

Petr Saha

List of Publications by Year in descending order

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347
papers

9,750
citations

26626

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352
docs citations

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times ranked

11034
citing authors

#	ARTICLE	IF	CITATIONS
1	HaCaT Keratinocytes Response on Antimicrobial Atelocollagen Substrates: Extent of Cytotoxicity, Cell Viability and Proliferation. <i>Journal of Functional Biomaterials</i> , 2014, 5, 43-57.	4.4	245
2	Biocompatibility of polyaniline. <i>Synthetic Metals</i> , 2012, 162, 722-727.	3.9	238
3	A self-healable and easily recyclable supramolecular hydrogel electrolyte for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8769-8776.	10.3	238
4	Surface-modified antibacterial TiO ₂ /Ag ⁺ nanoparticles: Preparation and properties. <i>Applied Surface Science</i> , 2006, 252, 4154-4160.	6.1	212
5	On the development and characterisation of crosslinked sodium alginate/gelatine hydrogels. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 18, 152-166.	3.1	191
6	Biodegradation of PVP- <i>g</i> -CMC hydrogel film: A useful food packaging material. <i>Carbohydrate Polymers</i> , 2012, 89, 346-353.	10.2	148
7	Prehydrolyzed Cellulose as Reinforcing Filler for Thermoplastics. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1987, 11, 229-262.	3.4	124
8	ZnO@MOF@PANI core-shell nanoarrays on carbon cloth for high-performance supercapacitor electrodes. <i>Journal of Energy Chemistry</i> , 2019, 35, 124-131.	12.9	122
9	The effect of dielectric properties on the electrorheology of suspensions of silica particles coated with polyaniline. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 321, 411-424.	2.6	109
10	Multi-wall carbon nanotube networks as potential resistive gas sensors for organic vapor detection. <i>Carbon</i> , 2011, 49, 2499-2507.	10.3	109
11	MnO ₂ nanoflake/polyaniline nanorod hybrid nanostructures on graphene paper for high-performance flexible supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17165-17171.	10.3	109
12	The deformation behavior of conductivity in composites where charge carrier transport is by tunneling: theoretical modeling and experimental results. <i>Synthetic Metals</i> , 2005, 148, 141-146.	3.9	104
13	Electrorheological characteristics of polyaniline/titanate composite nanotube suspensions. <i>Colloid and Polymer Science</i> , 2009, 287, 435-441.	2.1	100
14	Antibacterial poly(vinyl alcohol) film containing silver nanoparticles: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3178-3185.	2.6	98
15	A highly-deformable composite composed of an entangled network of electrically-conductive carbon-nanotubes embedded in elastic polyurethane. <i>Carbon</i> , 2012, 50, 3446-3453.	10.3	97
16	Polyurethane/multiwalled carbon nanotube nanoweb prepared by an electrospinning process. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2711-2714.	2.6	96
17	A facile prestrain-stick-release assembly of stretchable supercapacitors based on highly stretchable and sticky hydrogel electrolyte. <i>Journal of Power Sources</i> , 2015, 284, 400-408.	7.8	96
18	Magnetic behaviour of composites containing polyaniline-coated manganese-zinc ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 269, 30-37.	2.3	94

