

Jing-Ye Li

List of Publications by Year in descending order

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151
papers

8,597
citations

50276

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docs citations

153
times ranked

10516
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion sieving in graphene oxide membranes via cationic control of interlayer spacing. <i>Nature</i> , 2017, 550, 380-383.	27.8	1,171
2	Salt-Induced Fabrication of Superhydrophilic and Underwater Superoleophobic PAA-g-PVDF Membranes for Effective Separation of Oil-in-Water Emulsions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 856-860.	13.8	673
3	Ultra-light, compressible and fire-resistant graphene aerogel as a highly efficient and recyclable absorbent for organic liquids. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2934.	10.3	380
4	A Robust Polyionized Hydrogel with an Unprecedented Underwater Anti-Crude Oil Adhesion Property. <i>Advanced Materials</i> , 2016, 28, 5307-5314.	21.0	346
5	Laundering Durability of Superhydrophobic Cotton Fabric. <i>Advanced Materials</i> , 2010, 22, 5473-5477.	21.0	276
6	Self-Sensing, Ultralight, and Conductive 3D Graphene/Iron Oxide Aerogel Elastomer Deformable in a Magnetic Field. <i>ACS Nano</i> , 2015, 9, 3969-3977.	14.6	266
7	Layer-by-Layer Construction of Cu ²⁺ /Alginate Multilayer Modified Ultrafiltration Membrane with Bioinspired Superwetting Property for High Efficient Crude Oil-in-Water Emulsion Separation. <i>Advanced Functional Materials</i> , 2018, 28, 1801944.	14.9	256
8	3D hierarchical porous amidoxime fibers speed up uranium extraction from seawater. <i>Energy and Environmental Science</i> , 2019, 12, 1979-1988.	30.8	208
9	Graphene Oxide-Based Antibacterial Cotton Fabrics. <i>Advanced Healthcare Materials</i> , 2013, 2, 1259-1266.	7.6	207
10	Sol-gel preparation of PAA-g-PVDF/TiO ₂ nanocomposite hollow fiber membranes with extremely high water flux and improved antifouling property. <i>Journal of Membrane Science</i> , 2013, 432, 25-32.	8.2	167
11	Radiation induced reduction: an effective and clean route to synthesize functionalized graphene. <i>Journal of Materials Chemistry</i> , 2012, 22, 7775.	6.7	163
12	Antifouling microfiltration membranes prepared from acrylic acid or methacrylic acid grafted poly(vinylidene fluoride) powder synthesized via pre-irradiation induced graft polymerization. <i>Journal of Membrane Science</i> , 2010, 350, 252-258.	8.2	126
13	High-Performance Perovskite Solar Cells Engineered by an Ammonia Modified Graphene Oxide Interfacial Layer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14503-14512.	8.0	120
14	Reactive Nanoparticles Compatibilized Immiscible Polymer Blends: Synthesis of Reactive SiO ₂ with Long Poly(methyl methacrylate) Chains and the in Situ Formation of Janus SiO ₂ Nanoparticles Anchored Exclusively at the Interface. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14358-14370.	8.0	112
15	Effect of a Room-Temperature Ionic Liquid on the Structure and Properties of Electrospun Poly(vinylidene fluoride) Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4447-4457.	8.0	103
16	Electrospun nanofibrous adsorbents for uranium extraction from seawater. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2552-2558.	10.3	103
17	Laundering Durability of Photocatalyzed Self-Cleaning Cotton Fabric with TiO ₂ Nanoparticles Covalently Immobilized. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3697-3703.	8.0	97
18	Rheology of Nanosilica-Compatibilized Immiscible Polymer Blends: Formation of a Heterogeneous Network Facilitated by Interfacially Anchored Hybrid Nanosilica. <i>Macromolecules</i> , 2017, 50, 9494-9506.	4.8	97

