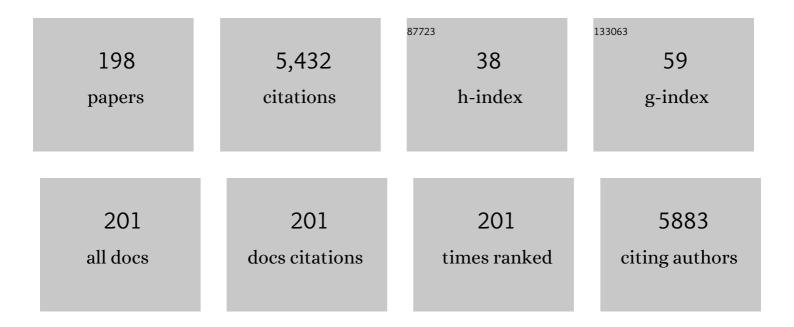
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Transition of Ionic Liquid [bmim][PF6] from Liquid to High-Melting-Point Crystal When Confined in Multiwalled Carbon Nanotubes. Journal of the American Chemical Society, 2007, 129, 2416-2417.	6.6	229
2	Preparation of high antimicrobial activity thiourea chitosan–Ag+ complex. Carbohydrate Polymers, 2005, 60, 33-38.	5.1	197
3	Preparation of high-stable silver nanoparticle dispersion by using sodium alginate as a stabilizer under gamma radiation. Radiation Physics and Chemistry, 2009, 78, 251-255.	1.4	174
4	Coexistence of Liquid and Solid Phases of Bmim-PF6Ionic Liquid on Mica Surfaces at Room Temperature. Journal of the American Chemical Society, 2006, 128, 7456-7457.	6.6	152
5	Preparation of Poly(acrylic acid) Grafted Multiwalled Carbon Nanotubes by a Two-Step Irradiation Technique. Macromolecules, 2006, 39, 330-334.	2.2	145
6	Preparation of oligochitosan stabilized silver nanoparticles by gamma irradiation. Radiation Physics and Chemistry, 2007, 76, 1126-1131.	1.4	108
7	A new approach to the functionalization of single-walled carbon nanotubes with both alkyl and carboxyl groups. Chemical Physics Letters, 2005, 402, 312-317.	1.2	104
8	Drastic Phase Transition in Ionic Liquid [Dmim][Cl] Confined Between Graphite Walls: New Phase Formation. Journal of Physical Chemistry C, 2009, 113, 4618-4622.	1.5	99
9	Electron Beam Irradiation as a General Approach for the Rapid Synthesis of Covalent Organic Frameworks under Ambient Conditions. Journal of the American Chemical Society, 2020, 142, 9169-9174.	6.6	90
10	Double-Layer Formation of [Bmim][PF ₆] Ionic Liquid Triggered by Surface Negative Charge. Langmuir, 2010, 26, 12667-12672.	1.6	87
11	Preparation of Amidoximated Ultrahigh Molecular Weight Polyethylene Fiber by Radiation Grafting and Uranium Adsorption Test. Industrial & Engineering Chemistry Research, 2016, 55, 4118-4124.	1.8	77
12	A re-evaluation of the initial yield of the hydrated electron in the picosecond time range. Radiation Physics and Chemistry, 2005, 72, 169-172.	1.4	74
13	Radiation synthesis of a new amidoximated UHMWPE fibrous adsorbent with high adsorption selectivity for uranium over vanadium in simulated seawater. Radiation Physics and Chemistry, 2016, 122, 1-8.	1.4	73
14	Liquid-to-Solid Phase Transition of a 1,3-Dimethylimidazolium Chloride Ionic Liquid Monolayer Confined between Graphite Walls. Journal of Physical Chemistry C, 2008, 112, 18584-18587.	1.5	72
15	\hat{I}^3 -Radiation effect on ionic liquid [bmim][BF4]. Radiation Physics and Chemistry, 2008, 77, 877-883.	1.4	67
16	Laparoscopic Exploration of Common Bile Duct with Primary Closure Versus T-Tube Drainage: A Randomized Clinical Trial. Journal of Surgical Research, 2009, 157, e1-e5.	0.8	66
17	Functionalization of cotton fabrics with highly durable polysiloxane–TiO ₂ hybrid layers: potential applications for photo-induced water–oil separation, UV shielding, and self-cleaning. Journal of Materials Chemistry A, 2018, 6, 6085-6095.	5.2	65
18	Primary closure after laparoscopic common bile duct exploration versus T-tube. Journal of Surgical Research, 2014, 189, 249-254.	0.8	62

#	Article	IF	CITATIONS
19	Preparation of Amidoxime-Based Nylon-66 Fibers for Removing Uranium from Low-Concentration Aqueous Solutions and Simulated Nuclear Industry Effluents. Industrial & Engineering Chemistry Research, 2016, 55, 10523-10532.	1.8	61
