Chaoying Wan

List of Publications by Year
in descending order

132 papers	6,178 citations	81743 39 h-index	74018 75 g-index
135 all docs	135 docs citations	135 times ranked	7542 citing authors

#	Article	IF	Citations
1	Interface design for high energy density polymer nanocomposites. Chemical Society Reviews, 2019, 48, 4424-4465.	18.7	531
2	Multiscale-structuring of polyvinylidene fluoride for energy harvesting: the impact of molecular-, micro- and macro-structure. Journal of Materials Chemistry A, 2017, 5, 3091-3128.	5.2	406
3	Thermal conductivity of 2D nano-structured boron nitride (BN) and its composites with polymers. Progress in Materials Science, 2019, 100, 170-186.	16.0	370
4	Toughening modification of PLLA/PBS blends via in situ compatibilization. Polymer Engineering and Science, 2009, 49, 26-33.	1.5	242
5	Effect of different clay treatment on morphology and mechanical properties of PVC-clay nanocomposites. Polymer Testing, 2003, 22, 453-461.	2.3	226
6	Reinforcement and interphase of polymer/graphene oxide nanocomposites. Journal of Materials Chemistry, 2012, 22, 3637.	6.7	225
7	Poly(glycolic acid) (PGA): a versatile building block expanding high performance and sustainable bioplastic applications. Green Chemistry, 2020, 22, 4055-4081.	4.6	212
8	Poly(Îµ-caprolactone)/graphene oxide biocomposites: mechanical properties and bioactivity. Biomedical Materials (Bristol), 2011, 6, 055010.	1.7	177
9	Reinforcement of hydrogenated carboxylated nitrileâ€“butadiene rubber with exfoliated graphene oxide. Carbon, 2011, 49, 1608-1613.	5.4	164
10	Photoinduced sequence-control via one pot living radical polymerization of acrylates. Chemical Science, 2014, 5, 3536-3542.	3.7	151
11	Strong and bioactive gelatinâ€“graphene oxide nanocomposites. Soft Matter, 2011, 7, 6159.	1.2	144
12	Effect of nano-CaCO3 on mechanical properties of PVC and PVC/Blendex blend. Polymer Testing, 2004, 23, 169-174.	2.3	130
13	Ferroelectret materials and devices for energy harvesting applications. Nano Energy, 2019, 57, 118-140.	8.2	108
14	Electrical and Mechanical Selfâ€Healing in Highâ€Performance Dielectric Elastomer Actuator Materials. Advanced Functional Materials, 2019, 29, 1808431.	7.8	92
15	Dynamic crosslinked rubbers for a green future: A material perspective. Materials Science and Engineering Reports, 2020, 141, 100561.	14.8	90
16	Efficient oxygen reduction catalysts formed of cobalt phosphide nanoparticle decorated heteroatom-doped mesoporous carbon nanotubes. Chemical Communications, 2015, 51, 7891-7894.	2.2	87
17	Challenges and Opportunities of Selfâ€Healing Polymers and Devices for Extreme and Hostile Environments. Advanced Materials, 2021, 33, e2008052.	11.1	82
18	Morphology and electrical properties of polyamide 6/polypropylene/multi-walled carbon nanotubes composites. Composites Science and Technology, 2009, 69, 2212-2217.	3.8	80

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19	2D boron nitride nanosheets (BNNS) prepared by high-pressure homogenisation: structure and morphology. Nanoscale, 2018, 10, 19469-19477.	2.8	80
20	Structure and mechanical properties of gelatin/sepiolite nanocomposite foams. Journal of Materials Chemistry, 2011, 21, 9103.	6.7	73
21	Effect of alkyl quaternary ammonium on processing discoloration of melt-intercalated PVC-montmorillonite composites. Polymer Testing, 2004, 23, 299-306.	2.3	69
22	Tailoring the electrical and thermal conductivity of multi-component and multi-phase polymer composites. International Materials Reviews, 2020, 65, 129-163.	9.4	67
