

Maria Omastova

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183
papers

5,616
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39
h-index

68
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192
ext. papers

6,179
ext. citations

4.2
avg, IF

5.63
L-index

#	Paper	IF	Citations
183	Synthesis and structural study of polypyrroles prepared in the presence of surfactants. <i>Synthetic Metals</i> , 2003 , 138, 447-455	3.6	511
182	Polyaniline and polypyrrole: A comparative study of the preparation. <i>European Polymer Journal</i> , 2007 , 43, 2331-2341	5.2	313
181	Polyaniline and polypyrrole prepared in the presence of surfactants: a comparative conductivity study. <i>Polymer</i> , 2003 , 44, 1353-1358	3.9	185
180	Aqueous phase hydrogenation of furfural to furfuryl alcohol over Pd/Cu catalysts. <i>Applied Catalysis A: General</i> , 2015 , 502, 78-85	5.1	173
179	Study of polypyrrole aging by XPS, FTIR and conductivity measurements. <i>Polymer Degradation and Stability</i> , 2015 , 120, 392-401	4.7	172
178	Synthesis and characterization of polythiophenes prepared in the presence of surfactants. <i>Synthetic Metals</i> , 2007 , 157, 23-29	3.6	147
177	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> , 2009 , 113, 2536-2551	2.9	129
176	Electrical/dielectric properties and conduction mechanism in melt processed polyamide/multi-walled carbon nanotubes composites. <i>Polymer</i> , 2009 , 50, 5103-5111	3.9	129
175	Layered double hydroxides as the next generation inorganic anion exchangers: Synthetic methods versus applicability. <i>Advances in Colloid and Interface Science</i> , 2017 , 245, 62-80	14.3	109
174	Strain sensing in polymer/carbon nanotube composites by electrical resistance measurement. <i>Composites Part B: Engineering</i> , 2015 , 68, 162-169	10	107
173	Structure-property relationships in polyamide 6/multi-walled carbon nanotubes nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 764-774	2.6	101
172	Electrical properties and stability of polypyrrole containing conducting polymer composites. <i>Synthetic Metals</i> , 1996 , 81, 49-57	3.6	97
171	Effect of polymerization conditions on the properties of polypyrrole prepared in the presence of sodium bis(2-ethylhexyl) sulfosuccinate. <i>Synthetic Metals</i> , 2004 , 143, 153-161	3.6	96
170	Synthesis and interfacial properties of montmorillonite/polypyrrole nanocomposites. <i>Polymer</i> , 2006 , 47, 569-576	3.9	92
169	Nanocarbon based ionic actuators—review. <i>Smart Materials and Structures</i> , 2013 , 22, 104022	3.4	84
168	Synthesis and characterization of red mud/polyaniline composites: Electrical properties and thermal stability. <i>European Polymer Journal</i> , 2007 , 43, 2471-2480	5.2	84
167	Surface Characterization of Polyaniline-Coated Polystyrene Latexes. <i>Langmuir</i> , 1998 , 14, 5032-5038	4	79