20	Stabilized and size-tunable gold nanoparticles formed in a quaternary ammonium-based room-temperature ionic liquid under Î ³ -irradiation. Nanotechnology, 2005, 16, 2360-2364.	1.3	58
21	Properties and evaluation of amidoxime-based UHMWPE fibrous adsorbent for extraction of uranium from seawater. Science China Chemistry, 2013, 56, 1504-1509.	4.2	56
22	Preparation and characterization of superhydrophobic organic-inorganic hybrid cotton fabrics via γ-radiation-induced graft polymerization. Carbohydrate Polymers, 2016, 149, 308-316.	5.1	52
23	Fabrication of highly durable polysiloxane-zinc oxide (ZnO) coated polyethylene terephthalate (PET) fabric with improved ultraviolet resistance, hydrophobicity, and thermal resistance. Journal of Colloid and Interface Science, 2019, 537, 91-100.	5.0	52
24	Flexible and Thermally Induced Switchable Fire Alarm Fabric Based On Layer-by-Layer Self-Assembled Silver Sheet/Fe ₃ O ₄ Nanowire Composite. ACS Applied Materials & Interfaces, 2019, 11, 47456-47467.	4.0	51
25	Gamma Radiolysis of Ionic Liquid 1-Butyl-3-methylimidazolium Hexafluorophosphate. Radiation Research, 2007, 167, 508-514.	0.7	48
26	Comparison of Liquid-Phase and Gas-Phase Pure Thermal Cracking ofn-Hexadecane. Industrial & Engineering Chemistry Research, 1996, 35, 4747-4754.	1.8	47
27	Preparation of microcellular cross-linked polyethylene foams by a radiation and supercritical carbon dioxide approach. Journal of Supercritical Fluids, 2008, 47, 281-289.	1.6	47
28	Molecular Insights into the Electric Double Layers of Ionic Liquids on Au(100) Electrodes. ACS Applied Materials & Interfaces, 2014, 6, 12556-12565.	4.0	47
29	Electrochemical Behavior of Europium(III)-Europium(II) in LiF-NaF-KF Molten Salt. Electrochimica Acta, 2014, 147, 114-120.	2.6	47
30	Preparation of microporous poly(vinylidene fluoride) membranes via phase inversion in supercritical CO2. Journal of Membrane Science, 2007, 293, 100-110.	4.1	45
31	Radiation-induced oxidation of ultra-high molecular weight polyethylene (UHMWPE) powder by gamma rays and electron beams: A clear dependence of dose rate. Radiation Physics and Chemistry, 2015, 115, 88-96.	1.4	44
32	Extended X-ray Absorption Fine Structure and Density Functional Theory Studies on the Complexation Mechanism of Amidoximate Ligand to Uranyl Carbonate. Industrial & Engineering Chemistry Research, 2016, 55, 4224-4230.	1.8	43
33	Uranium Adsorption Tests of Amidoxime-Based Ultrahigh Molecular Weight Polyethylene Fibers in Simulated Seawater and Natural Coastal Marine Seawater from Different Locations. Industrial & Engineering Chemistry Research, 2017, 56, 1103-1111.	1.8	43
34	Unravelling the Role of the Compressed Gas on Melting Point of Liquid Confined in Nanospace. Journal of Physical Chemistry Letters, 2012, 3, 1052-1055.	2.1	42
35	Effect of oxygen on the corrosion of SiC in LiF–NaF–KF molten salt. Corrosion Science, 2016, 103, 165-172.	3.0	42
36	Dilute or Concentrated Electrolyte Solutions? Insight from Ionic Liquid/Water Electrolytes. Journal of Physical Chemistry Letters, 2015, 6, 3713-3720.	2.1	41

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37	Significant Improvement in Thermal and UV Resistances of UHMWPE Fabric through in Situ Formation of Polysiloxane–TiO ₂ Hybrid Layers. ACS Applied Materials & Interfaces, 2016, 8, 23311-23320.	4.0	41
38	ESR study of free radicals in UHMW-PE fiber irradiated by gamma rays. Radiation Physics and Chemistry, 2010, 79, 429-433.	1.4	39
