

# Miroslav Slouf

## List of Publications by Year in descending order

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311  
papers

6,869  
citations

76294

40  
h-index

128225

60  
g-index

315  
all docs

315  
docs citations

315  
times ranked

8567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation of LDPE_TPS blends under controlled composting conditions. <i>Polymer Bulletin</i> , 2023, 80, 3331-3357.	1.7	3
2	In-situ generation of Au nanoparticles in poly(methyl methacrylate) films via MeV proton irradiation. <i>Materials Chemistry and Physics</i> , 2022, 275, 125205.	2.0	1
3	Biodegradable Thermoplastic Starch/Polycaprolactone Blends with Co-Continuous Morphology Suitable for Local Release of Antibiotics. <i>Materials</i> , 2022, 15, 1101.	1.3	7
4	Nanocrystalline chloroxine possesses broad-spectrum antimicrobial activities and excellent skin tolerability in mice. <i>Nanomedicine</i> , 2022, 17, 137-149.	1.7	0
5	Laser-Promoted Immobilization of Ag Nanoparticles: Effect of Surface Morphology of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overl	1.9	4
6	Fluorinated Ferrocene Moieties as a Platform for Redox-Responsive Polymer <sup>19</sup> F MRI Theranostics. <i>Macromolecules</i> , 2022, 55, 658-671.	2.2	6
7	Morphological Transformation in Polymer Composite Materials Filled with Carbon Nanoparticles: Part 1 SEM and XRD Investigations. <i>Materials</i> , 2022, 15, 3531.	1.3	2
8	Biocompatible hydrogels based on chitosan, cellulose/starch, PVA and PEDOT:PSS with high flexibility and high mechanical strength. <i>Cellulose</i> , 2022, 29, 6697-6717.	2.4	14
9	Anionically Functionalized Glycogen Encapsulates Melittin by Multivalent Interaction. <i>Biomacromolecules</i> , 2022, 23, 3371-3382.	2.6	3
10	Comparison of macro-, micro- and nanomechanical properties of clinically-relevant UHMWPE formulations. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 120, 104205.	1.5	14
11	Communicating macropores in PHEMA-based hydrogels for cell seeding: Probabilistic open pore simulation and direct micro-CT proof. <i>Materials and Design</i> , 2021, 198, 109312.	3.3	7
12	Ultra-extensible solvent-free elastomers based on nanocomposite poly(2-methoxyethylacrylate)/clay xerogels. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49836.	1.3	2
13	Colloidally Stable P(DMA-AGME)-Ale-Coated Gd(Tb)F <sub>3</sub> :Tb <sup>3+</sup> (Gd <sup>3+</sup> ),Yb <sup>3+</sup> ,Nd <sup>3+</sup> Nanoparticles as a Multimodal Contrast Agent for Down- and Upconversion Luminescence, Magnetic Resonance Imaging, and Computed Tomography. <i>Nanomaterials</i> , 2021, 11, 230.	1.9	16
14	Polyacrylamide brushes with varied morphologies as a tool for control of the intermolecular interactions within EPDM/MVQ blends. <i>Polymer</i> , 2021, 215, 123387.	1.8	4
15	Magnetic cobalt oxide nanosheets: green synthesis and in vitro cytotoxicity. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1423-1432.	1.7	23
16	Thermo- and ROS-Responsive Self-Assembled Polymer Nanoparticle Tracers for <sup>19</sup> F MRI Theranostics. <i>Biomacromolecules</i> , 2021, 22, 2325-2337.	2.6	24
17	Tough and flexible conductive triple network hydrogels based on agarose/polyacrylamide/polyvinyl alcohol and poly(3,4-ethylenedioxythiophene):polystyrene sulfonate. <i>Polymer International</i> , 2021, 70, 1523-1533.	1.6	8
18	Powder Nano-Beam Diffraction in Scanning Electron Microscope: Fast and Simple Method for Analysis of Nanoparticle Crystal Structure. <i>Nanomaterials</i> , 2021, 11, 962.	1.9	8