166	Polypyrrole coating of inorganic and organic materials by chemical oxidative polymerisation. <i>Chemical Papers</i> , 2012 , 66,	1.9	76
165	Montmorillonite/polypyrrole nanocomposites. The effect of organic modification of clay on the chemical and electrical properties. <i>Materials Science and Engineering C</i> , 2006 , 26, 306-313	8.3	73
164	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> , 2016 , 82, 208-213	8.4	69
163	Ultrasensitive impedimetric lectin biosensors with efficient antifouling properties applied in glycoprofiling of human serum samples. <i>Analytical Chemistry</i> , 2013 , 85, 7324-32	7.8	69
162	Applications versus properties of Mg ₃ Al layered double hydroxides provided by their syntheses methods: Alkoxide and alkoxide-free sol-gel syntheses and hydrothermal precipitation. <i>Chemical Engineering Journal</i> , 2013 , 234, 284-299	14.7	68
161	Chemical preparation and characterization of conductive poly(methyl methacrylate)/polypyrrole composites. <i>Polymer</i> , 1998 , 39, 6559-6566	3.9	67
160	Relation between electrical and mechanical properties of conducting polymer composites. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 1903-1906	2.9	67
159	Electrical properties of carbon black-filled polymer composites. <i>Macromolecular Symposia</i> , 2001 , 170, 249-256	0.8	64
158	Tactile device based on opto-mechanical actuation of liquid crystal elastomers. <i>Sensors and Actuators A: Physical</i> , 2014 , 208, 104-112	3.9	61
157	Polythiophene/SiO ₂ nanocomposites prepared in the presence of surfactants and their application to glucose biosensing. <i>Synthetic Metals</i> , 2009 , 159, 2022-2028	3.6	56
156	Polyaniline-coated cellulose fibers decorated with silver nanoparticles. <i>Chemical Papers</i> , 2008 , 62,	1.9	52
155	Electromagnetic absorption efficiency of polypropylene/montmorillonite/polypyrrole nanocomposites. <i>Materials & Design</i> , 2011 , 32, 2006-2011		51
154	Electrical and mechanical properties of conducting polymer composites. <i>Synthetic Metals</i> , 1999 , 102, 1251-1252	3.6	49
153	Thermal decomposition of polyolefin/carbon black composites. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005 , 74, 204-214	6	48
152	One-step UV-induced modification of cellulose fabrics by polypyrrole/silver nanocomposite films. <i>Journal of Colloid and Interface Science</i> , 2013 , 393, 130-7	9.3	47
151	Preparation and characterization of electrically conductive polypropylene/polypyrrole composites. <i>European Polymer Journal</i> , 1996 , 32, 681-689	5.2	47
150	Electrical and mechanical properties of expanded graphite/high density polyethylene nanocomposites. <i>Composites Part B: Engineering</i> , 2013 , 53, 226-233	10	46
149	Thin polyaniline and polyaniline/carbon nanocomposite films for gas sensing. <i>Thin Solid Films</i> , 2011 , 519, 4123-4127	2.2	45

148	Synthesis, Electrical Properties and Stability of Polypyrrole-Containing Conducting Polymer Composites. <i>Polymer International</i> , 1997 , 43, 109-116	3.3	42
147	Reliable determination of the few-layer graphene oxide thickness using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016 , 47, 391-394	2.3	41
146	Surface properties and conductivity of bis(2-ethylhexyl) sulfosuccinate-containing polypyrrole. <i>Applied Surface Science</i> , 2005 , 249, 303-314	6.7	40
145	Polypyrrole/silver composites prepared by single-step synthesis. <i>Synthetic Metals</i> , 2013 , 166, 57-62	3.6	39
144	The preparation and properties of sodium and organomodified-montmorillonite/polypyrrole composites: A comparative study. <i>Synthetic Metals</i> , 2007 , 157, 347-357	3.6	39
143	Thermal ageing of conducting polymeric composites. <i>Polymer Degradation and Stability</i> , 2003 , 82, 251-256	4.7	39
142	Effect of surfactants and manufacturing methods on the electrical and thermal conductivity of carbon nanotube/silicone composites. <i>Molecules</i> , 2012 , 17, 13157-74	4.8	37
141	Polypyrrole-coated multi-walled carbon nanotubes for the simple preparation of counter electrodes in dye-sensitized solar cells. <i>Synthetic Metals</i> , 2015 , 210, 323-331	3.6	36
140	Synthesis of poly(3,4-ethylenedioxythiophene)/titanium dioxide nanocomposites in the presence of surfactants and their properties. <i>Synthetic Metals</i> , 2012 , 162, 1451-1458	3.6	36
139	A versatile route for surface modification of carbon, metals and semi-conductors by diazonium salt-initiated photopolymerization. <i>Surface Science</i> , 2011 , 605, 1889-1899	1.8	36
138	Conductive polymer-coated textiles: The role of fabric treatment by pyrrole-functionalized triethoxysilane. <i>Synthetic Metals</i> , 2007 , 157, 914-923	3.6	36
137	Novel silicon carbide/polypyrrole composites; preparation and physicochemical properties. <i>Materials Research Bulletin</i> , 2005 , 40, 749-765	5.1	34
136	Study of the reinforcing mechanism and strain sensing in a carbon black filled elastomer. <i>Composites Part B: Engineering</i> , 2015 , 80, 20-26	10	32
135	Polypyrrole and polyaniline prepared with cerium(IV) sulfate oxidant. <i>Synthetic Metals</i> , 2010 , 160, 701-707	3.7	32
134	Thermal decomposition of polypyrroles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 88, 515-521	4.1	32
133	Surfactant-assisted control of the surface energy and interfacial molecular interactions of polypyrrole. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 293, 28-38	5.1	29
132	Surface modification of low-density polyethylene with poly(2-ethyl-2-oxazoline) using a low-pressure plasma treatment. <i>Vacuum</i> , 2014 , 100, 53-56	3.7	28
131	On the ozone degradation of polypyrrole. <i>Polymer Degradation and Stability</i> , 2003 , 82, 487-495	4.7	28