39	Preparation, characterization and antibacterial activity of chitosan–Ca3V10O28 complex membrane. Carbohydrate Polymers, 2006, 64, 92-97.	5.1	38
40	Melting Transition of Ionic Liquid [bmim][PF ₆] Crystal Confined in Nanopores: A Molecular Dynamics Simulation. Journal of Physical Chemistry C, 2011, 115, 18946-18951.	1.5	37
41	Immobilization and melting point depression of imidazolium ionic liquids on the surface of nano-SiOx particles. Dalton Transactions, 2010, 39, 3190.	1.6	36
42	Preparation of microcellular polystyrene/polyethylene alloy foams by supercritical CO2 foaming and analysis by X-ray microtomography. Journal of Supercritical Fluids, 2013, 82, 50-55.	1.6	36
43	Treatment of gallbladder stone with common bile duct stones in the laparoscopic era. BMC Surgery, 2015, 15, 7.	0.6	36
44	In-situ mineralized robust polysiloxane–Ag@ZnO on cotton for enhanced photocatalytic and antibacterial activities. Carbohydrate Polymers, 2019, 217, 15-25.	5.1	35
45	Preparation of open cellular PMMA microspheres by supercritical carbon dioxide foaming. Journal of Supercritical Fluids, 2007, 40, 323-329.	1.6	34
46	Effects of Ionic Liquid [Me3NC2H4OH]+[ZnCl3]? on?-Radiation Polymerization of Methyl Methacrylate in Ethanol andN,N-Dimethylformamide. Macromolecular Rapid Communications, 2005, 26, 57-61.	2.0	33
47	Radiation-induced crosslinking of polyacrylonitrile fibers and the subsequent regulative effect on the preoxidation process. Radiation Physics and Chemistry, 2012, 81, 622-627.	1.4	33
48	Structural Analysis of [ChCl] _{<i>m</i>} [ZnCl ₂] _{<i>n</i>} lonic Liquid by X-ray Absorption Fine Structure Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 2066-2070.	1.2	32
49	The free radical species in polyacrylonitrile fibers induced by Î ³ -radiation and their decay behaviors. Radiation Physics and Chemistry, 2012, 81, 835-839.	1.4	32
50	An in situ XAFS study—the formation mechanism of gold nanoparticles from X-ray-irradiated ionic liquid. Physical Chemistry Chemical Physics, 2013, 15, 11904.	1.3	32
51	Grafting of Poly(tBA) and PtBA-b-PMMA onto the Surface of SWNTs Using Carbanions as the Initiator. Macromolecular Rapid Communications, 2006, 27, 882-887.	2.0	31
52	In vitro hemocompatibility of sulfonated polypropylene non-woven fabric prepared via a facile Î ³ -ray pre-irradiation grafting method. Applied Surface Science, 2015, 356, 1221-1228.	3.1	31
53	Low-Molecular-Weight Chitosan Supplementation Increases the Population of Prevotella in the Cecal Contents of Weanling Pigs. Frontiers in Microbiology, 2017, 8, 2182.	1.5	31
54	An efficient and reusable quaternary ammonium fabric adsorbent prepared by radiation grafting for removal of Cr(VI) from wastewater. Environmental Science and Pollution Research, 2018, 25, 11045-11053.	2.7	31

#	Article	IF	CITATIONS
55	Amelioration of Enterotoxigenic Escherichia coli-Induced Intestinal Barrier Disruption by Low-Molecular-Weight Chitosan in Weaned Pigs is Related to Suppressed Intestinal Inflammation and Apoptosis. International Journal of Molecular Sciences, 2019, 20, 3485.	1.8	31
56	Trace Zinc-Preload for Enhancement of Uranium Adsorption Performance and Antifouling Property of AO-Functionalized UHMWPE Fiber. Industrial & Engineering Chemistry Research, 2019, 58, 8026-8034.	1.8	31
57	High thermal insulation and compressive strength polypropylene microcellular foams with honeycomb structure. Polymer Degradation and Stability, 2021, 183, 109406.	2.7	31