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19	Macromechanical and micromechanical properties of polymers with reduced density of entanglements. <i>Polymer Engineering and Science</i> , 2021, 61, 1773-1790.	1.5	9
20	High-strength nanocomposite self-regenerating hydrogels reinforced by additional crosslinking with trivalent metal cations. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	4
21	Starch-based biodegradable film with poly(butylene adipate-co-terephthalate): preparation, morphology, thermal and biodegradation properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 610-621.	1.2	13
22	A versatile $\beta$ -cyclodextrin and N-heterocyclic palladium complex bi-functionalized iron oxide nanoadsorbent for water treatment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 55419-55432.	2.7	6
23	Magnetic Superporous Poly(2-hydroxyethyl methacrylate) Hydrogel Scaffolds for Bone Tissue Engineering. <i>Polymers</i> , 2021, 13, 1871.	2.0	5
24	Effect of micropores on CO <sub>2</sub> capture in ordered mesoporous CMK-3 carbon at atmospheric pressure. <i>Adsorption</i> , 2021, 27, 1221-1236.	1.4	16
25	Surface Texturing of Polyethylene Terephthalate Induced by Excimer Laser in Silver Nanoparticle Colloids. <i>Materials</i> , 2021, 14, 3263.	1.3	4
26	In vitro cellular activity of maghemite/cerium oxide magnetic nanoparticles with antioxidant properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111824.	2.5	10
27	Pro-oxidant activity of biocompatible catechin stabilizer during photooxidation of polyolefins. <i>Polymer Degradation and Stability</i> , 2021, 193, 109735.	2.7	2
28	Reversible multilayered vesicle-like structures with fluid hydrophobic and interpolyelectrolyte layers. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 313-325.	5.0	5
29	Optomechanical Processing of Silver Colloids: New Generation of Nanoparticle-Polymer Composites with Bactericidal Effect. <i>International Journal of Molecular Sciences</i> , 2021, 22, 312.	1.8	9
30	Monolithic nanocomposite hydrogels with fast dual T- and pH- stimuli responsiveness combined with high mechanical properties. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6079-6097.	2.6	6
31	Green synthesis of bimetallic Zn-CuO nanoparticles and their cytotoxicity properties. <i>Scientific Reports</i> , 2021, 11, 23479.	1.6	88
32	High Resolution Powder Electron Diffraction in Scanning Electron Microscopy. <i>Materials</i> , 2021, 14, 7550.	1.3	5
33	Spermine amides of selected triterpenoid acids: dynamic supramolecular system formation influences the cytotoxicity of the drugs. <i>Journal of Materials Chemistry B</i> , 2020, 8, 484-491.	2.9	22
34	Revealing the True Morphological Structure of Macroporous Soft Hydrogels for Tissue Engineering. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6672.	1.3	17
35	The effect of short polystyrene brushes grafted from graphene oxide on the behavior of miscible PMMA/SAN blends. <i>Polymer</i> , 2020, 211, 123088.	1.8	9
36	Highly colloidally stable trimodal <sup>125</sup> I-radiolabeled PEG-neridronate-coated upconversion/magnetic bioimaging nanoprobe. <i>Scientific Reports</i> , 2020, 10, 20016.	1.6	12

