl pyridine) as a Hairy Platform for the Immobilization of Gold Nanoparticles. <i>Journal of Colloid Science and Biotechnology</i> , <b>2013</b> , 2, 53-61		12
80	X-ray photoelectron spectroscopy as detection tool for coordinated or uncoordinated fluorine atoms demonstrated on fluoride systems NaF, K <sub>2</sub> TaF <sub>7</sub> , K <sub>3</sub> TaF <sub>8</sub> , K <sub>2</sub> ZrF <sub>6</sub> , Na <sub>7</sub> Zr <sub>6</sub> F <sub>31</sub> and K <sub>3</sub> ZrF <sub>7</sub> . <i>Solid State Sciences</i> , <b>2012</b> , 14, 828-832	3.4	16
79	Polypyrrole coating of inorganic and organic materials by chemical oxidative polymerisation. <i>Chemical Papers</i> , <b>2012</b> , 66,	1.9	76
78	Preparation and photothermal characterization of nanocomposites based on high density polyethylene filled with expanded and unexpanded graphite: Particle size and shape effects. <i>International Journal of Thermal Sciences</i> , <b>2012</b> , 62, 50-55	4.1	24
77	Strain Sensing in Polymer/Carbon Nanotube Composites by Electrical Resistance Measurement. <i>Procedia Engineering</i> , <b>2012</b> , 47, 774-777		4



76	Synthesis of poly(3,4-ethylenedioxythiophene)/titanium dioxide nanocomposites in the presence of surfactants and their properties. <i>Synthetic Metals</i> , <b>2012</b> , 162, 1451-1458	3.6	36
75	Photothermal Characterization of Nanocomposites Based on High Density Polyethylene (HDPE) Filled with Expanded Graphite. <i>International Journal of Thermophysics</i> , <b>2012</b> , 33, 2110-2117	2.1	9
74	Effect of surfactants and manufacturing methods on the electrical and thermal conductivity of carbon nanotube/silicone composites. <i>Molecules</i> , <b>2012</b> , 17, 13157-74	4.8	37
73	Effects of conductive graphite filler loading on physical properties of high-density polyethylene composite. <i>Polymer Composites</i> , <b>2012</b> , 33, 1071-1076	3	19
72	Photo-actuating materials based on elastomers and modified carbon nanotubes. <i>Journal of Nanophotonics</i> , <b>2012</b> , 6, 063522	1.1	27
71	Electrical and Mechanical Properties of Ethylene Vinyl Acetate Based Composites. <i>Materials Science Forum</i> , <b>2012</b> , 714, 193-199	0.4	6
70	A versatile route for surface modification of carbon, metals and semi-conductors by diazonium salt-initiated photopolymerization. <i>Surface Science</i> , <b>2011</b> , 605, 1889-1899	1.8	36
69	Thin polyaniline and polyaniline/carbon nanocomposite films for gas sensing. <i>Thin Solid Films</i> , <b>2011</b> , 519, 4123-4127	2.2	45
68	Photoactuators on the base of polymeric elastomers and multiwall carbon nanotubes <b>2011</b> ,		1
67	Nano opto-mechanical systems (NOMS) as a proposal for tactile displays <b>2011</b> ,		6
66	Influence of surface treatment of multiwall carbon nanotubes on the properties of polypropylene/carbon nanotubes nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2011</b> , 22, 38-47 <sup>3.2</sup>		22
65	Electromagnetic absorption efficiency of polypropylene/montmorillonite/polypyrrole nanocomposites. <i>Materials &amp; Design</i> , <b>2011</b> , 32, 2006-2011		51
64	Effect of Surface Modification of Multiwall Carbon Nanotubes on their Electrical and Surface Properties. <i>Materials Science Forum</i> , <b>2010</b> , 636-637, 676-681	0.4	3
63	Polypyrrole and polyaniline prepared with cerium(IV) sulfate oxidant. <i>Synthetic Metals</i> , <b>2010</b> , 160, 701-707 <sup>6</sup>		32
62	Indirect methods for the determination of optimal processing conditions in conductive polypropylene/carbon nanotubes composites. <i>Chemical Physics Letters</i> , <b>2010</b> , 498, 125-128	2.5	21
61	Stability of electrical properties of carbon black-filled rubbers. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 2918-2924	2.9	12
60	A comparative study on the electrical and mechanical behaviour of multi-walled carbon nanotube composites prepared by diluting a masterbatch with various types of polypropylenes. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2536-2551	2.9	129
59	Morphology, microhardness, and electrical properties of composites based on polypropylene, montmorillonite, and polypyrrole. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2009</b> , 47, 407-423 <sup>2.6</sup>		24



58	Structure-property relationships in polyamide 6/multi-walled carbon nanotubes nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2009</b> , 47, 764-774	2.6	101
57	Electrical/dielectric properties and conduction mechanism in melt processed polyamide/multi-walled carbon nanotubes composites. <i>Polymer</i> , <b>2009</b> , 50, 5103-5111	3.9	129
56	Polythiophene/SiO <sub>2</sub> nanocomposites prepared in the presence of surfactants and their application to glucose biosensing. <i>Synthetic Metals</i> , <b>2009</b> , 159, 2022-2028	3.6	56
55	Nonisothermal Crystallization Kinetics and Microhardness of PP/CNT Composites. <i>Journal of Macromolecular Science - Physics</i> , <b>2008</b> , 47, 1197-1210	1.4	17
54	Polyaniline-coated cellulose fibers decorated with silver nanoparticles. <i>Chemical Papers</i> , <b>2008</b> , 62,	1.9	52
53	Surfactant-assisted control of the surface energy and interfacial molecular interactions of polypyrrole. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 293, 28-38	5.1	29
52	Synthesis and characterization of red mud/polyaniline composites: Electrical properties and thermal stability. <i>European Polymer Journal</i> , <b>2007</b> , 43, 2471-2480	5.2	84
51	Polyaniline and polypyrrole: A comparative study of the preparation. <i>European Polymer Journal</i> , <b>2007</b> , 43, 2331-2341	5.2	313
50	Preparation, surface chemistry, and electrical conductivity of novel silicon carbide/polypyrrole composites containing an anionic surfactant. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1198-1206	2.3	26
49	Exfoliation behavior of montmorillonite modified by poly(oxyalkylene)s in polypropylene and the properties of the resulting nanocomposites. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1262-1271	2.3	6
48	Thermal decomposition of polypyrroles. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2007</b> , 88, 515-521	4.1	32
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