58	Noncovalently Modified Carbon Nanotubes with Carboxymethylated Chitosan: A Controllable Donor-Acceptor Nanohybrid. International Journal of Molecular Sciences, 2008, 9, 120-130.	1.8	30
59	Reversible tuning of the hydrophobic–hydrophilic transition of hydrophobic ionic liquids by means of an electric field. Soft Matter, 2011, 7, 4228.	1.2	30
60	Crystal structure and mechanical properties of UHMWPE-g-PMA fiber prepared by radiation grafting. Radiation Physics and Chemistry, 2013, 86, 84-89.	1.4	30
61	Radiation effects on the foaming of atactic polypropylene with supercritical carbon dioxide. Radiation Physics and Chemistry, 2017, 131, 35-40.	1.4	30
62	Pyrene-Based Nonwoven Fabric with Tunable Fluorescence Properties by Employing the Aggregation-Caused Quenching Effect. ACS Applied Materials & Interfaces, 2021, 13, 9036-9042.	4.0	30
63	Mass Distribution and Diffusion of [1â€Butylâ€3â€methylimidazolium][Y] Ionic Liquids Adsorbed on the Graphite Surface at 300–800 K. ChemPhysChem, 2010, 11, 2438-2443.	1.0	29
64	Improving the creep resistance and tensile property of UHMWPE sheet by radiation cross-linking and annealing. Radiation Physics and Chemistry, 2016, 125, 41-49.	1.4	29
65	Efficient removal of uranium from diluted aqueous solution with hydroxypyridone functionalized polyethylene nonwoven fabrics. Radiation Physics and Chemistry, 2020, 171, 108742.	1.4	29
66	In-situ formation of durable akaganeite (β-FeOOH) nanorods on sulfonate-modified poly(ethylene) Tj ETQq0 0 2020, 386, 121647.	0 rgBT /Ove 6.5	erlock 10 Tf 50 28
67	Water-absorptivity and mechanical behaviors of PTFE/PA6 and PTFE/PA66 blends. Transactions of Nonferrous Metals Society of China, 2006, 16, s498-s503.	1.7	27
68	Preparation of radiation crosslinked foams from lowâ€density polyethylene/ethyleneâ€vinyl acetate (LDPE/EVA) copolymer blend with a supercritical carbon dioxide approach. Journal of Applied Polymer Science, 2013, 127, 912-918.	1.3	27
69	Compression of ionic liquid when confined in porous silica nanoparticles. RSC Advances, 2013, 3, 9618.	1.7	27
70	Optimization of molar content of amidoxime and acrylic acid in UHMWPE fibers for improvement of seawater uranium adsorption capacity. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1771-1779.	0.7	27
71	Merits of the Addition of PTFE Micropowder in Supercritical Carbon Dioxide Foaming of Polypropylene: Ultrahigh Cell Density, High Tensile Strength, and Good Sound Insulation. Industrial & Engineering Chemistry Research, 2018, 57, 1498-1505.	1.8	27
72	Supercritical CO2 Foaming of Radiation Cross-Linked Isotactic Polypropylene in the Presence of TAIC. Molecules, 2016, 21, 1660.	1.7	26

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73	Radiation-induced graft polymerization for the preparation of a highly efficient UHMWPE fibrous adsorbent for Cr(VI) removal. Radiation Physics and Chemistry, 2017, 130, 92-102.	1.4	26
74	Preparation of amidoxime-based PE/PP fibers for extraction of uranium from aqueous solution. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	1.3	26
75	Tribological properties of radiation cross-linked polytetrafluoroethylene sheets. Wear, 2010, 269, 485-490.	1.5	25
76	Radiation effects of UHMW-PE fibre on gel fraction and mechanical properties. Radiation Physics and Chemistry, 2011, 80, 274-277.	1.4	25
77	Origin of heterogeneous dynamics in local molecular structures of ionic liquids. Soft Matter, 2016, 12, 8942-8949.	1.2	25