130	d,l-lysine functionalized FeO nanoparticles for detection of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 163, 236-245	6	27
129	Photo-actuating materials based on elastomers and modified carbon nanotubes. <i>Journal of Nanophotonics</i> , 2012 , 6, 063522	1.1	27
128	Nanocomposite photoactuators based on an ethylene vinyl acetate copolymer filled with carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 701-710	8.5	26
127	Preparation, surface chemistry, and electrical conductivity of novel silicon carbide/polypyrrole composites containing an anionic surfactant. <i>Polymer Engineering and Science</i> , 2007 , 47, 1198-1206	2.3	26
126	Surface Modification of Cellulose Nanocrystals with Succinic Anhydride. <i>Polymers</i> , 2019 , 11,	4.5	25
125	Towards conducting inks: Polypyrrole-silver colloids. <i>Electrochimica Acta</i> , 2014 , 122, 296-302	6.7	25
124	Mechanical and electrical properties of composites based on thermoplastic matrices and conductive cellulose fibers. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 133-142	2.9	25
123	Efficient Covalent Modification of Multiwalled Carbon Nanotubes with Diazotized Dyes in Water at Room Temperature. <i>Langmuir</i> , 2017 , 33, 6677-6690	4	24
122	Electrochemical properties of lignin/polypyrrole composites and their carbonized analogues. <i>Materials Chemistry and Physics</i> , 2018 , 213, 352-361	4.4	24
121	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> , 2012 , 62, 50-55	4.1	24
120	Morphology, microhardness, and electrical properties of composites based on polypropylene, montmorillonite, and polypyrrole. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 407-423	2.6	24
119	Poly(propylene)/montmorillonite/polypyrrole composites: structure and conductivity. <i>Polymers for Advanced Technologies</i> , 2006 , 17, 715-726	3.2	24
118	Conductive polypropylene/clay/polypyrrole nanocomposites. <i>Polymer Engineering and Science</i> , 2006 , 46, 1069-1078	2.3	23
117	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> , 2020 , 11, 167-179	3	22
116	Impact of plasma treatment on electrical properties of TiO ₂ /RuO ₂ based DRAM capacitor. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 385304	3	22
115	Influence of surface treatment of multiwall carbon nanotubes on the properties of polypropylene/carbon nanotubes nanocomposites. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 38-47	3.2	22
114	Properties of scaffolds prepared by fused deposition modeling of poly(hydroxyalkanoates). <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 364-376	7.9	21
113	Indirect methods for the determination of optimal processing conditions in conductive polypropylene/carbon nanotubes composites. <i>Chemical Physics Letters</i> , 2010 , 498, 125-128	2.5	21