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37	Low-Temperature-Meltable Elastomers Based on Linear Polydimethylsiloxane Chains Alpha, Omega-Terminated with Mesogenic Groups as Physical Crosslinker: A Passive Smart Material with Potential as Viscoelastic Coupling. Part II: Viscoelastic and Rheological Properties. <i>Polymers</i> , 2020, 12, 2840.	2.0	1
38	Editorial: Biodegradable Matrices and Composites. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	2
39	Low-Temperature Meltable Elastomers Based on Linear Polydimethylsiloxane Chains Alpha, Omega-Terminated with Mesogenic Groups as Physical Crosslinkers: A Passive Smart Material with Potential as Viscoelastic Coupling. Part I: Synthesis and Phase Behavior. <i>Polymers</i> , 2020, 12, 2476.	2.0	3
40	Macro-, Micro- and Nanomechanical Characterization of Crosslinked Polymers with Very Broad Range of Mechanical Properties. <i>Polymers</i> , 2020, 12, 2951.	2.0	14
41	Meltable copolymeric elastomers based on polydimethylsiloxane with multiplets of pendant liquid-crystalline groups as physical crosslinker: A self-healing structural material with a potential for smart applications. <i>European Polymer Journal</i> , 2020, 137, 109962.	2.6	5
42	One-step synthesis of polyaniline-silver cryogels. <i>Journal of Materials Science</i> , 2020, 55, 10427-10434.	1.7	3
43	Analysis and removal of air pollutants from scorched wood. <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 248-257.	0.9	0
44	Wide-Cone Angle Phase-Contrast X-Ray Computed Tomography of Synthetic Polymer Materials. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 8910-8918.	2.4	4
45	Monodisperse Core-Shell NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> @NaYF <sub>4</sub> :Nd <sup>3+</sup> -PEG-CGGRCDSGGY-NH <sub>2</sub> Nanoparticles Excitable at 808 and 980 nm: Design, Surface Engineering, and Application in Life Sciences. <i>Frontiers in Chemistry</i> , 2020, 8, 497.	1.8	18
46	Structure Characterization and Biodegradation Rate of Poly( $\mu$ -caprolactone)/Starch Blends. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	49
47	Thermoplastic Starch Composites With Titanium Dioxide and Vancomycin Antibiotic: Preparation, Morphology, Thermomechanical Properties, and Antimicrobial Susceptibility Testing. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	10
48	Microscopic Structure of Swollen Hydrogels by Scanning Electron and Light Microscopies: Artifacts and Reality. <i>Polymers</i> , 2020, 12, 578.	2.0	62
49	$\epsilon$ -Butyrolactone Copolymerization with the Well-Documented Polymer Drug Carrier Poly(ethylene) Tj ETQq1 1 0.784314 rgBT / Overlock 10 TF 2020, 20, 1900408.	2.1	5
50	Polyethylenimine based magnetic nanoparticles mediated non-viral CRISPR/Cas9 system for genome editing. <i>Scientific Reports</i> , 2020, 10, 4619.	1.6	64
51	Monitoring of Morphology and Properties During Preparation of PCL/PLA Microfibrillar Composites With Organophilic Montmorillonite. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	6
52	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq0 0 0 rgBT / Overlock 10 TF 0.9	0.9	7
53	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq1 1 0.784314 rgBT / Overlock 10 TF 0.9	0.9	7
54	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq0 0 0 rgBT / Overlock 10 TF 1485-1501.	0.9	3