78	DFT investigations of uranium complexation with amidoxime-, carboxyl- and mixed amidoxime/carboxyl-based host architectures for sequestering uranium from seawater. Inorganica Chimica Acta, 2016, 441, 117-125.	1.2	24
79	Supercritical CO2 foaming of radiation crosslinked polypropylene/high-density polyethylene blend: Cell structure and tensile property. Radiation Physics and Chemistry, 2017, 141, 276-283.	1.4	24
80	A strategy for the preparation of closed ell and crosslinked polypropylene foam by supercritical <scp>CO</scp> ₂ foaming. Journal of Applied Polymer Science, 2018, 135, 45809.	1.3	24
81	Significantly reduced pre-oxidation period of PAN fibers by continuous electron beam irradiation: Optimization by monitoring radical variation. Polymer Degradation and Stability, 2018, 158, 72-82.	2.7	24
82	Polymorphous crystals from chlorozincate-choline chloride ionic liquids in different molar ratios. Journal of Crystal Growth, 2005, 281, 616-622.	0.7	23
83	The controlled synthesis of stable gold nanoparticles in quaternary ammonium ionic liquids by simple heating. Nanotechnology, 2011, 22, 025602.	1.3	23
84	Sequestering uranium from UO ₂ (CO ₃) ₃ ^{4â^'} in seawater with amine ligands: density functional theory calculations. Physical Chemistry Chemical Physics, 2015, 17, 14662-14673.	1.3	23
85	Synergistic effects of different co-monomers on the uranium adsorption performance of amidoximated polyethylene nonwoven fabric in natural seawater. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 111-117.	0.7	23
86	Stretchable conductive Ni@Fe3O4@Polyester fabric strain sensor with negative resistance variation and electromagnetic interference shielding. Organic Electronics, 2020, 81, 105677.	1.4	23
87	60Co Î ³ -Initiated polymerization of vinyl monomers in room temperature ionic liquid/THF mixed solutions. Polymer, 2005, 46, 8403-8409.	1.8	22
88	Radiation oxidation and subsequent thermal curing of polyacrylonitrile fiber. Radiation Physics and Chemistry, 2014, 94, 9-13.	1.4	22
89	Temperature-Induced Molecular Rearrangement of an Ionic Liquid Confined in Nanospaces: An <i>in Situ</i> X-ray Absorption Fine Structure Study. Journal of Physical Chemistry C, 2015, 119, 22724-22731.	1.5	22
90	Electron Beam Irradiationâ€Induced Formation of Defectâ€Rich Zeolites under Ambient Condition within Minutes. Angewandte Chemie - International Edition, 2021, 60, 14858-14863.	7.2	22

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91	Photolytic and radiolytic studies of SO4•- in neat organic solvents. Physical Chemistry Chemical Physics, 2000, 2, 5602-5605.	1.3	21
92	Temperature Dependence of (SCN)2•- in Water at 25â^'400 ºC:  Absorption Spectrum, Equilibrium Constant, and Decay. Journal of Physical Chemistry A, 2001, 105, 4933-4939.	1.1	21
93	Temperature dependence of ketyl radical in aqueous benzophenone solutions up to 400 °C: A pulse radiolysis study. Physical Chemistry Chemical Physics, 2002, 4, 3980-3988.	1.3	21
94	Electron-beam-induced post-grafting polymerization of acrylic acid onto the surface of Kevlar fibers. Radiation Physics and Chemistry, 2018, 145, 74-79.	1.4	21
95	Better scCO ₂ Foaming of Polypropylene via Earlier Crystallization with the Addition of Composite Nucleating Agent. Industrial & Engineering Chemistry Research, 2018, 57, 15916-15923.	1.8	21
96	Flexible and Highly Sensitive Humidity Sensor Based on Sandwich-Like Ag/Fe3O4 Nanowires Composite for Multiple Dynamic Monitoring. Nanomaterials, 2019, 9, 1399.	1.9	21