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19	Controlled synthesis of hierarchical polyaniline nanowires/ordered bimodal mesoporous carbon nanocomposites with high surface area for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2013, 240, 544-550.	7.8	94
20	On the effect of pressure on the shear and elongational viscosities of polymer melts. <i>Polymer Engineering and Science</i> , 2004, 44, 1328-1337.	3.1	93
21	Rheological properties of magnetorheological suspensions based on core-shell structured polyaniline-coated carbonyl iron particles. <i>Smart Materials and Structures</i> , 2010, 19, 115008.	3.5	93
22	On the characterization of sodium alginate/gelatin-based hydrogels for wound dressing. <i>Journal of Applied Polymer Science</i> , 2012, 126, E79.	2.6	89
23	Conducting polypyrrole confined in ordered mesoporous silica SBA-15 channels: Preparation and its electrorheology. <i>Microporous and Mesoporous Materials</i> , 2006, 93, 263-269.	4.4	88
24	Recent Progress in Surface Modification of Polyvinyl Chloride. <i>Materials</i> , 2012, 5, 2937-2959.	2.9	87
25	Electrorheological properties of suspensions of hollow globular titanium oxide/polypyrrole particles. <i>Colloid and Polymer Science</i> , 2012, 290, 41-48.	2.1	82
26	Colloidal polyaniline dispersions: Antibacterial activity, cytotoxicity and neutrophil oxidative burst. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 411-417.	5.0	82
27	Hydrothermal effect and mechanical stress properties of carboxymethylcellulose based hydrogel food packaging. <i>Carbohydrate Polymers</i> , 2015, 117, 559-568.	10.2	80
28	Electrical conductivity of carbon fibres/polyester resin composites in the percolation threshold region. <i>European Polymer Journal</i> , 2002, 38, 2343-2347.	5.4	78
29	Electromagnetic shielding of epoxy resin composites containing carbon fibers coated with polyaniline base. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 335, 421-429.	2.6	77
30	The formation mechanism of iron oxide nanoparticles within the microwave-assisted solvothermal synthesis and its correlation with the structural and magnetic properties. <i>Dalton Transactions</i> , 2015, 44, 21099-21108.	3.3	76
31	Fabrication of polyaniline/mesoporous carbon/MnO ₂ ternary nanocomposites and their enhanced electrochemical performance for supercapacitors. <i>Electrochimica Acta</i> , 2012, 71, 27-32.	5.2	75
32	3D Porous Ti ₃ C ₂ MXene/NiCo-MOF Composites for Enhanced Lithium Storage. <i>Nanomaterials</i> , 2020, 10, 695.	4.1	75
33	Electrorheological activity of polyphenylenediamine suspensions in silicone oil. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 283, 337-348.	2.6	73
34	Synthesis and electrorheological characteristics of sea urchin-like TiO ₂ hollow spheres. <i>Colloid and Polymer Science</i> , 2011, 289, 799-805.	2.1	73
35	MnO ₂ nanoflakes/hierarchical porous carbon nanocomposites for high-performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2015, 164, 252-259.	5.2	73
36	Bacterial cellulose and guar gum based modified PVP-CMC hydrogel films: Characterized for packaging fresh berries. <i>Food Packaging and Shelf Life</i> , 2019, 22, 100402.	7.5	72

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37	Broadening of Operating Frequency Band of Magnetic-Type Radio Absorbers by FSS Incorporation. IEEE Transactions on Antennas and Propagation, 2010, 58, 1227-1235.	5.1	71
38	An in vitro bacterial adhesion assessment of surface-modified medical-grade PVC. Colloids and Surfaces B: Biointerfaces, 2010, 77, 246-256.	5.0	69
39	Few-layer MoS ₂ nanosheets incorporated into hierarchical porous carbon for lithium-ion batteries. Chemical Engineering Journal, 2016, 288, 179-184.	12.7	69
40	Polysaccharides Coatings on Medical-Grade PVC: A Probe into Surface Characteristics and the Extent of Bacterial Adhesion. Molecules, 2010, 15, 1007-1027.	3.8	68
41	Morphology-controllable synthesis of MnO ₂ hollow nanospheres and their supercapacitive performance. New Journal of Chemistry, 2013, 37, 722.	2.8	68
42	The electrorheological efficiency of polyaniline particles with various conductivities suspended in silicone oil. Colloid and Polymer Science, 2009, 287, 403-412.	2.1	66
43	Ultrathin MnO ₂ nanoflakes grown on N-doped carbon nanoboxes for high-energy asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 21337-21342.	10.3	66
44	Magnetic materials based on manganese-zinc ferrite with surface-organized polyaniline coating. Journal of Magnetism and Magnetic Materials, 2006, 301, 155-165.	2.3	65
45	Cell Proliferation of HaCaT Keratinocytes on Collagen Films Modified by Argon Plasma Treatment. Molecules, 2010, 15, 2845-2856.	3.8	64
46	Influence of particle concentration on the electrorheological efficiency of polyaniline suspensions. European Polymer Journal, 2003, 39, 641-645.	5.4	62
47	Surfactant-assisted polypyrrole/titanate composite nanofibers: Morphology, structure and electrical properties. Synthetic Metals, 2008, 158, 953-957.	3.9	62
48	Polymeric Biomaterial Based Hydrogels for Biomedical Applications. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 85-90.	0.5	62
49	Development and Characterization of Novel Medicated Hydrogels for Wound Dressing. Soft Materials, 2010, 8, 130-148.	1.7	61
50	A Physicochemical Approach to Render Antibacterial Surfaces on Plasma-Treated Medical-Grade PVC: Irganox Coating. Plasma Processes and Polymers, 2010, 7, 504-514.	3.0	60
51	Electromagnetic absorption efficiency of polypropylene/montmorillonite/polypyrrole nanocomposites. Materials & Design, 2011, 32, 2006-2011.	5.1	60
52	Interface-engineered MoS ₂ /C nanosheet heterostructure arrays for ultra-stable sodium-ion batteries. Chemical Engineering Science, 2017, 174, 104-111.	3.8	60
53	Synthesis and structural properties of polypyrrole/nano-Y ₂ O ₃ conducting composite. Applied Surface Science, 2006, 253, 1736-1740.	6.1	59
54	Permeability and Biocompatibility of Novel Medicated Hydrogel Wound Dressings. Soft Materials, 2010, 8, 338-357.	1.7	59

