

Chaoying Wan

List of Publications by Year in descending order

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132
papers

6,178
citations

81900

39
h-index

74163

75
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135
all docs

135
docs citations

135
times ranked

7542
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface design for high energy density polymer nanocomposites. <i>Chemical Society Reviews</i> , 2019, 48, 4424-4465.	38.1	531
2	Multiscale-structuring of polyvinylidene fluoride for energy harvesting: the impact of molecular-, micro- and macro-structure. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3091-3128.	10.3	406
3	Thermal conductivity of 2D nano-structured boron nitride (BN) and its composites with polymers. <i>Progress in Materials Science</i> , 2019, 100, 170-186.	32.8	370
4	Toughening modification of PLLA/PBS blends via in situ compatibilization. <i>Polymer Engineering and Science</i> , 2009, 49, 26-33.	3.1	242
5	Effect of different clay treatment on morphology and mechanical properties of PVC-clay nanocomposites. <i>Polymer Testing</i> , 2003, 22, 453-461.	4.8	226
6	Reinforcement and interphase of polymer/graphene oxide nanocomposites. <i>Journal of Materials Chemistry</i> , 2012, 22, 3637.	6.7	225
7	Poly(glycolic acid) (PGA): a versatile building block expanding high performance and sustainable bioplastic applications. <i>Green Chemistry</i> , 2020, 22, 4055-4081.	9.0	212
8	Poly(μ -caprolactone)/graphene oxide biocomposites: mechanical properties and bioactivity. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 055010.	3.3	177
9	Reinforcement of hydrogenated carboxylated nitrile-butadiene rubber with exfoliated graphene oxide. <i>Carbon</i> , 2011, 49, 1608-1613.	10.3	164
10	Photoinduced sequence-control via one pot living radical polymerization of acrylates. <i>Chemical Science</i> , 2014, 5, 3536-3542.	7.4	151
11	Strong and bioactive gelatin-graphene oxide nanocomposites. <i>Soft Matter</i> , 2011, 7, 6159.	2.7	144
12	Effect of nano-CaCO ₃ on mechanical properties of PVC and PVC/Blendex blend. <i>Polymer Testing</i> , 2004, 23, 169-174.	4.8	130
13	Ferroelectret materials and devices for energy harvesting applications. <i>Nano Energy</i> , 2019, 57, 118-140.	16.0	108
14	Electrical and Mechanical Self-Healing in High-Performance Dielectric Elastomer Actuator Materials. <i>Advanced Functional Materials</i> , 2019, 29, 1808431.	14.9	92
15	Dynamic crosslinked rubbers for a green future: A material perspective. <i>Materials Science and Engineering Reports</i> , 2020, 141, 100561.	31.8	90
16	Efficient oxygen reduction catalysts formed of cobalt phosphide nanoparticle decorated heteroatom-doped mesoporous carbon nanotubes. <i>Chemical Communications</i> , 2015, 51, 7891-7894.	4.1	87
17	Challenges and Opportunities of Self-Healing Polymers and Devices for Extreme and Hostile Environments. <i>Advanced Materials</i> , 2021, 33, e2008052.	21.0	82
18	Morphology and electrical properties of polyamide 6/polypropylene/multi-walled carbon nanotubes composites. <i>Composites Science and Technology</i> , 2009, 69, 2212-2217.	7.8	80