97	Temperature dependence of radiation effects in polyethylene: Cross-linking and gas evolution. Journal of Polymer Science Part A, 1999, 37, 1541-1548.	2.5	20
98	Functionalized polyethylene fibers for the selective capture of palladium ions from aqueous solution. Applied Surface Science, 2018, 433, 116-124.	3.1	20
99	A new promising nucleating agent for polymer foaming: effects of hollow molecular-sieve particles on polypropylene supercritical CO2 microcellular foaming. RSC Advances, 2018, 8, 20061-20067.	1.7	20
100	Complexation of vanadium with amidoxime and carboxyl groups: uncovering the competitive role of vanadium in uranium extraction from seawater. Radiochimica Acta, 2017, 105, 541-553.	0.5	19
101	Fe ₃ O ₄ Nanowire Arrays on Flexible Polypropylene Substrates for UV and Magnetic Sensing. ACS Applied Nano Materials, 2018, 1, 5742-5752.	2.4	19
102	Increased of serum high-mobility group box chromosomal protein 1 correlated with intestinal mucosal barrier injury in patients with severe acute pancreatitis. World Journal of Emergency Surgery, 2014, 9, 61.	2.1	18
103	The photochemistry of carbon nanotubes and its impact on the photo-degradation of dye pollutants in aqueous solutions. Journal of Colloid and Interface Science, 2015, 439, 98-104.	5.0	18
104	Study on polytetrafluoroethylene aqueous dispersion irradiated by gamma ray. Journal of Fluorine Chemistry, 2006, 127, 91-96.	0.9	17
105	Radiation resistance evaluation of cross-linked polytetrafluoroethylene by the investigation of friction and wear behavior. Radiation Physics and Chemistry, 2011, 80, 496-500.	1.4	17
106	The Influence of Silica Nanoparticles on Ionic Liquid Behavior: A Clear Difference between Adsorption and Confinement. International Journal of Molecular Sciences, 2013, 14, 21045-21052.	1.8	17
107	Amidoxime-based adsorbents prepared by cografting acrylic acid with acrylonitrile onto HDPE fiber for the recovery of uranium from seawater. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	1.3	17
108	Preparation of antimicrobial MnO4â^'-doped nylon-66 fibers with excellent laundering durability. Applied Surface Science, 2017, 422, 1067-1074.	3.1	17

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109	Boosting peroxymonosulfate activation <i>via</i> highly active and durable cobalt catalysts. Journal of Materials Chemistry A, 2021, 9, 2308-2318.	5.2	17
110	Radiation induced polymerization of MMA in imidazolium ionic liquids and their mixed solutions with organic solvents. Radiation Physics and Chemistry, 2008, 77, 1248-1252.	1.4	16
111	High-Strength Triple Shape Memory Elastomers from Radiation-Vulcanized Polyolefin Elastomer/Polypropylene Blends. ACS Applied Polymer Materials, 2019, 1, 1735-1748.	2.0	16
112	Laser Photolysis of Carboxymethylated Chitin Derivatives in Aqueous Solution. Part 1. Formation of Hydrated Electron and a Long-Lived Radical. Biomacromolecules, 2004, 5, 453-457.	2.6	15
113	Functionalized and reusable polyethylene fibres for Au(<scp>iii</scp>) extraction from aqueous solution with high adsorption capacity and selectivity. RSC Advances, 2016, 6, 87221-87229.	1.7	15
114	Highly hydrophilic ultra-high molecular weight polyethylene powder and film prepared by radiation grafting of acrylic acid. Applied Surface Science, 2016, 382, 162-169.	3.1	15
115	Phosphate-Based Ultrahigh Molecular Weight Polyethylene Fibers for Efficient Removal of Uranium from Carbonate Solution Containing Fluoride Ions. Molecules, 2018, 23, 1245.	1.7	15