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55	Structure, processing and performance of ultra-high molecular weight polyethylene (IUPAC Technical) Tj ETQq1 1 0,784314 rgBT /Overl	0,9	0
56	Properties of water steam-treated maple wood ( <i>Acer pseudoplatanus</i> L.).. Wood Research, 2020, 65, 865-876.	0.2	0
57	Evolution of Structure in a Comb Copolymerâ€“Surfactant Coacervate. Macromolecules, 2019, 52, 6303-6310.	2.2	4
58	Controlled Tuning of the Size of Ag-Hydrosol Nanoparticles by Nonstabilized THF and Detection of Peroxides in THF. Langmuir, 2019, 35, 9831-9840.	1.6	3
59	Surface protolytic property characterization of hydroxyapatite and titanium dioxide nanoparticles. RSC Advances, 2019, 9, 21989-21995.	1.7	12
60	Controlled biodegradability of functionalized thermoplastic starch based materials. Polymer Degradation and Stability, 2019, 170, 108995.	2.7	18
61	Transport Properties of Poly(lactic acid)/Clay Nanocomposites. Polymer Engineering and Science, 2019, 59, 2498-2501.	1.5	13
62	Phase Structure, Compatibility, and Toughness of PLA/PCL Blends: A Review. Frontiers in Materials, 2019, 6, .	1.2	114
63	Porous hybrid poly(N-isopropylacrylamide) hydrogels with very fast volume response to temperature and pH. European Polymer Journal, 2019, 120, 109213.	2.6	12
64	Monolithic intercalated PNIPAm/starch hydrogels with very fast and extensive one-way volume and swelling responses to temperature and pH: prospective actuators and drug release systems. Soft Matter, 2019, 15, 752-769.	1.2	26
65	Prooxidant activity of phenolic stabilizers in polyolefins during accelerated photooxidation. Polymer Degradation and Stability, 2019, 166, 307-324.	2.7	10
66	A Multifunctional Graphene Oxide Platform for Targeting Cancer. Cancers, 2019, 11, 753.	1.7	17
67	Morphological, electrical, mechanical and thermal properties of high-density polyethylene/multiwall carbon nanotube nanocomposites: effect of aspect ratio. Materials Research Express, 2019, 6, 095079.	0.8	8
68	Synthesis of amphiphilic copolymers based on dendritic polyethylene grafted by polyhydroxyethylmethacrylate and polyhydroxypropylmethacrylate and their use for construction of nanoparticles. European Polymer Journal, 2019, 115, 193-200.	2.6	15
69	Quantitative STEM imaging of electron beam induced mass loss of epoxy resin sections. Ultramicroscopy, 2019, 202, 44-50.	0.8	11
70	Thermoplastic Starch Composites Filled With Isometric and Elongated TiO2-Based Nanoparticles. Frontiers in Materials, 2019, 6, .	1.2	6
71	Biodegradability of blends based on aliphatic polyester and thermoplastic starch. Chemical Papers, 2019, 73, 1121-1134.	1.0	15
72	Fluorine-containing block/branched polyamphiphiles forming bioinspired complexes with biopolymers. Colloids and Surfaces B: Biointerfaces, 2019, 174, 393-400.	2.5	12

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73	Structure evolution during orderâ€“disorder transitions in aliphatic polycarbonate based polyurethanes. Self-healing polymer. Chemical Engineering Journal, 2019, 357, 611-624.	6.6	23
74	Wellâ€“dispersed polyurethane/cellulose nanocrystal nanocomposites synthesized by a solventâ€“free procedure in bulk. Polymer Composites, 2019, 40, E456.	2.3	21
75	Porous Heat-Treated Polyacrylonitrile Scaffolds for Bone Tissue Engineering. ACS Applied Materials & Interfaces, 2018, 10, 8496-8506.	4.0	20
76	Advanced two-step cryopolymerization to form superporous thermosensitive PNIPA/clay gels with unique mechanical properties and ultrafast swelling-deswelling kinetics. Colloid and Polymer Science, 2018, 296, 753-769.	1.0	13
77	Enamel apatite crystallinity significantly contributes to mammalian dental adaptations. Scientific Reports, 2018, 8, 5544.	1.6	9
78	Strong synergistic improvement of mechanical properties in HDPE/COC blends with fibrillar morphology. Polymer Engineering and Science, 2018, 58, 1955-1964.	1.5	13
79	Î²-Cyclodextrin-epichlorohydrin polymer/graphene oxide nanocomposite: preparation and characterization. Chemical Papers, 2018, 72, 1299-1313.	1.0	30
80	On the key role of SiO <sub>2</sub> @POSS hybrid filler in tailoring networking and interfaces in rubber nanocomposites. Polymer Testing, 2018, 65, 429-439.	2.3	18
81	Relations between morphology and micromechanical properties of alpha, beta and gamma phases of iPP. Polymer Testing, 2018, 67, 522-532.	2.3	34
82	Tungsten (VI) based â€œmolecular puzzleâ€“photoluminescent nanoparticles easily covered with biocompatible natural polysaccharides via direct chelation. Journal of Colloid and Interface Science, 2018, 512, 308-317.	5.0	4
83	IO8â€“...Nanoparticle based CRSIPR/CAS gene editing system to treat huntingtonâ€™s disease. , 2018, , .		0
84	Micromechanical Properties of UHMWPEâ€™S with Different Molecular Weights. Key Engineering Materials, 2018, 784, 33-37.	0.4	0
85	UV degradation of styrene-butadiene rubber versus high density poly(ethylene) in marine conditions studied by infrared spectroscopy, micro indentation, and electron spin resonance imaging. Polymer Degradation and Stability, 2018, 156, 132-143.	2.7	15
86	Prediction of compatibility of organomodified clay with various polymers using rheological measurements. Polymer Testing, 2018, 69, 359-365.	2.3	13
87	One-pot preparation of surface-functionalized barium titanate nanoparticles for high-K polystyrene composite films prepared via floating method. Journal of Materials Science, 2018, 53, 11343-11354.	1.7	13
88	Nanostructure of hyaluronan acyl-derivatives in the solid state. Carbohydrate Polymers, 2018, 195, 468-475.	5.1	2
89	PLA based bionanocomposites and their transport properties. AIP Conference Proceedings, 2018, , .	0.3	0
90	Self-Assembled Thermoresponsive Polymeric Nanogels for <sup>19</sup> F MR Imaging. Biomacromolecules, 2018, 19, 3515-3524.	2.6	49