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55	Phenolic Compounds from <i>Allium schoenoprasum</i> , <i>Tragopogon pratensis</i> and <i>Rumex acetosa</i> and Their Antiproliferative Effects. <i>Molecules</i> , 2011, 16, 9207-9217.	3.8	59
56	Electrorheological properties of new mesoporous material with conducting polypyrrole in mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2006, 94, 193-199.	4.4	57
57	The effect of dispersed particle size and shape on the electrorheological behaviour of suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 227, 1-8.	4.7	55
58	Electrorheology of polyaniline-coated silica particles in silicone oil. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 1773-1780.	2.8	54
59	Synthesis and characterization of new mesoporous material with conducting polypyrrole confined in mesoporous silica. <i>Materials Chemistry and Physics</i> , 2006, 98, 504-508.	4.0	54
60	MnO ₂ /polyaniline hybrid nanostructures on carbon cloth for supercapacitor electrodes. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1459-1467.	2.5	54
61	The effect of polyaniline layer deposited on silica particles on electrorheological and dielectric properties of their silicone oil suspensions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 353, 21-28.	2.6	53
62	Correlation between the microstructure and the electromagnetic properties of carbonyl iron filled polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 2471-2485.	7.6	52
63	The enhancement of the oxidation resistance of carbonyl iron by polyaniline coating and consequent changes in electromagnetic properties. <i>Polymer Degradation and Stability</i> , 2008, 93, 1826-1831.	5.8	52
64	Hierarchical PANI/NiCo-LDH Core-Shell Composite Networks on Carbon Cloth for High Performance Asymmetric Supercapacitor. <i>Nanomaterials</i> , 2019, 9, 527.	4.1	51
65	Effect of Iron-Oxide Nanoparticles Impregnated Bacterial Cellulose on Overall Properties of Alginate/Casein Hydrogels: Potential Injectable Biomaterial for Wound Healing Applications. <i>Polymers</i> , 2020, 12, 2690.	4.5	51
66	Self-crosslinked chitosan/dialdehyde xanthan gum blended hypromellose hydrogel for the controlled delivery of ampicillin, minocycline and rifampicin. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1468-1478.	7.5	50
67	Electrorheology of aniline oligomers. <i>Colloid and Polymer Science</i> , 2013, 291, 2079-2086.	2.1	49
68	Co ₃ O ₄ @CoS Core-Shell Nanosheets on Carbon Cloth for High Performance Supercapacitor Electrodes. <i>Materials</i> , 2017, 10, 608.	2.9	49
69	Dual Crosslinked Collagen/Chitosan Film for Potential Biomedical Applications. <i>Polymers</i> , 2019, 11, 2094.	4.5	49
70	Electromagnetic radiation shielding by composites of conducting polymers and wood. <i>Journal of Applied Polymer Science</i> , 2005, 95, 807-814.	2.6	47
71	A Highly Flexible Supercapacitor Based on MnO ₂ /RGO Nanosheets and Bacterial Cellulose-Filled Gel Electrolyte. <i>Materials</i> , 2017, 10, 1251.	2.9	47
72	Novel hydrogels of PVP and CMC and their swelling effect on viscoelastic properties. <i>Journal of Applied Polymer Science</i> , 2010, 117, 1703-1710.	2.6	46