116	Electron beam-induced preparation of AIE non-woven fabric with excellent fluorescence durability. Applied Surface Science, 2021, 541, 148382.	3.1	15
117	Effects of Ionic Liquid [bmim][PF6] on Absorption Spectra and Reaction Kinetics of the Duroquinone Triplet State in Acetonitrile. Journal of Physical Chemistry A, 2008, 112, 3079-3085.	1.1	14
118	Radiation Effect on the Thermal Cracking ofn-Hexadecane. 2. A Kinetic Approach to Chain Reaction. Industrial & Engineering Chemistry Research, 1997, 36, 3498-3504.	1.8	13
119	Reactions of reducing and oxidizing radicals with caffeic acid:. Radiation Physics and Chemistry, 2001, 60, 345-350.	1.4	13
120	Optimum complexation of uranyl with amidoxime in aqueous solution under different pH levels: density functional theory calculations. Molecular Physics, 2015, 113, 1327-1336.	0.8	13
121	Radiation-Induced <i>In Situ</i> -Printed Nonconjugated Fluorescent Nonwoven Fabric with Superior Fluorescent Properties. ACS Applied Materials & amp; Interfaces, 2020, 12, 49258-49264.	4.0	13
122	Radiation Effect on the Thermal Cracking ofn-Hexadecane. 1. Products from Radiation-Thermal Cracking. Industrial & Engineering Chemistry Research, 1997, 36, 1973-1978.	1.8	12
123	An easy approach to hydroxyethylated SWNTs and the high thermal stability of the inner grafted hydroxyethyl groups. Nanotechnology, 2006, 17, 2368-2372.	1.3	12
124	Water dispersible polytetrafluoroethylene microparticles prepared by grafting of poly(acrylic acid). Radiation Physics and Chemistry, 2014, 103, 103-107.	1.4	12
125	Tris-amidoximate uranyl complexes <i>via</i> η 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.	1.0	12
126	Improving the Supercritical CO2 Foaming of Polypropylene by the Addition of Fluoroelastomer as a Nucleation Agent. Polymers, 2019, 11, 226.	2.0	12

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127	A facile strategy for fabrication of HKUST-1 on a flexible polyethylene nonwoven fabric with a high MOF loading. Microporous and Mesoporous Materials, 2020, 292, 109723.	2.2	12
128	Hundreds- and tens-femtosecond time-resolved pump-and-probe analysis system. Radiation Physics and Chemistry, 2001, 60, 303-306.	1.4	11
129	Laser Photolysis of Carboxymethylated Chitin Derivatives in Aqueous Solution. Part 2. Reaction of OH•and SO4•-Radicals with Carboxymethylated Chitin Derivatives. Biomacromolecules, 2004, 5, 458-462.	2.6	11
130	Laser photolysis study of anthraquinone in binary mixtures ofionic liquid [bmim][PF6] and organic solvent. International Journal of Molecular Sciences, 2006, 7, 590-600.	1.8	11
131	Pt ₂ Cl ₈ ^{2–} Dimer Formation of [Bmim] ₂ PtCl ₄ Ionic Liquid When Confined in Silica Nanopores. Journal of Physical Chemistry C, 2014, 118, 3140-3144.	1.5	11
132	High-performance functionalized polyethylene fiber for the capture of trace uranium in water. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2393-2403.	0.7	11
133	Fabrication and Potential Applications of Highly Durable Superhydrophobic Polyethylene Terephthalate Fabrics Produced by In-Situ Zinc Oxide (ZnO) Nanowires Deposition and Polydimethylsiloxane (PDMS) Packaging. Polymers, 2020, 12, 2333.	2.0	11
134	Radiation assisted pre-oxidation of polyacrylonitrile fiber: Graphite formation and lower crystal size revealed by 2D WAXD at a synchrotron facility. Polymer Degradation and Stability, 2020, 179, 109264.	2.7	11