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19	Preparation of polymer decorated graphene oxide by $\hat{\text{I}}^3$ -ray induced graft polymerization. <i>Nanoscale</i> , 2012, 4, 1742.	5.6	89
20	Supramolecular Self-Assembly of Inclusion Complexes of a Multiarm Hyperbranched Polyether with Cyclodextrins. <i>Langmuir</i> , 2004, 20, 484-490.	3.5	84
21	Microfiltration membranes with pH dependent property prepared from poly(methacrylic acid) grafted polyethersulfone powder. <i>Journal of Membrane Science</i> , 2009, 330, 363-368.	8.2	83
22	Flexible graphene fibers prepared by chemical reduction-induced self-assembly. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6359.	10.3	78
23	Adsorption of Uranyl ions on Amine-functionalization of MIL-101(Cr) Nanoparticles by a Facile Coordination-based Post-synthetic strategy and X-ray Absorption Spectroscopy Studies. <i>Scientific Reports</i> , 2015, 5, 13514.	3.3	78
24	Preparation of Amidoximated Ultrahigh Molecular Weight Polyethylene Fiber by Radiation Grafting and Uranium Adsorption Test. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4118-4124.	3.7	77
25	Ultrahigh and economical uranium extraction from seawater via interconnected open-pore architecture poly(amidoxime) fiber. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22032-22044.	10.3	77
26	Graphene Oxide Transparent Hybrid Film and Its Ultraviolet Shielding Property. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17558-17564.	8.0	76
27	Adsorption of the Uranyl Ions on an Amidoxime-Based Polyethylene Nonwoven Fabric Prepared by Preirradiation-Induced Emulsion Graft Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15089-15095.	3.7	75
28	pH-Induced non-fouling membrane for effective separation of oil-in-water emulsion. <i>Journal of Membrane Science</i> , 2015, 477, 131-138.	8.2	72
29	A Study on the Degree of Amidoximation of Polyacrylonitrile Fibers and Its Effect on Their Capacity to Adsorb Uranyl Ions. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3101-3106.	3.7	71
30	Poly (vinylidene fluoride) dielectric composites with both ionic nanoclusters and well dispersed graphene oxide. <i>Composites Science and Technology</i> , 2017, 138, 98-105.	7.8	70
31	Engineering Reduced Graphene Oxide Aerogel Produced by Effective $\hat{\text{I}}^3$ -ray Radiation-Induced Self-Assembly and Its Application for Continuous Oil-Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3775-3781.	3.7	69
32	Poly (vinyl alcohol) modification of poly(vinylidene fluoride) microfiltration membranes for oil/water emulsion separation via an unconventional radiation method. <i>Journal of Membrane Science</i> , 2021, 619, 118792.	8.2	69
33	Laundering durable antibacterial cotton fabrics grafted with pomegranate-shaped polymer wrapped in silver nanoparticle aggregations. <i>Scientific Reports</i> , 2014, 4, 5920.	3.3	68
34	Critical Dipole Length for the Wetting Transition Due to Collective Water-dipoles Interactions. <i>Scientific Reports</i> , 2012, 2, 358.	3.3	64
35	Pre-irradiation induced grafting of styrene into crosslinked and non-crosslinked polytetrafluoroethylene films for polymer electrolyte fuel cell applications. I: Influence of styrene grafting conditions. <i>European Polymer Journal</i> , 2004, 40, 775-783.	5.4	63
36	Microfiltration membranes prepared from polyethersulfone powder grafted with acrylic acid by simultaneous irradiation and their pH dependence. <i>Radiation Physics and Chemistry</i> , 2008, 77, 898-906.	2.8	62