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73	Electrical properties of polyaniline suspensions. <i>Synthetic Metals</i> , 1998, 97, 37-42.	3.9	45
74	Characterization of polymeric biocomposite based on poly(vinyl alcohol) and poly(vinyl pyrrolidone). <i>Polymer Composites</i> , 2006, 27, 147-152.	4.6	45
75	Green synthesis of silver nanoparticles and biopolymer nanocomposites: a comparative study on physico-chemical, antimicrobial and anticancer activity. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	45
76	Electrochemical performance of composites made of rGO with Zn-MOF and PANI as electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2021, 367, 137563.	5.2	44
77	Mo-Triggered amorphous Ni ₃ S ₂ nanosheets as efficient and durable electrocatalysts for water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1462-1466.	5.9	43
78	A high-resilience and conductive composite binder for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020, 389, 124404.	12.7	43
79	Enhancement of magnetic losses in hybrid polymer composites with MnZn-ferrite and conductive fillers. <i>Journal of Materials Science</i> , 2007, 42, 9480-9490.	3.7	42
80	Compressive stress-electrical conductivity characteristics of multiwall carbon nanotube networks. <i>Journal of Materials Science</i> , 2011, 46, 3186-3190.	3.7	41
81	Highly surface electron-deficient Co ₉ S ₈ nanoarrays for enhanced oxygen evolution. <i>Green Energy and Environment</i> , 2020, 5, 492-498.	8.7	41
82	Confining MoS ₂ nanocrystals in MOF-derived carbon for high performance lithium and potassium storage. <i>Green Energy and Environment</i> , 2021, 6, 75-82.	8.7	41
83	Pre-exponential factor and activation energy of electrical conductivity in polyester resin/carbon fibre composites. <i>Synthetic Metals</i> , 2000, 113, 83-87.	3.9	39
84	Improvement in techniques for the determination of extensional rheological data from entrance flows: computational and experimental analysis. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2002, 107, 13-37.	2.4	39
85	Salt-Templating Protocol To Realize Few-Layered Ultrasmall MoS ₂ Nanosheets Inlayed into Carbon Frameworks for Superior Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1148-1153.	6.7	39
86	Construction of Hierarchical CuO/Cu ₂ O@NiCo ₂ S ₄ Nanowire Arrays on Copper Foam for High Performance Supercapacitor Electrodes. <i>Nanomaterials</i> , 2017, 7, 273.	4.1	38
87	Synthesis and magnetorheological characteristics of ribbon-like, polypyrrole-coated carbonyl iron suspensions under oscillatory shear. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2977-2982.	2.6	37
88	Correlation between coprecipitation reaction course and magneto-structural properties of iron oxide nanoparticles. <i>Materials Chemistry and Physics</i> , 2015, 155, 178-190.	4.0	37
89	Nano storage-boxes constructed by the vertical growth of MoS ₂ on graphene for high-performance Li-S batteries. <i>Journal of Energy Chemistry</i> , 2022, 66, 91-99.	12.9	37
90	Relative viscosity models and their application to capillary flow data of highly filled hard-metal carbide powder compounds. <i>Polymer Composites</i> , 2005, 26, 29-36.	4.6	36

