

Jian Xu

List of Publications by Year in descending order

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241
papers

11,404
citations

28274

55
h-index

37204

96
g-index

246
all docs

246
docs citations

246
times ranked

13668
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase change materials with multiple energy conversion and storage abilities based on large-scale carbon felts. <i>Composites Science and Technology</i> , 2022, 221, 109177.	7.8	11
2	Recent Advances in Photobiocatalysis for Selective Organic Synthesis. <i>Organic Process Research and Development</i> , 2022, 26, 1900-1913.	2.7	25
3	Plasmonic Metal Nanoparticle Loading to Enhance the Photothermal Conversion of Carbon Fibers. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2454-2462.	3.1	23
4	Digital Light Processing 3D Printing of Enhanced Polymers via Interlayer Welding. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200053.	3.9	10
5	Rational design of fatty acid photodecarboxylase enables the efficient decarboxylation of medium- and short-chain fatty acids for the production of gasoline bio-alkanes. <i>Molecular Catalysis</i> , 2022, 524, 112261.	2.0	9
6	Superior Hard but Quickly Reversible Siâ€“Oâ€“Si Network Enables Scalable Fabrication of Transparent, Self-Healing, Robust, and Programmable Multifunctional Nanocomposite Coatings. <i>Journal of the American Chemical Society</i> , 2022, 144, 436-445.	13.7	36
7	Biocatalytic Site-Selective Hydrogen Isotope Exchange of Unsaturated Fragments with D ₂ O. <i>ACS Catalysis</i> , 2022, 12, 783-788.	11.2	6
8	Ultrafast Solar-Vapor Harvesting Based on a Hierarchical Porous Hydrogel with Wettability Contrast and Tailored Water States. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24766-24774.	8.0	10
9	Hierarchical Porous Polymer Coatings Based on UV-Curing for Highly Efficient Passive All-Day Radiative Cooling. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5746-5755.	4.4	7
10	Carbon Nanotubes Grown on the Carbon Fibers to Enhance the Photothermal Conversion toward Solar-Driven Applications. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32404-32411.	8.0	41
11	Co/Co ₉ S ₈ @carbon nanotubes on a carbon sheet: facile controlled synthesis, and application to electrocatalysis in oxygen reduction/oxygen evolution reactions, and to a rechargeable Zn-air battery. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 368-375.	6.0	19
12	Cyclization mechanism and kinetics of poly(acrylonitrile-co-2-acrylamido-2-methylpropane sulfonic) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	4.8	10
13	Tear resistant Tyvek/Ag/poly(3,4-ethylenedioxythiophene): Polystyrene sulfonate (PEDOT:PSS)/carbon nanotubes electrodes for flexible high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 420, 127665.	12.7	16
14	Reprintable Polymers for Digital Light Processing 3D Printing. <i>Advanced Functional Materials</i> , 2021, 31, 2007173.	14.9	38
15	Electronic Effectâ€“Guided Rational Design of <i>Candida antarctica</i> Lipase B for Kinetic Resolution Towards Diarylmethanols. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1867-1872.	4.3	10
16	Transparent Super-Repellent Surfaces with Low Haze and High Jet Impact Resistance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13813-13821.	8.0	26
17	Intramolecular Stereoselective Stetter Reaction Catalyzed by Benzaldehyde Lyase. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9326-9329.	13.8	16
18	Intramolecular Stereoselective Stetter Reaction Catalyzed by Benzaldehyde Lyase. <i>Angewandte Chemie</i> , 2021, 133, 9412-9415.	2.0	5