23	Synthesis and characterization of biomimetic hydroxyapatite/sepiolite nanocomposites. Nanoscale, 2011, 3, 693-700.	2.8	66
24	Modification of montmorillonite with aminopropylisooctyl polyhedral oligomeric silsequioxane. Journal of Colloid and Interface Science, 2009, 333, 164-170.	5.0	65
25	Surface amination of carbon nanoparticles for modification of epoxy resins: plasma-treatment vs. wet-chemistry approach. European Polymer Journal, 2017, 87, 422-448.	2.6	59
26	Polysaccharide-assisted rapid exfoliation of graphite platelets into high quality water-dispersible graphene sheets. RSC Advances, 2015, 5, 26482-26490.	1.7	58
27	Vegetable derived-oil facilitating carbon black migration from waste tire rubbers and its reinforcement effect. Waste Management, 2018, 78, 238-248.	3.7	56
28	Effect of POSS on morphology and mechanical properties of polyamide 12/montmorillonite nanocomposites. Applied Clay Science, 2010, 47, 249-256.	2.6	55
29	Self-Healing Dielectric Elastomers for Damage-Tolerant Actuation and Energy Harvesting. ACS Applied Materials & Interfaces, 2020, 12, 7595-7604.	4.0	55
30	Enhancing thermal conductivity of polydimethylsiloxane composites through spatially confined network of hybrid fillers. Composites Science and Technology, 2019, 172, 163-171.	3.8	53
31	Intrinsic Tuning of Poly(styreneâ€“butadieneâ€“styrene)-Based Self-Healing Dielectric Elastomer Actuators with Enhanced Electromechanical Properties. ACS Applied Materials & Interfaces, 2018, 10, 38438-38448.	4.0	51
32	Surface Characteristics of Polyhedral Oligomeric Silsesquioxane Modified Clay and Its Application in Polymerization of Macrocyclic Polyester Oligomers. Journal of Physical Chemistry B, 2008, 112, 11915-11922.	1.2	49
33	Investigation on the multiwalled carbon nanotubes reinforced polyamide 6/polypropylene composites. Polymer Engineering and Science, 2009, 49, 1909-1917.	1.5	49
34	Synthesis and Characterization of Photoluminescent Eu(III) Coordination Halloysite Nanotube-Based Nanohybrids. Journal of Physical Chemistry C, 2009, 113, 16238-16246.	1.5	48
35	Effective Thermal-Oxidative Reclamation of Waste Tire Rubbers for Producing High-Performance Rubber Composites. ACS Sustainable Chemistry and Engineering, 2020, 8, 9079-9087.	3.2	48
36	Self-Healing of Materials under High Electrical Stress. Matter, 2020, 3, 989-1008.	5.0	47

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37	Design and Control of Compostability in Synthetic Biopolyesters. ACS Sustainable Chemistry and Engineering, 2021, 9, 9151-9164.	3.2	47
38	Cyclomatrix polyphosphazenes frameworks (Cyclo-POPs) and the related nanomaterials: Synthesis, assembly and functionalisation. Materials Today Communications, 2017, 11, 38-60.	0.9	44
39	Dynamic Polymer Networks: A New Avenue towards Sustainable and Advanced Soft Machines. Angewandte Chemie - International Edition, 2021, 60, 13725-13736.	7.2	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.	2.5	42
41	Morphology and properties of silaneâ€modified montmorillonite clays and clay/PBT composites. Journal of Applied Polymer Science, 2008, 110, 550-557.	1.3	40
42	Intrinsically Tuning the Electromechanical Properties of Elastomeric Dielectrics: A Chemistry Perspective. Macromolecular Rapid Communications, 2018, 39, e1800340.	2.0	40
43	Morphology, mechanical properties, and durability of poly(lactic acid) plasticized with Di(isononyl) cyclohexaneâ€1,2â€dicarboxylate. Polymer Engineering and Science, 2009, 49, 2414-2420.	1.5	39
44	Exceptional oxygen barrier performance of pullulan nanocomposites with ultra-low loading of graphene oxide. Nanotechnology, 2015, 26, 275703.	1.3	39