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37	Preparation of the antifouling microfiltration membranes from poly(N,N-dimethylacrylamide) grafted poly(vinylidene fluoride) (PVDF) powder. <i>Journal of Materials Chemistry</i> , 2011, 21, 11908.	6.7	61
38	Ultrathin microporous membrane with high oil intrusion pressure for effective oil/water separation. <i>Journal of Membrane Science</i> , 2020, 608, 118201.	8.2	59
39	Self-healing of the superhydrophobicity by ironing for the abrasion durable superhydrophobic cotton fabrics. <i>Scientific Reports</i> , 2013, 3, 2951.	3.3	58
40	Zwitterionic Nanofibrous Membranes with a Superior Antifouling Property for Gravity-Driven Crude Oil-in-Water Emulsion Separation. <i>Langmuir</i> , 2019, 35, 1682-1689.	3.5	56
41	Cupric phosphate mineralized polymer membrane with superior cycle stability for oil/water emulsion separation. <i>Journal of Membrane Science</i> , 2020, 612, 118427.	8.2	56
42	Tuning the cellular uptake and cytotoxicity of carbon nanotubes by surface hydroxylation. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6941-6952.	1.9	54
43	Inclusion Complexes Formation between Cyclodextrins and Poly(1,3-dioxolane). <i>Macromolecules</i> , 2001, 34, 1542-1544.	4.8	50
44	Formation of Interfacial Janus Nanomicelles by Reactive Blending and Their Compatibilization Effects on Immiscible Polymer Blends. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9240-9252.	2.6	50
45	Engineering nano-porous graphene oxide by hydroxyl radicals. <i>Carbon</i> , 2016, 105, 291-296.	10.3	49
46	Antisuperbug Cotton Fabric with Excellent Laundering Durability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19866-19871.	8.0	47
47	Extended X-ray Absorption Fine Structure and Density Functional Theory Studies on the Complexation Mechanism of Amidoximate Ligand to Uranyl Carbonate. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4224-4230.	3.7	43
48	Uranium Adsorption Tests of Amidoxime-Based Ultrahigh Molecular Weight Polyethylene Fibers in Simulated Seawater and Natural Coastal Marine Seawater from Different Locations. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1103-1111.	3.7	43
49	Stretchable Ionic-Liquid-Based Gel Polymer Electrolytes for Lithium-Ion Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12456-12463.	3.7	42
50	A novel approach to prepare proton exchange membranes from fluoropolymer powder by pre-irradiation induced graft polymerization. <i>Journal of Membrane Science</i> , 2010, 346, 113-120.	8.2	41
51	$\hat{\gamma}$ -ray irradiation effects on graphene oxide in an ethylenediamine aqueous solution. <i>Radiation Physics and Chemistry</i> , 2014, 94, 80-83.	2.8	41
52	Gamma-ray irradiation-induced reduction and self-assembly of graphene oxide into three-dimensional graphene aerogel. <i>Materials Letters</i> , 2016, 177, 76-79.	2.6	40
53	Pre-irradiation induced grafting of styrene into crosslinked and non-crosslinked polytetrafluoroethylene films for polymer electrolyte fuel cell applications. II: Characterization of the styrene grafted films. <i>European Polymer Journal</i> , 2005, 41, 547-555.	5.4	39
54	Electrical Switchability and Dry-Wash Durability of Conductive Textiles. <i>Scientific Reports</i> , 2015, 5, 11255.	3.3	39