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19	Skin-Inspired Double-Hydrophobic Coating Encapsulated Hydrogels with Enhanced Water Retention Capacity. <i>Advanced Functional Materials</i> , 2021, 31, 2102433.	14.9	96
20	Heat-Resistant and High-Performance Solid-State Supercapacitors Based on Poly(<i>para</i> -phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 2021, 13, 18100-18109.	8.0	12
21	Light-driven decarboxylative deuteration enabled by a divergently engineered photodecarboxylase. <i>Nature Communications</i> , 2021, 12, 3983.	12.8	53
22	Digital Light Processing 3D Printing of Healable and Recyclable Polymers with Tailorable Mechanical Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34954-34961.	8.0	41
23	Engineering Fatty Acid Photodecarboxylase to Enable Highly Selective Decarboxylation of <i>trans</i> -Fatty Acids. <i>Angewandte Chemie</i> , 2021, 133, 20863-20867.	2.0	5
24	Engineering Fatty Acid Photodecarboxylase to Enable Highly Selective Decarboxylation of <i>trans</i> -Fatty Acids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20695-20699.	13.8	40
25	An Extremely Stretchable and Self-Healable Supramolecular Polymer Network. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4499-4507.	8.0	21
26	Rational Design of Biocatalytic Deuteration Platform of Aldehydes. <i>ACS Catalysis</i> , 2021, 11, 13348-13354.	11.2	9
27	Molecular weight switchable polyurethanes enable melt processing. <i>Chemical Engineering Journal</i> , 2020, 384, 123287.	12.7	10
28	Microstructure and properties of polyacrylonitrile based carbon fibers. <i>Polymer Testing</i> , 2020, 81, 106267.	4.8	53
29	Phase transformation of PiMoCo and their electrocatalytic activity for oxygen evolution reaction. <i>CrystEngComm</i> , 2020, 22, 6003-6009.	2.6	1
30	Investigation of the Cyclization Mechanism of Poly(acrylonitrile- <i>co</i> -ethylene sulfonic acid) Copolymer during Thermal Oxidative Stabilization by <i>In Situ</i> Infrared Spectroscopy. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9519-9531.	3.7	6
31	Bioinspired "Skin" with Cooperative Thermo-Optical Effect for Daytime Radiative Cooling. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25286-25293.	8.0	84
32	Nano-structured Hollow Carbon Materials from a Non-isothermal Chemical Vapor Deposition of Polyphenols. <i>Chinese Journal of Chemistry</i> , 2020, 38, 590-594.	4.9	2
33	Carbon Vesicles: A Symmetry-Breaking Strategy for Wide-Band and Solvent-Processable Ultrablack Coating Materials. <i>Advanced Functional Materials</i> , 2020, 30, 1909877.	14.9	18
34	Double Enzyme-Catalyzed One-Pot Synthesis of Enantiocomplementary Vicinal Fluoro Alcohols. <i>Organic Letters</i> , 2020, 22, 5446-5450.	4.6	8
35	Facile synthesis of robust hybrid xerogels by an emulsion assistant method. <i>Chemical Engineering Journal</i> , 2020, 401, 125937.	12.7	4
36	Dual-Tunable Structural Colors from Liquid-Infused Aerogels. <i>Advanced Optical Materials</i> , 2020, 8, 1901825.	7.3	4

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37	Controlled Synthesis of Co@N-Doped Carbon by Pyrolysis of ZIF with 2-Aminobenzimidazole Ligand for Enhancing Oxygen Reduction Reaction and the Application in Zn-Air Battery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11693-11701.	8.0	54
38	Enantiocomplementary C-H Bond Hydroxylation Combining Photocatalysis and Whole-Cell Biocatalysis in a One-Pot Cascade Process. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 821-825.	2.4	19
39	Recyclable, Self-Healing, Thermadappt Triple-Shape Memory Polymers Based on Dual Dynamic Bonds. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9833-9841.	8.0	88
40	Exploiting Cofactor Versatility to Convert a FAD-Dependent Baeyer-Villiger Monooxygenase into a Ketoreductase. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14499-14503.	13.8	26
41	Exploiting Cofactor Versatility to Convert a FAD-Dependent Baeyer-Villiger Monooxygenase into a Ketoreductase. <i>Angewandte Chemie</i> , 2019, 131, 14641-14645.	2.0	7
42	Continuous preparation of high performance flexible asymmetric supercapacitor with a very fast, low-cost, simple and scalable electrochemical co-deposition method. <i>Journal of Power Sources</i> , 2019, 437, 226827.	7.8	15
43	Preparation, Stabilization and Carbonization of a Novel Polyacrylonitrile-Based Carbon Fiber Precursor. <i>Polymers</i> , 2019, 11, 1150.	4.5	59
44	Triboelectric nanogenerators made of polybenzazole aerogels as fire-resistant negative tribo-materials. <i>Nano Energy</i> , 2019, 64, 103900.	16.0	47
45	Functional bacterial cellulose membranes with 3D porous architectures: Conventional drying, tunable wettability and water/oil separation. <i>Journal of Membrane Science</i> , 2019, 591, 117312.	8.2	44
46	Dynamic multiphase semi-crystalline polymers based on thermally reversible pyrazole-urea bonds. <i>Nature Communications</i> , 2019, 10, 4753.	12.8	86
47	Dual-Enzyme-Catalyzed Synthesis of Enantiocomplementary Polyesters. <i>ACS Macro Letters</i> , 2019, 8, 1432-1436.	4.8	6
48	Superstretchable Dynamic Polymer Networks. <i>Advanced Materials</i> , 2019, 31, e1904029.	21.0	75
49	Customizing the Enantioselectivity of a Cyclohexanone Monooxygenase by a Strategy Combining α -Size-Probes with in silico Study. <i>ChemCatChem</i> , 2019, 11, 5085-5092.	3.7	1
50	Blue Laser Projection Printing of Conductive Complex 2D and 3D Metallic Structures from Photosensitive Precursors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21668-21674.	8.0	19
51	Biophotonic Films: Biomimetic Polymer Film with Brilliant Brightness Using a One-Step Water Vapor-Induced Phase Separation Method (<i>Adv. Funct. Mater.</i> 23/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970158.	14.9	1
52	General Surface Modification Method for Nanospheres via Tannic Acid-Fe Layer-by-Layer Deposition: Preparation of a Magnetic Nanocatalyst. <i>ACS Applied Nano Materials</i> , 2019, 2, 3510-3517.	5.0	24
53	Light-Driven Kinetic Resolution of β -Functionalized Carboxylic Acids Enabled by an Engineered Fatty Acid Photodecarboxylase. <i>Angewandte Chemie</i> , 2019, 131, 8562-8566.	2.0	21
54	Light-Driven Kinetic Resolution of β -Functionalized Carboxylic Acids Enabled by an Engineered Fatty Acid Photodecarboxylase. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8474-8478.	13.8	77