45	Thermal conductivity of 2D nano-structured graphitic materials and their composites with epoxy resins. 2D Materials, 2017, 4, 042001.	2.0	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.	1.7	38
47	Heteroatom Doped-Carbon Nanospheres as Anodes in Lithium Ion Batteries. Materials, 2016, 9, 35.	1.3	38
48	Hybrids based on transition metal phosphide (Mn₂P, Co₂P, Ni₂P) nanoparticles and heteroatom-doped carbon nanotubes for efficient oxygen reduction reaction. RSC Advances, 2015, 5, 92893-92898.	1.7	37
49	Core-shell structured carbon nanoparticles derived from light pyrolysis of waste tires. Polymer Degradation and Stability, 2016, 129, 192-198.	2.7	37
50	An investigation into synergistic effects of rare earth oxides on intumescent flame retardancy of polypropylene/poly (octyleneâ€coâ€ethylene) blends. Polymers for Advanced Technologies, 2011, 22, 1414-1421.	1.6	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.	1.3	34
52	Effect of silicon dioxide on crystallization and melting behavior of polypropylene. Journal of Applied Polymer Science, 2006, 100, 1889-1898.	1.3	34
53	Reinforcement of biodegradable poly(butylene succinate) with low loadings of graphene oxide. Journal of Applied Polymer Science, 2013, 127, 5094-5099.	1.3	34
54	Reactive extrusion of biodegradable <scp>PGA</scp>/<scp>PBAT</scp> blends to enhance flexibility and gas barrier properties. Journal of Applied Polymer Science, 2022, 139, 51617.	1.3	33

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55	Effects of an ionic liquid and processing conditions on the Î²-polymorph crystal formation in poly(vinylidene fluoride). CrystEngComm, 2019, 21, 5418-5428.	1.3	32
56	Processing thermal stability and degradation kinetics of poly(vinyl chloride)/montmorillonite composites. Journal of Applied Polymer Science, 2004, 92, 1521-1526.	1.3	31
57	Effect of POSS on crystalline transitions and physical properties of polyamide 12. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 121-129.	2.4	31
58	Electron Beam-Mediated Cross-Linking of Blown Film-Extruded Biodegradable PGA/PBAT Blends toward High Toughness and Low Oxygen Permeation. ACS Sustainable Chemistry and Engineering, 2022, 10, 1267-1276.	3.2	31
59	Effects of interfacial adhesion on properties of polypropylene/Wollastonite composites. Journal of Applied Polymer Science, 2008, 107, 1718-1723.	1.3	29
60	Thermal stability, flame retardancy and rheological behavior of ABS filled with magnesium hydroxide sulfate hydrate whisker. Polymer Bulletin, 2007, 58, 747-755.	1.7	28
61	Blends of poly(2,6â€dimethylâ€1,4â€phenylene oxide)/polyamide 6 toughened by maleated polystyreneâ€based copolymers: Mechanical properties, morphology, and rheology. Journal of Applied Polymer Science, 2010, 115, 3385-3392.	1.3	26
62	Stepwise exfoliation of bound rubber from carbon black nanoparticles and the structure characterization. Polymer Testing, 2018, 71, 115-124.	2.3	26
63	Characterisation of graphite nanoplatelets (GNP) prepared at scale by high-pressure homogenisation. Journal of Materials Chemistry C, 2019, 7, 6383-6390.	2.7	26
64	Investigation on morphology and mechanical properties of polyamide 6/maleated ethyleneâ€propyleneâ€diene rubber/organoclay composites. Polymer Engineering and Science, 2009, 49, 209-216.	1.5	25
65	Enhancing cycling durability of Li-ion batteries with hierarchical structured siliconâ€“graphene hybrid anodes. Physical Chemistry Chemical Physics, 2016, 18, 30677-30685.	1.3	25
66	Separation of core-shell structured carbon black nanoparticles from waste tires by light pyrolysis. Composites Science and Technology, 2016, 135, 13-20.	3.8	24