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91	Bacterial cellulose based greener packaging material: a bioadhesive polymeric film. <i>Materials Research Express</i> , 2018, 5, 115405.	1.6	36
92	Electrorheology of polyaniline-coated inorganic particles in silicone oil. <i>Journal of Colloid and Interface Science</i> , 2003, 258, 174-178.	9.4	34
93	Biocompatibility and Biological Efficiency of Inorganic Calcium Filled Bacterial Cellulose Based Hydrogel Scaffolds for Bone Bioengineering. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3980.	4.1	34
94	Densified MoS ₂ /Ti ₃ C ₂ films with balanced porosity for ultrahigh volumetric capacity sodium-ion battery. <i>Chemical Engineering Journal</i> , 2021, 413, 127479.	12.7	33
95	Polystyrene/multi-wall carbon nanotube composites prepared by suspension polymerization and their electrorheological behavior. <i>Current Applied Physics</i> , 2009, 9, 184-188.	2.4	32
96	Preparation and Characterization of Poly (vinyl alcohol)/Lactic Acid Compounded Polymeric Films. <i>International Journal of Polymer Analysis and Characterization</i> , 2006, 11, 253-270.	1.9	31
97	Effect of cooling rate on enthalpy and volume relaxation of polystyrene. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2681-2691.	3.1	31
98	The effect of preparation temperature on the mechanical and antibacterial properties of poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	31
99	SYNTHESIS OF TITANATE/POLYPYRROLE COMPOSITE ROD-LIKE PARTICLES AND THE ROLE OF CONDUCTING POLYMER ON ELECTORRHEOLOGICAL EFFICIENCY. <i>International Journal of Modern Physics B</i> , 2012, 26, 1250007.	2.0	30
100	Antibacterial performance of ZnO-based fillers with mesoscale structured morphology in model medical PVC composites. <i>Materials Science and Engineering C</i> , 2014, 41, 70-77.	7.3	30
101	Biodegradation of Blown Films Based on Poly(lactic acid) under Natural Conditions. <i>Macromolecular Symposia</i> , 2008, 272, 100-103.	0.7	29
102	THE ROLE OF PARTICLES ANNEALING TEMPERATURE ON MAGNETORHEOLOGICAL EFFECT. <i>Modern Physics Letters B</i> , 2012, 26, 1150013.	1.9	29
103	Enhancing effect of KMnO ₄ oxidation of carbon nanotubes network embedded in elastic polyurethane on overall electro-mechanical properties of composite. <i>Composites Science and Technology</i> , 2013, 81, 54-60.	7.8	29
104	Influence of temperature, pH and simulated biological solutions on swelling and structural properties of biomineralized (CaCO ₃) PVPâ=CMC hydrogel. <i>Progress in Biomaterials</i> , 2015, 4, 123-136.	4.5	29
105	High energy-density organic supercapacitors based on optimum matching between GNS/aMWCNT@polyaniline nanocone arrays cathode and GNS/aMWCNT@poly(1,5-diaminoanthraquinone) nanoparticles anode. <i>Chemical Engineering Journal</i> , 2017, 326, 9-16.	12.7	29
106	PVP - CMC hydrogel: An excellent bioinspired and biocompatible scaffold for osseointegration. <i>Materials Science and Engineering C</i> , 2019, 95, 440-449.	7.3	29
107	Structural and electrorheological properties of mesoporous silica modified with triethanolamine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 318, 169-174.	4.7	28
108	Essential Oil Based PVP-CMC-BC-GG Functional Hydrogel Sachet for â=Cheeseâ=™: Its Shelf Life Confirmed with Anthocyanin (Isolated from Red Cabbage) Bio Stickers. <i>Foods</i> , 2020, 9, 307.	4.3	28

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109	Facile fabrication and characterization of novel polyaniline/titanate composite nanotubes directed by block copolymer. <i>European Polymer Journal</i> , 2007, 43, 3780-3786.	5.4	27
110	Effects of macropore size on structural and electrochemical properties of hierarchical porous carbons. <i>Journal of Materials Science</i> , 2012, 47, 6444-6450.	3.7	27
111	Preparation of active antibacterial LDPE surface through multistep physicochemical approach II: Graft type effect on antibacterial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 842-848.	5.0	27
112	Flexible textile electrode with high areal capacity from hierarchical V ₂ O ₅ nanosheet arrays. <i>Journal of Power Sources</i> , 2017, 357, 71-76.	7.8	27
113	Characterization of Bacterial Cellulose Produced using Media Containing Waste Apple Juice. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 649-657.	0.9	27
114	Modification of polymers by protein hydrolysate?A way to biodegradable materials. <i>Polymers for Advanced Technologies</i> , 2003, 14, 854-860.	3.2	26
115	On PVT and Rheological Measurements of Polymer Melts. <i>International Polymer Processing</i> , 2005, 20, 286-295.	0.5	26
116	Poly(methyl methacrylate)/Multi-wall Carbon Nanotubes Composites Prepared by Solvent Cast Technique: Composites Electrical Percolation Threshold. <i>Journal of Reinforced Plastics and Composites</i> , 2007, 26, 1705-1712.	3.1	26
117	Electrochemical performance of composite electrodes based on rGO, Mn/Cu metal-organic frameworks, and PANI. <i>Scientific Reports</i> , 2022, 12, 664.	3.3	26
118	Effect of hydrophilicity of polyaniline particles on their electrorheology: Steady flow and dynamic behaviour. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 236-240.	9.4	25
119	Polyphenolic Extracts of Edible Flowers Incorporated onto Atelocollagen Matrices and Their Effect on Cell Viability. <i>Molecules</i> , 2013, 18, 13435-13445.	3.8	25
120	Enhancing the supercapacitor performance of flexible MnOxCarbon cloth electrodes by Pd-decoration. <i>Electrochimica Acta</i> , 2018, 272, 1-10.	5.2	25
121	Biocomposites of poly(lactic acid) and lactic acid oligomer-grafted bacterial cellulose: It's preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47903.	2.6	25
122	Temperature-dependent instabilities in the capillary flow of a metallocene linear low-density polyethylene melt. <i>Journal of Rheology</i> , 2000, 44, 441-451.	2.6	24
123	Analysis and Characterization of Printed Plasma-Treated Polyvinyl Chloride. <i>International Journal of Polymer Analysis and Characterization</i> , 2009, 14, 641-651.	1.9	24
124	Correlation of Morphology and Viscoelastic Properties of Partially Biodegradable Polymer Blends Based on Polyamide 6 and Polylactide Copolyester. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 1432-1442.	1.9	24
125	Peptoids and polypeptoids: biomimetic and bioinspired materials for biomedical applications. <i>Polymer Bulletin</i> , 2017, 74, 3455-3466.	3.3	24
126	Hierarchical MoS ₂ /C@MXene composite as an anode for high-performance lithium-ion capacitors. <i>Applied Surface Science</i> , 2022, 598, 153778.	6.1	24