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55	Designing breathable superhydrophobic cotton fabrics. <i>RSC Advances</i> , 2015, 5, 27752-27758.	3.6	39
56	Nanostructured Poly(vinylidene fluoride)/Ionic Liquid Composites: Formation of Organic Conductive Nanodomains in Polymer Matrix. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21155-21164.	3.1	36
57	Poly(vinylidene fluoride) Nanocomposites with Simultaneous Organic Nanodomains and Inorganic Nanoparticles. <i>Macromolecules</i> , 2016, 49, 1026-1035.	4.8	36
58	Durable Anti-Superbug Polymers: Covalent Bonding of Ionic Liquid onto the Polymer Chains. <i>Biomacromolecules</i> , 2017, 18, 4364-4372.	5.4	36
59	Interfacial Behavior and Stability Analysis of <i>p</i> -Type Crystalline Silicon Solar Cells Based on Hole-Selective MoO ₃ /Metal Contacts. <i>Solar Rrl</i> , 2019, 3, 1900274.	5.8	34
60	Polyethylenimine nanofibrous adsorbent for highly effective removal of anionic dyes from aqueous solution. <i>Science China Materials</i> , 2016, 59, 38-50.	6.3	33
61	Microfiltration membranes prepared from acryl amide grafted poly(vinylidene fluoride) powder and their pH sensitive behaviour. <i>Journal of Membrane Science</i> , 2010, 362, 298-305.	8.2	32
62	Synthesis of Few-Layer Reduced Graphene Oxide for Lithium-Ion Battery Electrode Materials. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13348-13355.	3.7	32
63	Immobilization of Ionic Liquids onto the Poly(vinylidene fluoride) by Electron Beam Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9351-9359.	3.7	32
64	Covalent immobilization of metal-organic frameworks onto the surface of nylon—a new approach to the functionalization and coloration of textiles. <i>Scientific Reports</i> , 2016, 6, 22796.	3.3	32
65	The extraction of uranium using graphene aerogel loading organic solution. <i>Talanta</i> , 2017, 166, 284-291.	5.5	32
66	Novel multifunctional nanofibers based on thermoplastic polyurethane and ionic liquid: towards antibacterial, anti-electrostatic and hydrophilic nonwovens by electrospinning. <i>Nanotechnology</i> , 2015, 26, 105704.	2.6	28
67	Constructing CNTs-based composite membranes for oil/water emulsion separation via radiation-induced “grafting to” strategy. <i>Carbon</i> , 2021, 178, 678-687.	10.3	28
68	Surface analysis of the proton exchange membranes prepared by pre-irradiation induced grafting of styrene/divinylbenzene into crosslinked thin PTFE membranes. <i>Applied Surface Science</i> , 2005, 245, 260-272.	6.1	26
69	Micro/nano hierarchical poly(acrylic acid)-grafted-poly(vinylidene fluoride) layer coated foam membrane for temperature-controlled separation of heavy oil/water. <i>Separation and Purification Technology</i> , 2015, 156, 207-214.	7.9	26
70	A promising clean way to textile colouration: cotton fabric covalently-bonded with carbon black, cobalt blue, cobalt green, and iron oxide red nanoparticles. <i>Green Chemistry</i> , 2019, 21, 6611-6621.	9.0	26
71	Preparation of the crosslinked polyethersulfone films by high-temperature electron-beam irradiation. <i>Polymer Degradation and Stability</i> , 2006, 91, 2867-2873.	5.8	25
72	Performance of membrane electrode assemblies based on proton exchange membranes prepared by pre-irradiation induced grafting. <i>Journal of Power Sources</i> , 2006, 161, 99-105.	7.8	25

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73	Functionalization of C60 with gold nanoparticles. <i>Carbon</i> , 2010, 48, 3570-3574.	10.3	25
74	Formation of the crystalline inclusion complex between β -cyclodextrin and poly(N-acetyleneimine). <i>Polymer</i> , 2002, 43, 2625-2629.	3.8	24
75	Ionic Liquid-Grafted Polyamide 6 by Radiation-Induced Grafting: New Strategy To Prepare Covalently Bonded Ion-Containing Polymers and their Application as Functional Fibers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5462-5475.	8.0	24
76	Proton exchange membranes prepared by grafting of styrene/divinylbenzene into crosslinked PTFE membranes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 236, 333-337.	1.4	23
77	Fabrication of PEFC membrane based on PTFE/FEP polymer-alloy using radiation-grafting. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 236, 437-442.	1.4	23
78	Ionic Liquids Incorporating Polyamide 6: Miscibility and Physical Properties. <i>Polymers</i> , 2018, 10, 562.	4.5	23
79	Tailored Graphene Oxide Membranes for the Separation of Ions and Molecules. <i>ACS Applied Nano Materials</i> , 2019, 2, 6611-6621.	5.0	23
80	Improving the properties of the proton exchange membranes by introducing β -methylstyrene in the pre-irradiation induced graft polymerization. <i>European Polymer Journal</i> , 2006, 42, 1222-1228.	5.4	22
81	Radiation induced graft polymerization of a fluorinated acrylate onto fabric. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1354-1356.	2.8	22
82	Electrospun nanofibrous polyethylenimine mat: a potential adsorbent for the removal of chromate and arsenate from drinking water. <i>RSC Advances</i> , 2016, 6, 30739-30746.	3.6	21
83	Synergistic nanofibrous adsorbent for uranium extraction from seawater. <i>RSC Advances</i> , 2016, 6, 81995-82005.	3.6	21
84	Preparation of freestanding graphene-based laminar membrane for clean-water intake via forward osmosis process. <i>RSC Advances</i> , 2017, 7, 1326-1335.	3.6	21
85	Ionic liquid grafted polyamide 6 as porous membrane materials: Enhanced water flux and heavy metal adsorption. <i>Applied Surface Science</i> , 2019, 481, 1435-1441.	6.1	21
86	Built-up superhydrophobic composite membrane with carbon nanotubes for water desalination. <i>RSC Advances</i> , 2014, 4, 16561.	3.6	20
87	"Lotus-effect" tape: imparting superhydrophobicity to solid materials with an electrospun Janus composite mat. <i>RSC Advances</i> , 2016, 6, 17215-17221.	3.6	19
88	Reusable fibrous adsorbent prepared via Co-radiation induced graft polymerization for iodine adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111021.	6.0	18
89	Preparation and characterization of the crystalline inclusion complexes of β - and γ -cyclodextrins with poly(butylene carbonate). <i>Colloid and Polymer Science</i> , 2003, 281, 267-274.	2.1	17
90	Amidoxime-based adsorbents prepared by cografting acrylic acid with acrylonitrile onto HDPE fiber for the recovery of uranium from seawater. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	3.4	17