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91	Formation of core/corona nanoparticles with interpolyelectrolyte complex cores in aqueous solution: insight into chain dynamics in the complex from fluorescence quenching. <i>Soft Matter</i> , 2018, 14, 7578-7585.	1.2	6
92	Self-assembled chitosan-alginate polyplex nanoparticles containing temoporfin. <i>Colloid and Polymer Science</i> , 2017, 295, 1259-1270.	1.0	14
93	Stabilization of aqueous dispersions of poly(methacrylic acid)-coated iron oxide nanoparticles by double hydrophilic block polyelectrolyte poly(ethylene oxide)-block-poly(N-methyl-2-vinylpyridinium) Tj ETQq1 1 0.784314 rg33 /Over	1.0	14
94	Synthesis of conductive doubly filled poly(N-isopropylacrylamide)-polyaniline-SiO <sub>2</sub> hydrogels. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 616-634.	4.0	34
95	The effect of ionizing radiation on biocompatible polymers: From sterilization to radiolysis and hydrogel formation. <i>Polymer Degradation and Stability</i> , 2017, 137, 1-10.	2.7	25
96	Strong synergistic effects in PLA/PCL blends: Impact of PLA matrix viscosity. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 69, 229-241.	1.5	87
97	Impact of particle morphology on structure, crystallization kinetics, and properties of PCL composites with TiO <sub>2</sub> -based particles. <i>Polymer Bulletin</i> , 2017, 74, 445-464.	1.7	13
98	Pro-oxidant activity of Î±-tocopherol during photooxidative degradation of polyolefins. ESRI and IR microspectroscopy studies. <i>Polymer Degradation and Stability</i> , 2017, 138, 55-71.	2.7	19
99	Poly(N-isopropylacrylamide)-SiO <sub>2</sub> nanocomposites interpenetrated by starch: Stimuli-responsive hydrogels with attractive tensile properties. <i>European Polymer Journal</i> , 2017, 88, 349-372.	2.6	32
100	Physico-chemical characteristics, biocompatibility, and MRI applicability of novel monodisperse PEG-modified magnetic Fe <sub>3</sub> O <sub>4</sub> & SiO <sub>2</sub> core-shell nanoparticles. <i>RSC Advances</i> , 2017, 7, 8786-8797.	1.7	44
101	Arrays of Ag and Au Nanoparticles with Terpyridine- and Thiophene-Based Ligands: Morphology and Optical Responses. <i>Langmuir</i> , 2017, 33, 4146-4156.	1.6	12
102	Properties of natural rubber composites with structurally different clay intercalable surfactants. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	7
103	Tremendous reinforcing, pore-stabilizing and response-accelerating effect of <i>in situ</i> generated nanosilica in thermoresponsive poly( <i>N</i> -isopropylacrylamide) cryogels. <i>Polymer International</i> , 2017, 66, 1510-1521.	1.6	15
104	Thermoplastic starch composites with TiO <sub>2</sub> particles: Preparation, morphology, rheology and mechanical properties. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 273-282.	3.6	31
105	Insight into the cryopolymerization to form a poly(N-isopropylacrylamide)/clay macroporous gel: structure and phase evolution. <i>Soft Matter</i> , 2017, 13, 1244-1256.	1.2	19
106	Poly(3-hexylthiophene)/gold nanoparticle nanocomposites: relationship between morphology and electrical conductivity. <i>Chemical Papers</i> , 2017, 71, 401-408.	1.0	3
107	Biodistribution of upconversion/magnetic silica-coated NaGdF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanoparticles in mouse models. <i>RSC Advances</i> , 2017, 7, 45997-46006.	1.7	21
108	Polymer imaging in SEM charge, damage and coating free. <i>Microscopy and Microanalysis</i> , 2017, 23, 1816-1817.	0.2	2