67	Intercalation process and rubberâ€“filler interactions of polybutadiene rubber/organoclay nanocomposites. Journal of Applied Polymer Science, 2008, 107, 650-657.	1.3	23
68	Heteroatom-doped mesoporous carbon nanofibers based on highly cross-linked hybrid polymeric nanofibers: Facile synthesis and application in an electrochemical supercapacitor. Materials Chemistry and Physics, 2015, 164, 85-90.	2.0	23
69	Stress-oscillation behaviour of semi-crystalline polymers: the case of poly(butylene succinate). Soft Matter, 2018, 14, 9175-9184.	1.2	22
70	Gas Barrier Polymer Nanocomposite Films Prepared by Graphene Oxide Encapsulated Polystyrene Microparticles. ACS Applied Polymer Materials, 2020, 2, 725-731.	2.0	22
71	Fracture behavior of PVC/Blendex/nano-CaCO3 composites. Journal of Applied Polymer Science, 2005, 95, 953-961.	1.3	21
72	Functionalisation of MWCNTs with poly(lauryl acrylate) polymerised by Cu(0)-mediated and RAFT methods. Polymer Chemistry, 2016, 7, 3884-3896.	1.9	21

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73	Shape memory and selfâ€healing behavior of styreneâ€“butadieneâ€“styrene/ethyleneâ€methacrylic acid copolymer (SBS/EMAA) elastomers containing ionic interactions. Journal of Applied Polymer Science, 2020, 137, 48666.	1.3	20
74	Morphology and fracture behavior of toughening-modified poly(vinyl chloride)/organophilic montmorillonite composites. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 286-295.	2.4	19
75	Heteroatomâ€doped hollow carbon microspheres based on amphiphilic supramolecular vesicles and highly crosslinked polyphosphazene for high performance supercapacitor electrode materials. Electrochimica Acta, 2016, 222, 543-550.	2.6	19
76	Mechanically Enhanced Electrical Conductivity of Polydimethylsiloxane-Based Composites by a Hot Embossing Process. Polymers, 2019, 11, 56.	2.0	19
77	Self-healing and mechanical performance of dynamic glycol chitosan hydrogel nanocomposites. Journal of Materials Chemistry B, 2021, 9, 809-823.	2.9	19
78	Morphology and mechanical properties of ethyleneâ€vinyl acetate rubber/polyamide thermoplastic elastomers. Journal of Applied Polymer Science, 2013, 130, 338-344.	1.3	18
79	Electrical dual-percolation in MWCNTs/SBS/PVDF based thermoplastic elastomer (TPE) composites and the effect of mechanical stretching. European Polymer Journal, 2019, 112, 504-514.	2.6	16
80	Understanding H₂O₂-Induced Thermo-Oxidative Reclamation of Vulcanized Styrene Butadiene Rubber at Low Temperatures. ACS Sustainable Chemistry and Engineering, 2021, 9, 2378-2387.	3.2	15
81	Physical properties and crystallization behavior of ethylene-vinyl acetate rubber/polyamide/graphene oxide thermoplastic elastomer nanocomposites. RSC Advances, 2013, 3, 26166.	1.7	13
82	Synthesis of Poly(Lactic Acid-co-Glycolic Acid) Copolymers with High Glycolide Ratio by Ring-Opening Polymerisation. Polymers, 2021, 13, 2458.	2.0	13
83	Convenient one-pot approach for the preparation of novel atomically thin two-dimensional polymeric nanosheets, and its evolution in aqueous solution. Materials Letters, 2015, 139, 93-97.	1.3	12
84	Heteroatom-doped core/shell carbonaceous framework materials: synthesis, characterization and electrochemical properties. New Journal of Chemistry, 2019, 43, 5632-5641.	1.4	12
85	Coupling Dynamic Covalent Bonds and Ionic Crosslinking Network to Promote Shape Memory Properties of Ethylene-vinyl Acetate Copolymers. Polymers, 2020, 12, 983.	2.0	12
86	Shape memory properties of polyethylene/ethylene vinyl acetate /carbon nanotube composites. Polymer Testing, 2020, 81, 106227.	2.3	11