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55	Stereodivergent Protein Engineering of a Lipase To Access All Possible Stereoisomers of Chiral Esters with Two Stereocenters. <i>Journal of the American Chemical Society</i> , 2019, 141, 7934-7945.	13.7	106
56	Biomimetic Polymer Film with Brilliant Brightness Using a One-Step Water Vapor-Induced Phase Separation Method. <i>Advanced Functional Materials</i> , 2019, 29, 1808885.	14.9	44
57	Enantiocomplementary decarboxylative hydroxylation combining photocatalysis and whole-cell biocatalysis in a one-pot cascade process. <i>Green Chemistry</i> , 2019, 21, 1907-1911.	9.0	31
58	Cast-and-Use Super Black Coating Based on Polymer-Derived Hierarchical Porous Carbon Spheres. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15945-15951.	8.0	29
59	Coaxial electrospinning synthesis hollow Mo ₂ C@C core-shell nanofibers for high-performance and long-term lithium-ion batteries. <i>Applied Surface Science</i> , 2019, 473, 352-358.	6.1	35
60	Highly Focused Library-Based Engineering of <i>Candida antarctica</i> Lipase B with <i>S</i> -Selectivity Towards <i>sec</i> -Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 126-134.	4.3	19
61	Cu ₂ O-clay composites with sub-micrometer-sized Cu ₂ O particles for marine antifouling paints. <i>Journal of Coatings Technology Research</i> , 2019, 16, 25-30.	2.5	11
62	Aerogels Derived from Polymer Nanofibers and Their Applications. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700724.	3.9	64
63	Facile preparation and characterization of soluble aramid. <i>Journal of Applied Polymer Science</i> , 2018, 135, 4634159.	2.6	8
64	Chain diffusion and exchange during build-up of hydrogen-bonded polymer complex film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 539, 148-153.	4.7	3
65	Superhydrophobic/Superhydrophilic Janus Fabrics Reducing Blood Loss. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701086.	7.6	94
66	Conformal Nanocoatings with Uniform and Controllable Thickness on Microstructured Surfaces: A General Assembly Route. <i>Advanced Materials</i> , 2018, 30, 1704131.	21.0	7
67	Ultrahigh-Strength Ultrahigh Molecular Weight Polyethylene (UHMWPE)-Based Fiber Electrode for High Performance Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1707351.	14.9	44
68	NiS ₂ @CoS ₂ nanocrystals encapsulated in N-doped carbon nanocubes for high performance lithium/sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 11, 67-74.	18.0	346
69	Responsive complex capsules prepared with polymerization of dopamine, hydrogen-bonding assembly, and catechol dismutation. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 470-479.	9.4	23
70	1D to 3D hierarchical iron selenide hollow nanocubes assembled from FeSe ₂ @C core-shell nanorods for advanced sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 10, 48-55.	18.0	221
71	Superelastic and ultralight polyimide aerogels as thermal insulators and particulate air filters. <i>Journal of Materials Chemistry A</i> , 2018, 6, 828-832.	10.3	113
72	Facile fabrication of flexible layered GO/BNNS composite films with high thermal conductivity. <i>Journal of Materials Science</i> , 2018, 53, 4189-4198.	3.7	31