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109	Surface enhanced infrared absorption spectroscopy for graphene functionalization on copper. Carbon, 2017, 124, 250-255.	5.4	9
110	Spectral and microscopic study of self-assembly of novel cationic spermine amides of betulinic acid. Steroids, 2017, 117, 90-96.	0.8	18
111	Improved enzyme-mediated synthesis and supramolecular self-assembly of naturally occurring conjugates of $\beta$ -sitosterol. Steroids, 2017, 117, 38-43.	0.8	9
112	Mammalian enamel maturation: Crystallographic changes prior to tooth eruption. PLoS ONE, 2017, 12, e0171424.	1.1	12
113	Preparation and characterization of Metal Complex Hydrogels Crosslinked with Hyperbranched Polyester. Egyptian Journal of Chemistry, 2017, .	0.1	0
114	Nanocomposite of CeO <sub>2</sub> and High-Coercivity Magnetic Carrier with Large Specific Surface Area. Journal of Nanomaterials, 2016, 2016, 1-13.	1.5	0
115	Improved biocompatibility and efficient labeling of neural stem cells with poly(L-lysine)-coated maghemite nanoparticles. Beilstein Journal of Nanotechnology, 2016, 7, 926-936.	1.5	29
116	Changes in the fine structure of the polymeric nanocomposites according to the shape of nanoparticles. AIP Conference Proceedings, 2016, , .	0.3	1
117	Anisotropy in CNT composite fabricated by combining directional freezing and gamma irradiation of acrylic acid. Materials and Design, 2016, 97, 300-306.	3.3	6
118	The effect of gamma irradiation in air and inert atmosphere on structure and properties of unfilled or glass fibre-reinforced polyamide 6. Polymer Bulletin, 2016, 73, 1775-1794.	1.7	9
119	NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> Upconversion Nanoparticles for Infrared Photodynamic Therapy of Tumors. Biophysical Journal, 2016, 110, 652a.	0.2	0
120	Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Nanoparticles: Synthesis by Thermal Decomposition of Iron(III) Glucuronate and Application in Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2016, 8, 7238-7247.	4.0	114
121	Influence of Corona Structure on Binding of an Ionic Surfactant in Oppositely Charged Amphiphilic Polyelectrolyte Micelles. Langmuir, 2016, 32, 4059-4065.	1.6	10
122	Composite particles formed by complexation of poly(methacrylic acid) " stabilized magnetic fluid with chitosan: Magnetic material for bioapplications. Materials Science and Engineering C, 2016, 67, 486-492.	3.8	9
123	Study of <sup>223</sup> Ra uptake mechanism by Fe <sub>3</sub> O <sub>4</sub> nanoparticles: towards new prospective theranostic SPIONs. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	55
124	Modified glycogen as construction material for functional biomimetic microfibers. Carbohydrate Polymers, 2016, 152, 271-279.	5.1	10
125	Temoporfin-loaded 1-tetradecanol-based thermoresponsive solid lipid nanoparticles for photodynamic therapy. Journal of Controlled Release, 2016, 241, 34-44.	4.8	33
126	RGDS- and TAT-Conjugated Upconversion of NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> & SiO <sub>2</sub> Nanoparticles: In Vitro Human Epithelioid Cervix Carcinoma Cellular Uptake, Imaging, and Targeting. ACS Applied Materials & Interfaces, 2016, 8, 20422-20431.	4.0	36