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19	2D boron nitride nanosheets (BNNS) prepared by high-pressure homogenisation: structure and morphology. <i>Nanoscale</i> , 2018, 10, 19469-19477.	5.6	80
20	Structure and mechanical properties of gelatin/sepiolite nanocomposite foams. <i>Journal of Materials Chemistry</i> , 2011, 21, 9103.	6.7	73
21	Effect of alkyl quaternary ammonium on processing discoloration of melt-intercalated PVC-montmorillonite composites. <i>Polymer Testing</i> , 2004, 23, 299-306.	4.8	69
22	Tailoring the electrical and thermal conductivity of multi-component and multi-phase polymer composites. <i>International Materials Reviews</i> , 2020, 65, 129-163.	19.8	67
23	Synthesis and characterization of biomimetic hydroxyapatite/sepiolite nanocomposites. <i>Nanoscale</i> , 2011, 3, 693-700.	5.6	66
24	Modification of montmorillonite with aminopropylisooctyl polyhedral oligomeric silsesquioxane. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 164-170.	9.4	65
25	Surface amination of carbon nanoparticles for modification of epoxy resins: plasma-treatment vs. wet-chemistry approach. <i>European Polymer Journal</i> , 2017, 87, 422-448.	5.4	59
26	Polysaccharide-assisted rapid exfoliation of graphite platelets into high quality water-dispersible graphene sheets. <i>RSC Advances</i> , 2015, 5, 26482-26490.	3.6	58
27	Vegetable derived-oil facilitating carbon black migration from waste tire rubbers and its reinforcement effect. <i>Waste Management</i> , 2018, 78, 238-248.	7.4	56
28	Effect of POSS on morphology and mechanical properties of polyamide 12/montmorillonite nanocomposites. <i>Applied Clay Science</i> , 2010, 47, 249-256.	5.2	55
29	Self-Healing Dielectric Elastomers for Damage-Tolerant Actuation and Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7595-7604.	8.0	55
30	Enhancing thermal conductivity of polydimethylsiloxane composites through spatially confined network of hybrid fillers. <i>Composites Science and Technology</i> , 2019, 172, 163-171.	7.8	53
31	Intrinsic Tuning of Poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene)-Based Self-Healing Dielectric Elastomer Actuators with Enhanced Electromechanical Properties. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38438-38448.	8.0	51
32	Surface Characteristics of Polyhedral Oligomeric Silsesquioxane Modified Clay and Its Application in Polymerization of Macrocyclic Polyester Oligomers. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11915-11922.	2.6	49
33	Investigation on the multiwalled carbon nanotubes reinforced polyamide 6/polypropylene composites. <i>Polymer Engineering and Science</i> , 2009, 49, 1909-1917.	3.1	49
34	Synthesis and Characterization of Photoluminescent Eu(III) Coordination Halloysite Nanotube-Based Nanohybrids. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16238-16246.	3.1	48
35	Effective Thermal-Oxidative Reclamation of Waste Tire Rubbers for Producing High-Performance Rubber Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9079-9087.	6.7	48
36	Self-Healing of Materials under High Electrical Stress. <i>Matter</i> , 2020, 3, 989-1008.	10.0	47

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37	Design and Control of Compostability in Synthetic Biopolyesters. ACS Sustainable Chemistry and Engineering, 2021, 9, 9151-9164.	6.7	47
38	Cyclomatrix polyphosphazenes frameworks (Cyclo-POPs) and the related nanomaterials: Synthesis, assembly and functionalisation. Materials Today Communications, 2017, 11, 38-60.	1.9	44
39	Dynamic Polymer Networks: A New Avenue towards Sustainable and Advanced Soft Machines. Angewandte Chemie - International Edition, 2021, 60, 13725-13736.	13.8	43
40	Partially Neutralized Polyacrylic Acid/Poly(vinyl alcohol) Blends as Effective Binders for High-Performance Silicon Anodes in Lithium-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 6890-6898.	5.1	42
41	Morphology and properties of silane-modified montmorillonite clays and clay/PBT composites. Journal of Applied Polymer Science, 2008, 110, 550-557.	2.6	40
42	Intrinsically Tuning the Electromechanical Properties of Elastomeric Dielectrics: A Chemistry Perspective. Macromolecular Rapid Communications, 2018, 39, e1800340.	3.9	40
43	Morphology, mechanical properties, and durability of poly(lactic acid) plasticized with Di(isononyl) cyclohexane-1,2-dicarboxylate. Polymer Engineering and Science, 2009, 49, 2414-2420.	3.1	39
44	Exceptional oxygen barrier performance of pullulan nanocomposites with ultra-low loading of graphene oxide. Nanotechnology, 2015, 26, 275703.	2.6	39
45	Thermal conductivity of 2D nano-structured graphitic materials and their composites with epoxy resins. 2D Materials, 2017, 4, 042001.	4.4	39
46	Non-covalent functionalization of graphene oxide by pyrene-block copolymers for enhancing physical properties of poly(methyl methacrylate). RSC Advances, 2015, 5, 79947-79955.	3.6	38
47	Heteroatom Doped-Carbon Nanospheres as Anodes in Lithium Ion Batteries. Materials, 2016, 9, 35.	2.9	38
48	Hybrids based on transition metal phosphide (Mn ₂ P, Co ₂ P, Ni ₂ P) nanoparticles and heteroatom-doped carbon nanotubes for efficient oxygen reduction reaction. RSC Advances, 2015, 5, 92893-92898.	3.6	37
49	Core-shell structured carbon nanoparticles derived from light pyrolysis of waste tires. Polymer Degradation and Stability, 2016, 129, 192-198.	5.8	37
50	An investigation into synergistic effects of rare earth oxides on intumescent flame retardancy of polypropylene/poly (octylene-co-ethylene) blends. Polymers for Advanced Technologies, 2011, 22, 1414-1421.	3.2	35
51	Effect of epoxy resin on morphology and physical properties of PVC/organophilic montmorillonite nanocomposites. Journal of Applied Polymer Science, 2003, 89, 2184-2191.	2.6	34
52	Effect of silicon dioxide on crystallization and melting behavior of polypropylene. Journal of Applied Polymer Science, 2006, 100, 1889-1898.	2.6	34
53	Reinforcement of biodegradable poly(butylene succinate) with low loadings of graphene oxide. Journal of Applied Polymer Science, 2013, 127, 5094-5099.	2.6	34
54	Reactive extrusion of biodegradable <sc>PGA</sc>/<sc>PBAT</sc> blends to enhance flexibility and gas barrier properties. Journal of Applied Polymer Science, 2022, 139, 51617.	2.6	33