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91	A mild method of amine-type adsorbents syntheses with emulsion graft polymerization of glycidyl methacrylate on polyethylene non-woven fabric by pre-irradiation. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1393-1397.	2.8	16
92	Electrospun nanofibers with both surface nanopores and internal interpenetrated nanochannels for oil absorption. <i>RSC Advances</i> , 2016, 6, 33781-33788.	3.6	16
93	Crosslinking imidazolium-intercalated GO membrane for acid recovery from low concentration solution. <i>Carbon</i> , 2021, 183, 830-839.	10.3	16
94	Pre-irradiation induced emulsion graft polymerization of acrylonitrile onto polyethylene nonwoven fabric. <i>Radiation Physics and Chemistry</i> , 2012, 81, 93-96.	2.8	15
95	Fabrication of PES-based membranes with a high and stable desalination performance for membrane distillation. <i>RSC Advances</i> , 2016, 6, 107840-107850.	3.6	15
96	Synthesis of per-fluorinated polymer-alloy based on PTFE by high temperature EB-irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 236, 172-178.	1.4	14
97	Development of sulfonated FEPâ€Nafion hybrid proton exchange membranes for PEFC. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 265, 213-216.	1.4	14
98	A Novel Avenue to Gold Nanostructured Microtubes Using Functionalized Fiber as the Ligand, the Reductant, and the Template. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8761-8765.	8.0	14
99	Pre-irradiation induced emulsion co-graft polymerization of acrylonitrile and acrylic acid onto a polyethylene nonwoven fabric. <i>Radiation Physics and Chemistry</i> , 2014, 94, 129-132.	2.8	14
100	The synergy reduction and self-assembly of graphene oxide via gamma-ray irradiation in an ethanediamine aqueous solution. <i>Nuclear Science and Techniques/Hewuli</i> , 2016, 27, 1.	3.4	14
101	Physical and Rheological Properties of Maleic Anhydride-Incorporated PVDF: Does MAH Act as a Physical Crosslinking Point for PVDF Molecular Chains?. <i>ACS Omega</i> , 2019, 4, 21540-21547.	3.5	14
102	Fabrication of a poly-electrolyte membrane based on cross-linked PTFE thin film by EB irradiation grafting. <i>Research on Chemical Intermediates</i> , 2005, 31, 585-593.	2.7	13
103	Crystal Forms and Microphase Structures of Poly(vinylidene fluoride-co-hexafluoropropylene) Physically and Chemically Incorporated with Ionic Liquids. <i>Macromolecules</i> , 2019, 52, 385-394.	4.8	13
104	Engineering stable laminated graphene oxide hybrid membranes via imidazolium cations complexation. <i>Journal of Membrane Science</i> , 2020, 613, 118519.	8.2	13
105	Preparation of ion exchange membranes by preirradiation induced grafting of styrene/divinylbenzene into crosslinked PTFE films and successive sulfonation. <i>Journal of Applied Polymer Science</i> , 2006, 101, 3587-3599.	2.6	12
106	Graft polymerization of acrylic acid and methacrylic acid onto poly(vinylidene fluoride) powder in presence of metallic salt and sulfuric acid. <i>Radiation Physics and Chemistry</i> , 2011, 80, 159-163.	2.8	12
107	Photo-enhanced oxidizability of tetrazolium salts and its impact on superoxide assaying. <i>Chemical Communications</i> , 2016, 52, 11595-11598.	4.1	12
108	Local Grafting of Ionic Liquid in Poly(vinylidene fluoride) Amorphous Region and the Subsequent Microphase Separation Behavior in Melt. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1559-1565.	3.9	12