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73	Fire-resistant, ultralight, superelastic and thermally insulated polybenzazole aerogels. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20769-20777.	10.3	49
74	Polyester Nanofilms with Enhanced Polyhydroxyl Architectures for the Separation of Metal Ions from Aqueous Solutions. <i>ACS Applied Nano Materials</i> , 2018, 1, 6176-6186.	5.0	7
75	Solvent free nanoscale ionic materials based on Fe ₃ O ₄ nanoparticles modified with mussel inspired ligands. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 404-409.	9.4	4
76	One-Step Self-Assembly for Fabricating Asymmetric Particle Arrays and Templates for Bifunctional Systems. <i>ACS Applied Nano Materials</i> , 2018, 1, 3800-3806.	5.0	3
77	Cu nanocrystal enhancement of C ₃ N ₄ /Cu hetero-structures and new applications in photo-electronic catalysis: hydrazine oxidation and redox reactions of organic molecules. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2420-2424.	6.0	9
78	New comonomer for polyacrylonitrile-based carbon fiber: Density functional theory study and experimental analysis. <i>Polymer</i> , 2018, 153, 369-377.	3.8	16
79	Microgel-Enhanced Double Network Hydrogel Electrode with High Conductivity and Stability for Intrinsically Stretchable and Flexible All-Gel-State Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19323-19330.	8.0	62
80	N-doped foam flame retardant polystyrene derived porous carbon as an efficient scaffold for lithium-selenium battery with long-term cycling performance. <i>Chemical Engineering Journal</i> , 2018, 350, 411-418.	12.7	23
81	Fabrication of oriented wrinkles on polydopamine/polystyrene bilayer films. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 123-127.	9.4	12
82	Spherically aggregated Cu ₂ O@TA hybrid sub-microparticles with modulated size and improved chemical stability. <i>CrystEngComm</i> , 2017, 19, 1888-1895.	2.6	13
83	Ultra Water Repellent Polypropylene Surfaces with Tunable Water Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10224-10232.	8.0	29
84	Effects of ultra-high temperature treatment on the microstructure of carbon fibers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 764-772.	3.8	16
85	Fabrication of Conductive Silver Microtubes Using Natural Catkin as a Template. <i>ACS Omega</i> , 2017, 2, 1738-1745.	3.5	19
86	Preparation of recyclable polybutadiene rubber based on acid-base complexation. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45280.	2.6	6
87	Oxime-Based and Catalyst-Free Dynamic Covalent Polyurethanes. <i>Journal of the American Chemical Society</i> , 2017, 139, 8678-8684.	13.7	290
88	Stereoselectivity-Tailored, Metal-Free Hydrolytic Dynamic Kinetic Resolution of Morita-Baylis-Hillman Acetates Using an Engineered Lipase Organic Base Cocatalyst. <i>ACS Catalysis</i> , 2017, 7, 4542-4549.	11.2	29
89	Cellulose derivative-lanthanide complex film by hierarchical assembly process. <i>Carbohydrate Polymers</i> , 2017, 168, 240-246.	10.2	8
90	Recyclable polybutadiene elastomer based on dynamic imine bond. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2011-2018.	2.3	97