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127	The effect of UV irradiation on the electrospun PCL/TiO <sub>2</sub> composites fibers. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	12
128	Fluorescent boronate-based polymer nanoparticles with reactive oxygen species (ROS)-triggered cargo release for drug-delivery applications. <i>Nanoscale</i> , 2016, 8, 6958-6963.	2.8	54
129	Visualization of carbon nanotubes dispersion in composite by using confocal laser scanning microscopy. <i>European Polymer Journal</i> , 2016, 79, 187-197.	2.6	19
130	Cyclic olefin copolymer-silica nanocomposites foams. <i>Journal of Materials Science</i> , 2016, 51, 3907-3916.	1.7	14
131	Nucleation of Polypropylene Crystallization with Gold Nanoparticles. Part 2: Relation between Particle Morphology and Nucleation Activity. <i>Journal of Macromolecular Science - Physics</i> , 2016, 55, 393-410.	0.4	9
132	Characterisation of morphological, antimicrobial and leaching properties of in situ prepared polyurethane nanofibres doped with silver behenate. <i>RSC Advances</i> , 2016, 6, 23816-23826.	1.7	4
133	Effect of the dimethylsilyloxy co-monomer on the chemistry of polysiloxane pyrolysis to SiOC. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 117, 30-45.	2.6	11
134	Mechanical behaviour of cyclic olefin copolymer/exfoliated graphite nanoplatelets nanocomposites foamed through supercritical carbon dioxide. <i>EXPRESS Polymer Letters</i> , 2016, 10, 977-989.	1.1	16
135	Preparation of conducting polysiloxane/polyaniline composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	6
136	Self-assembled anchor layers/polysaccharide coatings on titanium surfaces: a study of functionalization and stability. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 617-631.	1.5	37
137	Silica-coated upconversion lanthanide nanoparticles: The effect of crystal design on morphology, structure and optical properties. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2290-2299.	1.5	11
138	In situ Observation of Nucleated Polymer Crystallization in Polyoxymethylene Sandwich Composites. <i>Frontiers in Materials</i> , 2015, 2, .	1.2	6
139	Evaluation of poly(ethylene glycol)-coated monodispersed magnetic poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 68, 687-696.	2.6	11
140	Micromechanical properties of one-step and sequentially crosslinked UHMWPEs for total joint replacements. <i>Polymer Testing</i> , 2015, 41, 191-197.	2.3	35
141	Morphological analysis of polymer systems with broad particle size distribution. <i>Polymer Testing</i> , 2015, 42, 8-16.	2.3	14
142	Reactivity of the tin homolog of POSS, butylstannoxane dodecamer, in oxygen-induced crosslinking reactions with an organic polymer matrix: Study of long-time behavior. <i>Polymer Degradation and Stability</i> , 2015, 118, 147-166.	2.7	14
143	Spinning, drawing and physical properties of polypropylene nanocomposite fibers with fumed nanosilica. <i>EXPRESS Polymer Letters</i> , 2015, 9, 277-290.	1.1	37
144	Aggregation of superparamagnetic iron oxide nanoparticles in dilute aqueous dispersions: Effect of coating by double-hydrophilic block polyelectrolyte. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 1-7.	2.3	11

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145	Long-term accelerated weathering of HAS stabilized PE and PP plaques: Compliance of ESRI, IR, and microhardness data characterizing heterogeneity of photooxidation. <i>Polymer Degradation and Stability</i> , 2015, 120, 114-121.	2.7	21
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