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109	A facile method for preparing 3D graphene/Ag aerogel via gamma-ray irradiation. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 720-724.	2.1	12
110	Investigation on Molecular Structures of Electron-Beam-Irradiated Low-Density Polyethylene by Rheology Measurements. Industrial & Engineering Chemistry Research, 2018, 57, 4298-4310.	3.7	12
111	Tris-amidoximate uranyl complexes via I^{2+} binding mode coordinated in aqueous solution shown by X-ray absorption spectroscopy and density functional theory methods. Journal of Synchrotron Radiation, 2018, 25, 514-522.	2.4	12
112	Electron-beam radiation effects on the structure and properties of polypropylene at low dose rates. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	12
113	Study on PEFC Membrane Based on Crosslinked FEP Using EB-Grafting. Macromolecular Symposia, 2007, 249-250, 221-227.	0.7	11
114	High-selective removal of ultra-low level mercury ions from aqueous solution using oligothymonucleic acid functionalized polyethylene film. Science China Chemistry, 2012, 55, 2202-2208.	8.2	11
115	Graphene oxide: A potential bodyguard protecting proteins from photosensitive damage. Carbon, 2016, 109, 487-494.	10.3	11
116	Green and efficient synthesis of an adsorbent fiber by preirradiation-induced grafting of PDMAEMA and its Au(III) adsorption and reduction performance. Journal of Applied Polymer Science, 2017, 134, .	2.6	11
117	Interfacial Behavior and Stability Analysis of p-type Crystalline Silicon Solar Cells Based on Hole-Selective MoO ₃ /Metal Contacts. Solar Rrl, 2019, 3, 1970105.	5.8	11
118	Engineering robust RGO/PVA composite membrane for acid recovery via electron beam irradiation. Carbon, 2022, 191, 243-254.	10.3	11
119	Fabrication and application of high quality poly(dimethylsiloxane) stamps by gamma ray irradiation. Journal of Materials Chemistry, 2011, 21, 4279.	6.7	10
120	A facile approach to fabricate few-layer chemically modified and reduced graphene oxide sheets: Combination of stitching, reduction and functionalization. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 30-37.	2.1	10
121	Ordered water monolayer at room temperature. Rendiconti Lincei, 2011, 22, 5-16.	2.2	9
122	Building up Graphene-Based Conductive Polymer Composite Thin Films Using Reduced Graphene Oxide Prepared by γ -Ray Irradiation. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	9
123	Semicyrstalline Polymer Binary-Phase Structure Templated Quasi-Block Graft Copolymers. Journal of Physical Chemistry B, 2017, 121, 7508-7518.	2.6	9
124	Fabrication of ultralight 3D graphene/Pt aerogel via in situ gamma-ray irradiation and its application for the catalytic degradation of methyl orange. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 425-434.	2.1	9
125	One-step synthesis of well-dispersed polypyrrole copolymers under gamma-ray irradiation. Polymer Chemistry, 2021, 12, 645-649.	3.9	9
126	Radiation-induced cross-linking: a novel avenue to permanent 3D modification of polymeric membranes. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	9