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55	Effects of an ionic liquid and processing conditions on the β -polymorph crystal formation in poly(vinylidene fluoride). <i>CrystEngComm</i> , 2019, 21, 5418-5428.	2.6	32
56	Processing thermal stability and degradation kinetics of poly(vinyl chloride)/montmorillonite composites. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1521-1526.	2.6	31
57	Effect of POSS on crystalline transitions and physical properties of polyamide 12. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 121-129.	2.1	31
58	Electron Beam-Mediated Cross-Linking of Blown Film-Extruded Biodegradable PGA/PBAT Blends toward High Toughness and Low Oxygen Permeation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1267-1276.	6.7	31
59	Effects of interfacial adhesion on properties of polypropylene/Wollastonite composites. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1718-1723.	2.6	29
60	Thermal stability, flame retardancy and rheological behavior of ABS filled with magnesium hydroxide sulfate hydrate whisker. <i>Polymer Bulletin</i> , 2007, 58, 747-755.	3.3	28
61	Blends of poly(2,6-dimethyl-1,4-phenylene oxide)/polyamide 6 toughened by maleated polystyrene-based copolymers: Mechanical properties, morphology, and rheology. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3385-3392.	2.6	26
62	Stepwise exfoliation of bound rubber from carbon black nanoparticles and the structure characterization. <i>Polymer Testing</i> , 2018, 71, 115-124.	4.8	26
63	Characterisation of graphite nanoplatelets (GNP) prepared at scale by high-pressure homogenisation. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6383-6390.	5.5	26
64	Investigation on morphology and mechanical properties of polyamide 6/maleated ethylene-propylene-diene rubber/organoclay composites. <i>Polymer Engineering and Science</i> , 2009, 49, 209-216.	3.1	25
65	Enhancing cycling durability of Li-ion batteries with hierarchical structured silicon-graphene hybrid anodes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30677-30685.	2.8	25
66	Separation of core-shell structured carbon black nanoparticles from waste tires by light pyrolysis. <i>Composites Science and Technology</i> , 2016, 135, 13-20.	7.8	24
67	Intercalation process and rubber-filler interactions of polybutadiene rubber/organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008, 107, 650-657.	2.6	23
68	Heteroatom-doped mesoporous carbon nanofibers based on highly cross-linked hybrid polymeric nanofibers: Facile synthesis and application in an electrochemical supercapacitor. <i>Materials Chemistry and Physics</i> , 2015, 164, 85-90.	4.0	23
69	Stress-oscillation behaviour of semi-crystalline polymers: the case of poly(butylene succinate). <i>Soft Matter</i> , 2018, 14, 9175-9184.	2.7	22
70	Gas Barrier Polymer Nanocomposite Films Prepared by Graphene Oxide Encapsulated Polystyrene Microparticles. <i>ACS Applied Polymer Materials</i> , 2020, 2, 725-731.	4.4	22
71	Fracture behavior of PVC/Blendex/nano-CaCO ₃ composites. <i>Journal of Applied Polymer Science</i> , 2005, 95, 953-961.	2.6	21
72	Functionalisation of MWCNTs with poly(lauryl acrylate) polymerised by Cu(0)-mediated and RAFT methods. <i>Polymer Chemistry</i> , 2016, 7, 3884-3896.	3.9	21