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91	Recyclable Polydimethylsiloxane Network Crosslinked by Dynamic Transesterification Reaction. <i>Scientific Reports</i> , 2017, 7, 11833.	3.3	72
92	Blue laser diode-initiated photosensitive resins for 3D printing. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12035-12038.	5.5	14
93	Biomimetic Gradient Polymers with Enhanced Damping Capacities. <i>Macromolecular Rapid Communications</i> , 2016, 37, 655-661.	3.9	28
94	Fabrication of oriented hBN scaffolds for thermal interface materials. <i>RSC Advances</i> , 2016, 6, 16489-16494.	3.6	108
95	Reversible molecular adsorption of free-standing nano-composite film made from boehmite and poly(acrylic acid). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 507, 210-217.	4.7	1
96	A versatile coating approach to fabricate superwetting membranes for separation of water-in-oil emulsions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016, 34, 1234-1239.	3.8	10
97	One-pot bienzymatic cascade combining decarboxylative aldol reaction and kinetic resolution to synthesize chiral β -hydroxy ketone derivatives. <i>RSC Advances</i> , 2016, 6, 76829-76837.	3.6	15
98	Cu ₂ O@IER (Ion-exchange Resin) Composites: A Novel Strategy for Cu ₂ O Synthesis. <i>Chemistry Letters</i> , 2016, 45, 238-240.	1.3	2
99	Highly Elastic Fibers Made from Hydrogen-Bonded Polymer Complex. <i>ACS Macro Letters</i> , 2016, 5, 814-818.	4.8	46
100	Facile preparation of bridged silsesquioxane microspheres with interconnected multi-cavities and open holes. <i>RSC Advances</i> , 2016, 6, 21571-21576.	3.6	4
101	Dynamic cross-links to facilitate recyclable polybutadiene elastomer with excellent toughness and stretchability. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1357-1366.	2.3	38
102	Air-expansion induced hierarchically porous carbonaceous aerogels from biomass materials with superior lithium storage properties. <i>RSC Advances</i> , 2016, 6, 7591-7598.	3.6	19
103	Low-cost mussel inspired poly(catechol/polyamine) coating with superior anti-corrosion capability on copper. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 214-221.	9.4	46
104	Anti-fogging and anti-frosting behaviors of layer-by-layer assembled cellulose derivative thin film. <i>Applied Surface Science</i> , 2016, 370, 1-5.	6.1	68
105	Dynamics of the layer-by-layer assembly of a poly(acrylic acid)-lanthanide complex colloid and poly(diallyldimethyl ammonium). <i>Soft Matter</i> , 2016, 12, 867-875.	2.7	15
106	Robust Polypropylene Fabrics Super-Repelling Various Liquids: A Simple, Rapid and Scalable Fabrication Method by Solvent Swelling. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13996-14003.	8.0	53
107	Mechanically robust aerogels derived from an amine-bridged silsesquioxane precursor. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 519-529.	2.4	8
108	Solvent effect on hydrogen-bonded thin film of poly(vinylpyrrolidone) and poly(acrylic acid) prepared by layer-by-layer assembly. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 471, 11-18.	4.7	18

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109	Robust Superhydrophobic Bridged Silsesquioxane Aerogels with Tunable Performances and Their Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2016-2024.	8.0	80
110	Structure and Fabry-Pérot fringes of polymer-boehmite hybrid thin film by sol-gel dip-coating. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 154-160.	2.4	4
111	Bioinspired Modification of h-BN for High Thermal Conductive Composite Films with Aligned Structure. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5701-5708.	8.0	403
112	Effect of microgel content on the shear and extensional rheology of polyacrylonitrile solution. <i>Colloid and Polymer Science</i> , 2015, 293, 587-596.	2.1	9
113	Effect of water content on the size and membrane thickness of polystyrene-block-poly(ethylene oxide) vesicles. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 661-668.	3.8	9
114	Facile in situ synthesis of silver nanoparticles on boron nitride nanosheets with enhanced catalytic performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16663-16669.	10.3	110
115	Reversible Swelling-Shrinking Behavior of Hydrogen-Bonded Free-Standing Thin Film Stabilized by Catechol Reaction. <i>Langmuir</i> , 2015, 31, 5147-5154.	3.5	35
116	Facile fabrication of metal oxide hollow spheres using polydopamine nanoparticles as active templates. <i>Polymer International</i> , 2015, 64, 986-991.	3.1	13
117	Characterization of maxillofacial silicone elastomer reinforced with different hollow microspheres. <i>Journal of Materials Science</i> , 2015, 50, 3976-3983.	3.7	20
118	Intelligent rubber with tailored properties for self-healing and shape memory. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12864-12872.	10.3	132
119	Smart Enrichment and Facile Separation of Oil from Emulsions and Mixtures by Superhydrophobic/Superoleophilic Particles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10475-10481.	8.0	99
120	Transition from shish-kebab to fibrillar crystals during ultra-high hot stretching of ultra-high molecular weight polyethylene fibers: In situ small and wide angle X-ray scattering studies. <i>European Polymer Journal</i> , 2015, 73, 127-136.	5.4	42
121	Facile fabrication of robust superhydrophobic porous materials and their application in oil/water separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23252-23260.	10.3	94
122	Robust anti-reflective silica nanocoatings: abrasion resistance enhanced via capillary condensation of APTES. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4254-4259.	5.5	10
123	Low-temperature thermal stabilization of polyacrylonitrile-based precursor fibers towards efficient preparation of carbon fibers with improved mechanical properties. <i>Polymer</i> , 2015, 76, 131-139.	3.8	28
124	The porous structure of the fully-aromatic polyamide film in reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2015, 475, 504-510.	8.2	205
125	Polymer Complexation by Hydrogen Bonding at the Interface. <i>Australian Journal of Chemistry</i> , 2014, 67, 11.	0.9	22
126	Interfacial complexation behavior of anionic and cationic cellulose derivatives. <i>RSC Advances</i> , 2014, 4, 55459-55465.	3.6	10