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127	Synthesis and characterization of PEFC membranes based on fluorinated-polymer-alloy using pre-soft-EB grafting method. Nuclear Instruments & Methods in Physics Research B, 2007, 265, 162-167.	1.4	8
128	Radiation Induced Surface Modification of Nanoparticles and Their Dispersion in the Polymer Matrix. Nanomaterials, 2020, 10, 2237.	4.1	8
129	Preparation of a Thermally Insulating Nanocomposite by Blending Ultra-High-Molecular-Weight Polyethylene with Gas-Phase Silica. Industrial & Engineering Chemistry Research, 2015, 54, 6093-6099.	3.7	7
130	Radiation Technology Application in High-Performance Fibers and Functional Textiles. , 2019, , 13-73.		7
131	Fabrication of stable MWCNT bucky paper for solar-driven interfacial evaporation by coupling $\hat{1}^3$ -ray irradiation with borate crosslinking. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	7
132	Preirradiation-induced emulsion graft polymerization of glycidyl methacrylate onto poly(vinylidene fluoride) / Overlock 10 Tj ETQq0 0 0 ggBT /	2.6	6
133	Radiation induced graft polymerization of multi-walled carbon nanotubes for superhydrophobic composite membrane preparation. Science China Chemistry, 2016, 59, 303-309.	8.2	6
134	Thermoplastic shape memory composites with enhanced recovery stress and recovery ratio based on double roles of PVAc-g-GO. Composites Communications, 2019, 13, 52-56.	6.3	6
135	Introducing reactive groups into polymer chains by radiation induced grafting technique. Plastics, Rubber and Composites, 2010, 39, 79-82.	2.0	5
136	The Fabrication of Multifunctional SLIPS Films by Electrospinning. ChemNanoMat, 2017, 3, 869-873.	2.8	5
137	The synthesis of 3D graphene/Au composites via $\hat{1}^3$ -ray irradiation and their use for catalytic reduction of 4-nitrophenol. Nanotechnology, 2020, 31, 235604.	2.6	5
138	Preparation and Characterization of the Crystalline Inclusion Complex between $\hat{1}^2$ -Cyclodextrin and Poly(neopentyl glycol). Macromolecular Chemistry and Physics, 2002, 203, 155-158.	2.2	4
139	Study on chemical structures of poly (tetrafluoroethylene-co-perfluoroalkylvinylether) by soft-EB irradiation in solid and molten state. Nuclear Instruments & Methods in Physics Research B, 2007, 265, 118-124.	1.4	4
140	Functionalization of multi-walled carbon nanotubes and its application in preparing the 3D graphene/carbon nanotubes hybrid architectures. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 226-231.	2.1	4
141	Pseudo-zwitterions self-assembled from polycation and anion clusters showing exceptional water-cleanable anti-crude-oil-adhesion property. IScience, 2021, 24, 102964.	4.1	4
142	Radiation graft of acrylamide onto polyethylene separators for lithium-ion batteries. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	3
143	Fabrication of polyacrylamide-carbon nanotubes by One-Step Radiation-Induced Graft Polymerization. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 12-15.	2.1	3
144	Multiple-Step Melting/Irradiation: A Strategy to Fabricate Thermoplastic Polymers with Improved Mechanical Performance. Polymers, 2019, 11, 1812.	4.5	3

#	ARTICLE	IF	CITATIONS
145	Stability study of Disperse Blue 79 under ionizing radiation. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	3
146	CONFIGURATIONAL-CONFORMATIONAL STATISTICS OF POLY(ETHYLENE-PROPYLENE)S. Journal of Macromolecular Science - Physics, 2001, 40, 231-237.	1.0	2
147	Preparation of flexible graphene@SnO2 composite fiber via in situ chemical reduction and self-assembly method. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 531-534.	2.1	1
148	Primary Photochemical Properties of Difloxacin in Neutral Aqueous Solution. Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica, 2014, 30, 2134-2141.	4.9	1
149	Application of the radiation induced grafting technology in preparing the proton exchange membranes for fuel cells. , 2008, , .		0
150	Cell Performance of the Membrane Electrode Assembly Based on Sulfonated-FEP/Nafion Blended Polymer. Journal of Ion Exchange, 2007, 18, 574-579.	0.3	0
151	A promising scalable route to construct GO-based laminate membranes for antifouling ultrafiltration. Materials Advances, 0, , .	5.4	0