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73	Shape memory and self-healing behavior of styrene-butadiene-styrene/ethylene-methacrylic acid copolymer (SBS/EMAA) elastomers containing ionic interactions. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48666.	2.6	20
74	Morphology and fracture behavior of toughening-modified poly(vinyl chloride)/organophilic montmorillonite composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 286-295.	2.1	19
75	Heteroatom-doped hollow carbon microspheres based on amphiphilic supramolecular vesicles and highly crosslinked polyphosphazene for high performance supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2016, 222, 543-550.	5.2	19
76	Mechanically Enhanced Electrical Conductivity of Polydimethylsiloxane-Based Composites by a Hot Embossing Process. <i>Polymers</i> , 2019, 11, 56.	4.5	19
77	Self-healing and mechanical performance of dynamic glycol chitosan hydrogel nanocomposites. <i>Journal of Materials Chemistry B</i> , 2021, 9, 809-823.	5.8	19
78	Morphology and mechanical properties of ethylene-vinyl acetate rubber/polyamide thermoplastic elastomers. <i>Journal of Applied Polymer Science</i> , 2013, 130, 338-344.	2.6	18
79	Electrical dual-percolation in MWCNTs/SBS/PVDF based thermoplastic elastomer (TPE) composites and the effect of mechanical stretching. <i>European Polymer Journal</i> , 2019, 112, 504-514.	5.4	16
80	Understanding H ₂ O-Induced Thermo-Oxidative Reclamation of Vulcanized Styrene Butadiene Rubber at Low Temperatures. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2378-2387.	6.7	15
81	Physical properties and crystallization behavior of ethylene-vinyl acetate rubber/polyamide/graphene oxide thermoplastic elastomer nanocomposites. <i>RSC Advances</i> , 2013, 3, 26166.	3.6	13
82	Synthesis of Poly(Lactic Acid-co-Glycolic Acid) Copolymers with High Glycolide Ratio by Ring-Opening Polymerisation. <i>Polymers</i> , 2021, 13, 2458.	4.5	13
83	Convenient one-pot approach for the preparation of novel atomically thin two-dimensional polymeric nanosheets, and its evolution in aqueous solution. <i>Materials Letters</i> , 2015, 139, 93-97.	2.6	12
84	Heteroatom-doped core/shell carbonaceous framework materials: synthesis, characterization and electrochemical properties. <i>New Journal of Chemistry</i> , 2019, 43, 5632-5641.	2.8	12
85	Coupling Dynamic Covalent Bonds and Ionic Crosslinking Network to Promote Shape Memory Properties of Ethylene-vinyl Acetate Copolymers. <i>Polymers</i> , 2020, 12, 983.	4.5	12
86	Shape memory properties of polyethylene/ethylene vinyl acetate /carbon nanotube composites. <i>Polymer Testing</i> , 2020, 81, 106227.	4.8	11
87	Advancement of Electroadhesion Technology for Intelligent and Self-Reliant Robotic Applications. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	11
88	Mechanical and dielectric properties of MWCNT filled chemically modified SBS/PVDF blends. <i>Composites Communications</i> , 2018, 8, 58-64.	6.3	10
89	Understanding the enhancement and temperature-dependency of the self-healing and electromechanical properties of dielectric elastomers containing mixed pendant polar groups. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5426-5436.	5.5	10
90	Damping and Electromechanical Behavior of Ionic-Modified Brominated Poly(isobutylene-co-isoprene) Rubber Containing Petroleum Resin C5. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 3063-3074.	3.7	10