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127	Viscoelastic stress calculation in multi-layer coextrusion dies: Die design and extensional viscosity effects on the onset of wave™ interfacial instabilities. <i>Polymer Engineering and Science</i> , 2002, 42, 1520-1533.	3.1	23
128	The efficiency of application of magnetic polymer composites as radio-absorbing materials. <i>Journal of Communications Technology and Electronics</i> , 2008, 53, 487-496.	0.5	23
129	Physical aging in poly(ethylene oxide)/atactic-poly(methyl methacrylate) blends. <i>Thermochimica Acta</i> , 1999, 342, 115-137.	2.7	22
130	Electrical and electrorheological behavior of poly(aniline-co-1,4-phenylenediamine) suspensions. <i>European Polymer Journal</i> , 2000, 36, 2313-2319.	5.4	22
131	Electromagnetic properties of aluminosilicate-filled polymer composites of poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582	4.6	22
132	Pressure-dependent viscosity of powder injection moulding compounds. <i>Rheologica Acta</i> , 2006, 45, 290-296.	2.4	22
133	Preparation and characterization of poly(vinyl alcohol)–poly(vinyl pyrrolidone) blend: A biomaterial with latent medical applications. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3560-3568.	2.6	22
134	Anticoagulant Polyethylene Terephthalate Surface by Plasma-Mediated Fucoidan Immobilization. <i>Polymers</i> , 2019, 11, 750.	4.5	22
135	Environmentally friendly biocomposites based on waste of the dairy industry and poly(vinyl alcohol). <i>Journal of Applied Polymer Science</i> , 2007, 106, 1869-1879.	2.6	21
136	Optimization of powder injection molding of feedstock based on aluminum oxide and multicomponent water-soluble polymer binder. <i>Polymer Engineering and Science</i> , 2011, 51, 1376-1382.	3.1	21
137	Increasing the high-frequency magnetic permeability of MnZn ferrite in polyaniline composites by incorporating silver. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 333, 30-38.	2.3	21
138	Rheological Behavior of Poly(methyl methacrylate) Dispersions Stabilized by a Diblock Copolymer. 2. Positive and Negative Electrorheological Effect. <i>Langmuir</i> , 2000, 16, 1447-1449.	3.5	20
139	Preparation and electrorheology of new mesoporous polypyrrole/MCM-41 suspensions. <i>Journal of Materials Science</i> , 2006, 41, 5047-5049.	3.7	20
140	Volume relaxation in amorphous and semicrystalline PET. <i>Journal of Materials Science</i> , 2007, 42, 3724-3731.	3.7	20
141	Functionalization of polylactic acid through direct melt polycondensation in the presence of tricarboxylic acid. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1275-1285.	2.6	20
142	Significant Characteristics of Medical-Grade Polymer Sheets and their Efficiency in Protecting Hydrogel Wound Dressings: A Soft Polymeric Biomaterial. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 72-88.	3.4	20
143	A New Route of Fucoidan Immobilization on Low Density Polyethylene and Its Blood Compatibility and Anticoagulation Activity. <i>International Journal of Molecular Sciences</i> , 2016, 17, 908.	4.1	20
144	Kombucha-derived bacterial cellulose from diverse wastes: a prudent leather alternative. <i>Cellulose</i> , 2021, 28, 9335-9353.	4.9	20

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145	Study on biodegradability of protein filled polymer composites using dielectric measurements. <i>Polymer Degradation and Stability</i> , 2004, 86, 411-417.	5.8	19
146	Effect of Phase Arrangement on Solid State Mechanical and Thermal Properties of Polyamide 6/Poly lactide Based Co-polyester Blends. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 982-1001.	1.0	19
147	Electrorheological properties of suspensions of silica nanoparticles modified by urea and N,N-dimethylformamide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 297, 142-146.	4.7	18
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