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127	Patterned polymer surfaces with wetting contrast prepared by polydopamine modification. Journal of Applied Polymer Science, 2014, 131, .	2.6	7
128	Fabrication and application of superhydrophilic surfaces: a review. Journal of Adhesion Science and Technology, 2014, 28, 769-790.	2.6	105
129	Nanoscale dynamic mechanical imaging of the skinâ€‘core difference: From PAN precursors to carbon fibers. Materials Letters, 2014, 128, 417-420.	2.6	46
130	Complexation behavior of poly(acrylic acid) and lanthanide ions. Polymer, 2014, 55, 1183-1189.	3.8	40
131	Facile seed-assisted hydrothermal fabrication of TiO_2 -ALOOH nanoflake films with superhydrophobicity. New Journal of Chemistry, 2014, 38, 1321.	2.8	22
132	Folding and birefringence behavior of poly(vinyl alcohol) hydrogel film induced by freezing and thawing. RSC Advances, 2014, 4, 49861-49865.	3.6	6
133	3D conductive network-based free-standing PANIâ€‘RGOâ€‘MWNTs hybrid film for high-performance flexible supercapacitor. Journal of Materials Chemistry A, 2014, 2, 12340-12347.	10.3	92
134	Formation of ALOOH and silica composite hierarchical nanostructures thin film by solâ€‘gel dip-coating for superhydrophobic surface with high adhesion force. Journal of Sol-Gel Science and Technology, 2014, 72, 511-517.	2.4	7
135	Lamellae break induced formation of shish-kebab during hot stretching of ultra-high molecular weight polyethylene precursor fibers investigated by in situ small angle X-ray scattering. Polymer, 2014, 55, 4299-4306.	3.8	46
136	Bioinspired Materials: from Low to High Dimensional Structure. Advanced Materials, 2014, 26, 6994-7017.	21.0	198
137	In situ growth of hierarchical boehmite on 2024 aluminum alloy surface as superhydrophobic materials. RSC Advances, 2014, 4, 14708-14714.	3.6	55
138	Mussel Inspired Modification of Polypropylene Separators by Catechol/Polyamine for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 5602-5608.	8.0	147
139	SDBS-assisted preparation of novel polyaniline planar-structure: Morphology, mechanism and hydrophobicity. Journal of Colloid and Interface Science, 2014, 414, 46-49.	9.4	19
140	Rhodamine loading and releasing behavior of hydrogen-bonded poly(vinylpyrrolidone)/poly(acrylic acid) hydrogel. Journal of Applied Polymer Science, 2014, 112, 1215-1221.	4.7	12
141	A superhydrophobic surface with high performance derived from STA-APTES organicâ€‘inorganic molecular hybrid. Journal of Colloid and Interface Science, 2013, 407, 482-487.	9.4	13
142	A developed full-field fem analysis combined with ESPI for the investigation of defect evolution in polymer films. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1022-1028.	3.8	1
143	Precise preparation of highly monodisperse ZrO_2 @ SiO_2 coreâ€‘shell nanoparticles with adjustable refractive indices. Journal of Materials Chemistry C, 2013, 1, 3359.	5.5	15
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