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91	Polyamide 6/maleated ethylene- ϵ -propylene- ϵ -diene rubber/organoclay composites with or without glycidyl methacrylate as a compatibilizer. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1870-1879.	2.6	9
92	Graphene oxide as a covalent-crosslinking agent for EVM-g-PA6 thermoplastic elastomeric nanocomposites. <i>RSC Advances</i> , 2015, 5, 39042-39051.	3.6	9
93	Fused deposition modelling (FDM) of composites of graphene nanoplatelets and polymers for high thermal conductivity: a mini-review. <i>Functional Composite Materials</i> , 2020, 1, .	1.4	9
94	Plasticisation and compatibilisation of poly(propylene) with poly(lauryl acrylate) surface modified MWCNTs. <i>Polymer</i> , 2017, 133, 89-101.	3.8	8
95	Self-assembly of fluoride-encapsulated polyhedral oligomeric silsesquioxane (POSS) nanocrystals. <i>CrystEngComm</i> , 2019, 21, 710-723.	2.6	8
96	Graphene Oxide Functionalized with 2-Ureido-4[1 <i>H</i>]-pyrimidinone for Production of Nacre-Like Films. <i>ACS Applied Nano Materials</i> , 2020, 3, 7161-7171.	5.0	8
97	Dynamic Polymer Networks: A New Avenue towards Sustainable and Advanced Soft Machines. <i>Angewandte Chemie</i> , 2021, 133, 13841-13852.	2.0	8
98	Efficient thermo-oxidative reclamation of green tire rubber and silanized-silica/rubber interface characterization. <i>Polymer Degradation and Stability</i> , 2022, 196, 109827.	5.8	8
99	Reactive processing of ethylene-vinyl acetate rubber/polyamide blends via a dynamic transesterification reaction. <i>Polymer Bulletin</i> , 2014, 71, 1505-1521.	3.3	7
100	Piezoelectric-Driven Self-Sensing Leaf-Mimic Actuator Enabled by Integration of a Self-Healing Dielectric Elastomer and a Piezoelectric Composite. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000248.	6.1	7
101	Recent Advances in Graphene-Based Materials for Lithium Batteries. <i>Current Organic Chemistry</i> , 2015, 19, 1838-1849.	1.6	7
102	A continuous spatial confining process towards high electrical conductivity of elastomer composites with a low percolation threshold. <i>Composites Science and Technology</i> , 2022, 218, 109155.	7.8	7
103	Nucleation of the β -polymorph in Composites of Poly(propylene) and Graphene Nanoplatelets. <i>Journal of Composites Science</i> , 2019, 3, 38.	3.0	6
104	Freestanding β -zirconium phosphate based nacre-like composite films cast from water. <i>Composites Science and Technology</i> , 2020, 200, 108443.	7.8	6
105	Structure and Dielectric Properties of Electroactive Tetraaniline Grafted Non-Polar Elastomers. <i>Journal of Composites Science</i> , 2020, 4, 25.	3.0	6
106	An anchoring array assembly method for enhancing the electrical conductivity of composites of polypropylene and hybrid fillers. <i>Composites Science and Technology</i> , 2021, 211, 108846.	7.8	6
107	Investigation of Melt-Intercalated PET-Clay Nanocomposites. <i>Polymers and Polymer Composites</i> , 2004, 12, 619-625.	1.9	5
108	Fibre Orientation and Mechanical Properties of Short Glass Fibre Reinforced PP Composites. <i>Polymers and Polymer Composites</i> , 2005, 13, 253-262.	1.9	5