87	Advancement of Electroadhesion Technology for Intelligent and Selfâ€Reliant Robotic Applications. Advanced Intelligent Systems, 2022, 4, .	3.3	11
88	Mechanical and dielectric properties of MWCNT filled chemically modified SBS/PVDF blends. Composites Communications, 2018, 8, 58-64.	3.3	10
89	Understanding the enhancement and temperature-dependency of the self-healing and electromechanical properties of dielectric elastomers containing mixed pendant polar groups. Journal of Materials Chemistry C, 2020, 8, 5426-5436.	2.7	10
90	Damping and Electromechanical Behavior of Ionic-Modified Brominated Poly(isobutylene-co-isoprene) Rubber Containing Petroleum Resin C5. Industrial & Engineering Chemistry Research, 2022, 61, 3063-3074.	1.8	10

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91	Polyamide 6/maleated ethyleneâ€“propyleneâ€“diene rubber/organoclay composites with or without glycidyl methacrylate as a compatibilizer. Journal of Applied Polymer Science, 2008, 110, 1870-1879.	1.3	9
92	Graphene oxide as a covalent-crosslinking agent for EVM-g-PA6 thermoplastic elastomeric nanocomposites. RSC Advances, 2015, 5, 39042-39051.	1.7	9
93	Fused deposition modelling (FDM) of composites of graphene nanoplatelets and polymers for high thermal conductivity: a mini-review. Functional Composite Materials, 2020, 1, .	0.9	9
94	Plasticisation and compatibilisation of poly(propylene) with poly(lauryl acrylate) surface modified MWCNTs. Polymer, 2017, 133, 89-101.	1.8	8
95	Self-assembly of fluoride-encapsulated polyhedral oligomeric silsesquioxane (POSS) nanocrystals. CrystEngComm, 2019, 21, 710-723.	1.3	8
96	Graphene Oxide Functionalized with 2-Ureido-4[1H]-pyrimidinone for Production of Nacre-Like Films. ACS Applied Nano Materials, 2020, 3, 7161-7171.	2.4	8
97	Dynamic Polymer Networks: A New Avenue towards Sustainable and Advanced Soft Machines. Angewandte Chemie, 2021, 133, 13841-13852.	1.6	8
98	Efficient thermo-oxidative reclamation of green tire rubber and silanized-silica/rubber interface characterization. Polymer Degradation and Stability, 2022, 196, 109827.	2.7	8
99	Reactive processing of ethylene-vinyl acetate rubber/polyamide blends via a dynamic transesterification reaction. Polymer Bulletin, 2014, 71, 1505-1521.	1.7	7
100	Piezoelectricâ€Driven Selfâ€Sensing Leafâ€Mimic Actuator Enabled by Integration of a Selfâ€Healing Dielectric Elastomer and a Piezoelectric Composite. Advanced Intelligent Systems, 2021, 3, 2000248.	3.3	7
101	Recent Advances in Graphene-Based Materials for Lithium Batteries. Current Organic Chemistry, 2015, 19, 1838-1849.	0.9	7
102	A continuous spatial confining process towards high electrical conductivity of elastomer composites with a low percolation threshold. Composites Science and Technology, 2022, 218, 109155.	3.8	7
103	Nucleation of the Î²-polymorph in Composites of Poly(propylene) and Graphene Nanoplatelets. Journal of Composites Science, 2019, 3, 38.	1.4	6
104	Freestanding Î±-zirconium phosphate based nacre-like composite films cast from water. Composites Science and Technology, 2020, 200, 108443.	3.8	6
105	Structure and Dielectric Properties of Electroactive Tetraaniline Grafted Non-Polar Elastomers. Journal of Composites Science, 2020, 4, 25.	1.4	6
106	An anchoring array assembly method for enhancing the electrical conductivity of composites of polypropylene and hybrid fillers. Composites Science and Technology, 2021, 211, 108846.	3.8	6
107	Investigation of Melt-Intercalated PET-Clay Nanocomposites. Polymers and Polymer Composites, 2004, 12, 619-625.	1.0	5