112	Acid Free Oxidation and Simple Dispersion Method of MWCNT for High-Performance CFRP. <i>Nanomaterials</i> , 2018 , 8,	5.4	21
111	Fast low-temperature plasma reduction of monolayer graphene oxide at atmospheric pressure. <i>Nanotechnology</i> , 2017 , 28, 145601	3.4	20
110	Effects of conductive graphite filler loading on physical properties of high-density polyethylene composite. <i>Polymer Composites</i> , 2012 , 33, 1071-1076	3	19
109	Properties and morphology of polypyrrole containing a surfactant. <i>Synthetic Metals</i> , 2003 , 135-136, 437-438	3.38	19
108	Interface engineered HfO ₂ -based 3D vertical ReRAM. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 215103	3	19
107	Anti-hydrolysis effect of aromatic carbodiimide in poly(lactic acid)/wood flour composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 103, 283-291	8.4	18
106	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> , 2018 , 116, 97-108	5.9	18
105	Effect of crosslinking on the properties of composites based on LDPE and conducting organic filler. <i>European Polymer Journal</i> , 2006 , 42, 2379-2388	5.2	18
104	Electrochemical preparation of thick porous polypyrrole layers. <i>Synthetic Metals</i> , 1993 , 53, 227-235	3.6	18
103	Conducting electrospun polycaprolactone/polypyrrole fibers. <i>Synthetic Metals</i> , 2018 , 235, 80-88	3.6	18
102	Nonisothermal Crystallization Kinetics and Microhardness of PP/CNT Composites. <i>Journal of Macromolecular Science - Physics</i> , 2008 , 47, 1197-1210	1.4	17
101	X-ray photoelectron spectroscopy as detection tool for coordinated or uncoordinated fluorine atoms demonstrated on fluoride systems NaF, K ₂ TaF ₇ , K ₃ TaF ₈ , K ₂ ZrF ₆ , Na ₇ Zr ₆ F ₃₁ and K ₃ ZrF ₇ . <i>Solid State Sciences</i> , 2012 , 14, 828-832	3.4	16
100	Strain and Damage Sensing in Polymer Composites and Nanocomposites with Conducting Fillers. <i>Procedia Engineering</i> , 2015 , 114, 590-597		16
99	Surface characterizations of conductive poly(methyl methacrylate)/polypyrrole composites. <i>Journal of Materials Science</i> , 2000 , 35, 1743-1749	4.3	16
98	Numerical investigation of the mechanical properties of a novel hybrid polymer composite reinforced with graphene and MXene nanosheets. <i>Computational Materials Science</i> , 2020 , 174, 109497	3.2	16
97	Synthesis and enhanced photocatalytic activity of nitrogen-doped triphasic TiO ₂ nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 377, 92-100	4.7	15
96	Switching effect in pressure deformation of silicone rubber/polypyrrole composites. <i>Synthetic Metals</i> , 2004 , 146, 121-126	3.6	15
95	Surface modification of tungsten disulfide with polypyrrole for enhancement of the conductivity and its impact on hydrogen evolution reaction. <i>Applied Surface Science</i> , 2019 , 492, 497-503	6.7	14

94	Morphology, conductivity, and mechanical properties of polypyrrole-containing composites. <i>Journal of Macromolecular Science - Physics</i> , 1999 , 38, 737-748	1.4	14
93	Dynamic Mechanical and Dielectric Properties of Ethylene Vinyl Acetate/Carbon Nanotube Composites. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 496-512	1.4	13
92	Investigation of beech wood modified by radio-frequency discharge plasma. <i>Vacuum</i> , 2015 , 119, 88-94	3.7	12
91	Piezoresistivity of conductive polymer nanocomposites: Experiment and modeling. <i>Journal of Reinforced Plastics and Composites</i> , 2018 , 37, 1085-1098	2.9	12
90	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> , 2014 , 118, 3733-3741	3.8	12
89	Polyamide grafted with polypyrrole: formation, properties, and stability. <i>Chemical Papers</i> , 2013 , 67,	1.9	12
88	Elastomeric photo-actuators and their investigation by confocal laser scanning microscopy. <i>Smart Materials and Structures</i> , 2013 , 22, 104001	3.4	12
87	Stability of electrical properties of carbon black-filled rubbers. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 2918-2924	2.9	12
86	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> , 2013 , 2, 53-61		12
85	Adsorption of an active molecule on the surface of halloysite for controlled release application: Interaction, orientation, consequences. <i>Applied Clay Science</i> , 2016 , 132-133, 167-174	5.2	12
84	Electrochemical performance of composites made of rGO with Zn-MOF and PANI as electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2021 , 367, 137563	6.7	12
83	Label-free tracking of nanosized graphene oxide cellular uptake by confocal Raman microscopy. <i>Analyst, The</i> , 2018 , 143, 3686-3692	5	11
82	Reduced percolation concentration in polypropylene/expanded graphite composites: Effect of viscosity and polypyrrole. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	11
81	Properties and thermal decomposition of polypyrrole prepared in the presence of sodium bis(2-ethylhexyl) sulfosuccinate. <i>Designed Monomers and Polymers</i> , 2004 , 7, 633-646	3.1	11
80	Wettability of MXene and its interfacial adhesion with epoxy resin. <i>Materials Chemistry and Physics</i> , 2021 , 257, 123820	4.4	11
79	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> , 2018 , 538, 350-360	5.1	11
78	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> , 2018 , 72, 1651-1667	1.9	10
77	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> , 2013 , 67,	1.9	10