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109	Reactive Compatibilization and Elastomer Toughening of Poly(2,6-dimethyl-1,4-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.9	5
110	Structural and electrical properties of CuAlMo thin films prepared by magnetron sputtering. Thin Solid Films, 2013, 540, 235-241.	1.8	5
111	Functionalization of BaTiO ₃ nanoparticles with electron insulating and conducting organophosphazene-based hybrid materials. RSC Advances, 2017, 7, 19674-19683.	3.6	5
112	Tailoring Electromechanical Properties of Natural Rubber Vitrimers by Cross-Linkers. Industrial & Engineering Chemistry Research, 2022, 61, 8871-8880.	3.7	5
113	Rheological Properties and Morphology of PC/AES Blends. Journal of Macromolecular Science - Physics, 2006, 45, 987-1004.	1.0	4
114	Electronic Applications of Ethylene Vinyl Acetate and Its Composites. Springer Series on Polymer and Composite Materials, 2016, , 61-85.	0.7	4
115	Peanoâ€Hydraulically Amplified Selfâ€Healing Electrostatic Actuators Based on a Novel Bilayer Polymer Shell for Enhanced Strain, Load, and Rotary Motion. Advanced Intelligent Systems, 2022, 4, .	6.1	4
116	Microstructure, Interfacial Interactions, and Rheological Properties of PC/AES/Montmorillonite Composites. Journal of Macromolecular Science - Physics, 2006, 45, 1159-1169.	1.0	3
117	Soybean oil induced efficient thermalâ€oxidative degradation of covalently crosslinked styrene butadiene rubber. Journal of Applied Polymer Science, 2020, 137, 48935.	2.6	3
118	Structure and electrochemical properties of hierarchically porous carbon nanomaterials derived from hybrid ZIF-8/ZIF-67 bi-MOF coated cyclomatrix poly(organophosphazene) nanospheres. New Journal of Chemistry, 2020, 44, 4353-4362.	2.8	3
119	Tuning triboelectric and energy harvesting properties of dielectric elastomers <i>via</i> dynamic ionic crosslinks. Materials Advances, 2022, 3, 4213-4226.	5.4	3
120	Crystallization Behaviour and Mechanical Properties of Polypropylene Copolymer/Silicon Dioxide Nanocomposites. Polymers and Polymer Composites, 2006, 14, 145-154.	1.9	2
121	<i>In situ</i> esterâ€amide exchange reaction between polyamide 6 and ethyleneâ€vinyl acetate rubber during melt blending. Journal of Applied Polymer Science, 2014, 131, .	2.6	2
122	Shape memory-assisted self-healing polymer systems. , 2020, , 95-121.		2
123	Enzymatic hydrolysis of bacterial cellulose in the presence of a nonâ€catalytic ceratoâ€platanin protein. Journal of Applied Polymer Science, 2022, 139, 51886.	2.6	2
124	Isocyanate-functionalised graphene oxide and poly(vinyl alcohol) nacre-mimetic inspired freestanding films. Nanoscale Advances, 2021, 4, 49-57.	4.6	2
125	Effect of Epoxy Modifier on Flame Retardancy and Rheological Behaviour of ABS/Montmorillonite Composites. Polymers and Polymer Composites, 2006, 14, 805-812.	1.9	1
126	Achievements and Prospects of Thermoelectric and Hybrid Energy Harvesters for Wearable Electronic Applications. , 2021, , 3-40.		1

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127	Piezoelectricâ€Driven Selfâ€Sensing Leafâ€Mimic Actuator Enabled by Integration of a Selfâ€Healing Dielectric Elastomer and a Piezoelectric Composite. <i>Advanced Intelligent Systems</i> , 2021, 3, 2170062.	6.1	1
128	Flexible Piezoelectric and Pyroelectric Polymers and Nanocomposites for Energy Harvesting Applications. <i>Engineering Materials and Processes</i> , 2017, , 537-557.	0.4	1
129	Graft copolymerization of methyl methacrylate from brominated poly(isobutyleneâ€i>co</i>â€isoprene) via atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	0
130	Silicon Anodes Incorporating Few-Layer Graphene (FLG) for Improved Cyclability in Li-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
131	Novel Binary Binder PAA-SBR Towards Silicon Anodes in Li-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
132	Peanoâ€Hydraulically Amplified Selfâ€Healing Electrostatic Actuators Based on a Novel Bilayer Polymer Shell for Enhanced Strain, Load, and Rotary Motion. <i>Advanced Intelligent Systems</i> , 2022, 4, 2270022.	6.1	0