108	Fibre Orientation and Mechanical Properties of Short Glass Fibre Reinforced PP Composites. Polymers and Polymer Composites, 2005, 13, 253-262.	1.0	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 5	1.0	5
110	Structural and electrical properties of CuAlMo thin films prepared by magnetron sputtering. Thin Solid Films, 2013, 540, 235-241.	0.8	5
111	Functionalization of BaTiO3 nanoparticles with electron insulating and conducting organophosphazene-based hybrid materials. RSC Advances, 2017, 7, 19674-19683.	1.7	5
112	Tailoring Electromechanical Properties of Natural Rubber Vitrimers by Cross-Linkers. Industrial & Engineering Chemistry Research, 2022, 61, 8871-8880.	1.8	5
113	Rheological Properties and Morphology of PC/AES Blends. Journal of Macromolecular Science - Physics, 2006, 45, 987-1004.	0.4	4
114	Electronic Applications of Ethylene Vinyl Acetate and Its Composites. Springer Series on Polymer and Composite Materials, 2016, , 61-85.	0.5	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, .	3.3	4
116	Microstructure, Interfacial Interactions, and Rheological Properties of PC/AES/Montmorillonite Composites. Journal of Macromolecular Science - Physics, 2006, 45, 1159-1169.	0.4	3
117	Soybean oil induced efficient thermalâ€“oxidative degradation of covalently crosslinked styrene butadiene rubber. Journal of Applied Polymer Science, 2020, 137, 48935.	1.3	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.	1.4	3
119	Tuning triboelectric and energy harvesting properties of dielectric elastomers via dynamic ionic crosslinks. Materials Advances, 2022, 3, 4213-4226.	2.6	3
120	Crystallization Behaviour and Mechanical Properties of Polypropylene Copolymer/Silicon Dioxide Nanocomposites. Polymers and Polymer Composites, 2006, 14, 145-154.	1.0	2
121	In situ esterâ€“amide exchange reaction between polyamide 6 and ethyleneâ€vinyl acetate rubber during melt blending. Journal of Applied Polymer Science, 2014, 131, .	1.3	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.	1.3	2
124	Isocyanate-functionalised graphene oxide and poly(vinyl alcohol) nacre-mimetic inspired freestanding films. Nanoscale Advances, 2021, 4, 49-57.	2.2	2
125	Effect of Epoxy Modifier on Flame Retardancy and Rheological Behaviour of ABS/Montmorillonite Composites. Polymers and Polymer Composites, 2006, 14, 805-812.	1.0	1
126	Achievements and Prospects of Thermoelectric and Hybrid Energy Harvesters for Wearable Electronic Applications. , 2021, , 3-40.		1

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127	PiezoelectricâEDriven SelfâESensing LeafâEMimic Actuator Enabled by Integration of a SelfâEHealing Dielectric Elastomer and a Piezoelectric Composite. Advanced Intelligent Systems, 2021, 3, 2170062.	3.3	1
128	Flexible Piezoelectric and Pyroelectric Polymers and Nanocomposites for Energy Harvesting Applications. Engineering Materials and Processes, 2017, , 537-557.	0.2	1
129	Graft copolymerization of methyl methacrylate from brominated poly(isobutyleneâE‹i›co‹/i›âEisoprene) via atom transfer radical polymerization. Journal of Applied Polymer Science, 2016, 133, .	1.3	0
130	Silicon Anodes Incorporating Few-Layer Graphene (FLG) for Improved Cyclability in Li-Ion Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0
131	Novel Binary Binder PAA-SBR Towards Silicon Anodes in Li-Ion Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0
132	PeanoâEHydraulically Amplified SelfâEHealing Electrostatic Actuators Based on a Novel Bilayer Polymer Shell for Enhanced Strain, Load, and Rotary Motion. Advanced Intelligent Systems, 2022, 4, 2270022.	3.3	0