76	Strain and damage monitoring in SBR nanocomposites under cyclic loading. <i>Composites Part B: Engineering</i> , 2017 , 131, 50-61	10	10
75	Catalytic activity of mono and bimetallic Zn/Cu/MWCNTs catalysts for the thermocatalyzed conversion of methane to hydrogen. <i>Applied Surface Science</i> , 2017 , 396, 574-581	6.7	10
74	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> , 2019 , 187, 52	5.8	10
73	A Multifunctional Graphene Oxide Platform for Targeting Cancer. <i>Cancers</i> , 2019 , 11,	6.6	9
72	Effect of lead thiocyanate ions on performance of tin-based perovskite solar cells. <i>Journal of Power Sources</i> , 2020 , 458, 228067	8.9	9
71	Photothermal Characterization of Nanocomposites Based on High Density Polyethylene (HDPE) Filled with Expanded Graphite. <i>International Journal of Thermophysics</i> , 2012 , 33, 2110-2117	2.1	9
70	Stability of electrical and mechanical properties of polyethylene/carbon black composites. <i>Macromolecular Symposia</i> , 2001 , 170, 231-240	0.8	9
69	Preparation and Properties of Conducting Polyolefins Composites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1998 , 35, 1117-1126	2.2	9
68	Combined electrochemical and chemical synthesis of thick polypyrrole layers and their characterization. <i>Polymer International</i> , 1994 , 34, 151-156	3.3	9
67	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> , 2019 , 21, 12396-12405	3.6	8
66	Electrospinning of Ethylene Vinyl Acetate/Carbon Nanotube Nanocomposite Fibers. <i>Polymers</i> , 2019 , 11,	4.5	8
65	Plasma-enhanced modification of multiwalled carbon nanotube with conducting polymers for dye sensitized solar cells. <i>Polymer Composites</i> , 2018 , 39, 668-674	3	8
64	Clay/Conductive Polymer Nanocomposites 2017 , 199-237		8
63	Styrene Butadiene Rubber/Carbon Filler-Based Vapor Sensors. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1149-1160	2.6	8
62	Plasma grafting of polypropylene with organosilanes and its alkylamine treatment. <i>Vacuum</i> , 2016 , 127, 38-44	3.7	8
61	Targeting of carbonic anhydrase IX-positive cancer cells by glycine-coated superparamagnetic nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 205, 111893	6	8
60	Development and characterization of composite fibers based on tragacanth gum and polyvinylpyrrolidone. <i>Composites Part B: Engineering</i> , 2019 , 169, 79-87	10	7
59	Polyfuran-based multi-walled carbon nanotubes and graphene nanocomposites as counter electrodes for dye-sensitized solar cells. <i>Research on Chemical Intermediates</i> , 2018 , 44, 3325-3335	2.8	7