135	Boosting Photo-Fenton reactions by amidoxime chelated ferrous iron (Fe(III)) catalyst for highly efficient pollutant control. Applied Catalysis B: Environmental, 2021, 298, 120574.	10.8	11
136	An Amidoximated-UHMEPE Fiber for Selective and High Efficient Removal of Uranyl and Thorium from Acid Aqueous Solution. Advances in Chemical Engineering and Science, 2017, 07, 45-59.	0.2	11
137	Development of highly durable superhydrophobic and UV-resistant wood by E-beam radiation curing. Cellulose, 2021, 28, 11579-11593.	2.4	11
138	Supercritical CO2 assisted construction of carbon black/polypropylene composite foams with bioinspired open-cell micro-nano hierarchical structure and outstanding performance for oil/water separation. Journal of Supercritical Fluids, 2022, 181, 105466.	1.6	11
139	Observation of hydrated electron, (SCN)2 and CO3 radical in high temperature and supercritical water. Research on Chemical Intermediates, 2001, 27, 755-763.	1.3	10
140	Photoinduced Charge Separation in Riboflavin/Carbon Nanotubes Superstructures. Journal of Physical Chemistry C, 2008, 112, 13000-13003.	1.5	10
141	Fluoride ion yield and absorption spectral analysis of irradiated imidazolium-based room-temperature ionic liquids. Radiation Physics and Chemistry, 2011, 80, 573-577.	1.4	10
142	Crystal size shrinking in radiation-induced crosslinking of polytetrafluoroethylene: Synchrotron small angle X-ray scattering and scanning electron microscopy analysis. European Polymer Journal, 2014, 59, 156-160.	2.6	10
143	Folate-polyethylene glycol conjugated carboxymethyl chitosan for tumor-targeted delivery of 5-fluorouracil. Molecular Medicine Reports, 2014, 9, 786-792.	1.1	10
144	Probing the spontaneous reduction mechanism of platinum ions confined in the nanospace by X-ray absorption fine structure spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 19259-19266.	1.3	10

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#	Article	IF	CITATIONS
145	In vitro anticoagulant activity of polyanionic graft chains modified poly(vinyl alcohol) particles. Radiation Physics and Chemistry, 2017, 134, 27-32.	1.4	10
146	On the mechanism of radiation-induced polymerization of vinyl monomers in ionic liquid. Radiation Physics and Chemistry, 2005, 73, 159-162.	1.4	9
147	Highly Durable and Robust Superhydrophobic/Superoleophilic Cotton Fabric with Well-designed Roughness for Oil/Water Separation. Fibers and Polymers, 2018, 19, 1522-1531.	1.1	9
148	Higher dose rate effect of 500-keV EB irradiation favoring free radical annealing and pre-oxidation of polyacrylonitrile fibers. Polymer Degradation and Stability, 2019, 167, 201-209.	2.7	9
149	Temperature-dependent structural changes of [Bmim]FeCl4 magnetic ionic liquid characterized by an in-situ X-ray absorption fine structure. Chinese Chemical Letters, 2020, 31, 801-804.	4.8	9
150	Fabrication of new conductive surface-metallized UHMWPE fabric with improved thermal resistance. RSC Advances, 2020, 10, 15139-15147.	1.7	9
151	Electrochemical Behavior of Graphite Anode in LiF-NaF-KF Eutectic with YF 3. Electrochimica Acta, 2017, 225, 392-398.	2.6	8
152	More wearâ€resistant and ductile UHMWPE composite prepared by the addition of radiation crosslinked UHMWPE powder. Journal of Applied Polymer Science, 2017, 134, .	1.3	8
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154	Radiation Degradation or Modification of Poly(tetrafluoroethylene) and Natural Polymers. , 2019, , 141-182.		8
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