58	Thermal Transitions of Polypropylene in Blends and Composites with Polypyrrole and Polypyrrole/Montmorillonite. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2007 , 56, 865-884	3	7
57	Oxidative electropolymerization of pyrrole in the presence of pyridinium chlorochromate. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 361, 169-175	4-1	7
56	Thermally Treated Graphene Oxide/Polyacrylonitrile Based Electrospun Carbon Nanofiber Precursor. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 3448-3459	1-3	7
55	Elastic composites with PDMS matrix and polysulfone-supported silver nanoparticles as filler. <i>Polymer</i> , 2021 , 217, 123480	3-9	7
54	Novel Hybrid Polymer Composites with Graphene and MXene Nano-Reinforcements: Computational Analysis. <i>Polymers</i> , 2021 , 13,	4-5	7
53	Selected Electrochemical Properties of 4,4'-((1E,1'E)-(1,2,4-Thiadiazole-3,5-diyl)bis(azaneylylidene))bis(methaneylylidene))bis(-,di-p-tolylaniline) ₃ towards Perovskite Solar Cells with 14.4% Efficiency. <i>Materials</i> , 2020 , 13,	3-5	6
52	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> , 2018 , 55, 317-323	2-2	6
51	Dye diazonium-modified multiwalled carbon nanotubes: Light harvesters for elastomeric optothermal actuators. <i>Vacuum</i> , 2018 , 155, 178-184	3-7	6
50	Prestrain relaxation in non-covalently modified ethylene-vinyl acetate PyChol multiwall carbon nanotube nanocomposites. <i>APL Materials</i> , 2014 , 2, 066105	5-7	6
49	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> , 2014 , 46, 940-944	1-5	6
48	Nano opto-mechanical systems (NOMS) as a proposal for tactile displays 2011 ,		6
47	Electrical and Mechanical Properties of Ethylene Vinyl Acetate Based Composites. <i>Materials Science Forum</i> , 2012 , 714, 193-199	0-4	6
46	Exfoliation behavior of montmorillonite modified by poly(oxyalkylene)s in polypropylene and the properties of the resulting nanocomposites. <i>Polymer Engineering and Science</i> , 2007 , 47, 1262-1271	2-3	6
45	The effect of pressure deformation on dielectric and conducting properties of silicone rubber/polypyrrole composites in the percolation threshold region. <i>Smart Materials and Structures</i> , 2005 , 14, 949-952	3-4	6
44	Preparation and Characterization of Magnetic Nanoparticles. <i>Acta Physica Polonica A</i> , 2018 , 133, 704-706	0-6	6
43	Strain Sensing Coatings for Large Composite Structures Based on 2D MXene Nanoparticles. <i>Sensors</i> , 2021 , 21,	3-8	6
42	Effects of CNT inclusions on structure and dielectric properties of PVDF/CNT nanocomposites. <i>Phase Transitions</i> , 2016 , 89, 717-730	1-3	6
41	Electrospinning of Ethylene Vinyl Acetate/Poly(Lactic Acid) Blends on a Water Surface. <i>Materials</i> , 2018 , 11,	3-5	6

40	Screen-printed PEDOT:PSS/halloysite counter electrodes for dye-sensitized solar cells. <i>Synthetic Metals</i> , 2019 , 256, 116148	3.6	5
39	Arabinogalactan- β -glucan as novel biodegradable carriers for recombinant human thrombin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016 , 27, 202-17	3.5	5
38	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> , 2015 , 132, n/a-n/a	2.9	5
37	The processing and properties of conductive polypropylene/polypyrrole composites. <i>Macromolecular Symposia</i> , 1996 , 102, 265-272	0.8	5
36	Study on the electrical conductivity and morphology of porous polypyrrole layers prepared electrochemically in the presence of pyridinium chlorochromate. <i>Journal of Materials Science</i> , 1994 , 29, 3403-3407	4.3	5
35	Study on the influence of water on the electrochemical preparation and conductivity of polypyrrole films and porous layers. <i>European Polymer Journal</i> , 1994 , 30, 1319-1325	5.2	5
34	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> , 2019 , 358, 282-292	4.4	5
33	Morphological, electrical, mechanical and thermal properties of high-density polyethylene/multiwall carbon nanotube nanocomposites: effect of aspect ratio. <i>Materials Research Express</i> , 2019 , 6, 095079	1.7	4
32	Gas phase hydroxylation of benzene with air-ammonia mixture over copper-based phosphate catalysts. <i>Applied Catalysis A: General</i> , 2014 , 481, 71-78	5.1	4
31	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> , 2015 , 119, 20091-20099	3.8	4
30	Strain Sensing in Polymer/Carbon Nanotube Composites by Electrical Resistance Measurement. <i>Procedia Engineering</i> , 2012 , 47, 774-777		4
29	Stability of electrical properties of conducting polymer composites. <i>Macromolecular Symposia</i> , 2001 , 170, 241-248	0.8	4
28	Preparation and Properties of Polypropylene/Polypyrrole Composite. <i>Materials Science Forum</i> , 1995 , 191, 47-52	0.4	4
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