

Mohamed Mahmoud Nasef

List of Publications by Year in descending order

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145
papers

3,933
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134610

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docs citations

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times ranked

3976
citing authors

#	ARTICLE	IF	CITATIONS
1	A Critical Review on Natural Fibers Modifications by Graft Copolymerization for Wastewater Treatment. <i>Journal of Polymers and the Environment</i> , 2022, 30, 1199-1227.	2.4	4
2	Fouling Prevention in Polymeric Membranes by Radiation Induced Graft Copolymerization. <i>Polymers</i> , 2022, 14, 197.	2.0	10
3	Degradable Slow-Release Fertilizer Composite Prepared by Ex Situ Mixing of Inverse Vulcanized Copolymer with Urea. <i>Agronomy</i> , 2022, 12, 65.	1.3	6
4	Effect of amine head group imparted to poly (glycidyl methacrylate) grafted fibrous adsorbent for CO ₂ adsorption. <i>Journal of Physics: Conference Series</i> , 2022, 2259, 012022.	0.3	1
5	Towards the development of new generation of ion exchange membranes for reverse electrodialysis: A review. <i>Desalination</i> , 2022, 537, 115854.	4.0	36
6	Boron removal by glucamine-functionalized inverse vulcanized sulfur polymer. <i>Reactive and Functional Polymers</i> , 2022, 177, 105311.	2.0	13
7	Sulfur enriched slow-release coated urea produced from inverse vulcanized copolymer. <i>Science of the Total Environment</i> , 2022, 846, 157417.	3.9	16
8	Preparation and characterization of green polymer by copolymerization of corn oil and sulphur at molten state. <i>Polymers and Polymer Composites</i> , 2021, 29, 1179-1190.	1.0	12
9	Evaluation of properties of sulfur-based polymers obtained by inverse vulcanization: Techniques and challenges. <i>Polymers and Polymer Composites</i> , 2021, 29, 1333-1352.	1.0	26
10	Preparation and characterization of sulfur-vinylbenzyl chloride polymer under optimized reaction conditions using inverse vulcanization. <i>European Polymer Journal</i> , 2021, 143, 110202.	2.6	15
11	Conversion of palm oil to new sulfur-based polymer by inverse vulcanization. <i>E3S Web of Conferences</i> , 2021, 287, 02014.	0.2	5
12	Synthesis and Characterization of Sustainable Inverse Vulcanized Copolymers from Non-Edible Oil. <i>ChemistrySelect</i> , 2021, 6, 1180-1190.	0.7	14
13	Highly conductive anion exchange membranes based on polymer networks containing imidazolium functionalised side chains. <i>Scientific Reports</i> , 2021, 11, 3764.	1.6	22
14	Selective removal of boron from industrial wastewater containing high concentration of ammonia by radiation grafted fibrous adsorbent in fixed bed column. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104993.	3.3	17
15	Optimization of synthesis of inverse vulcanized copolymers from rubber seed oil using response surface methodology. <i>Polymer</i> , 2021, 219, 123553.	1.8	18
16	Tetraethylenepentamine-containing adsorbent with optimized amination efficiency based on grafted polyolefin microfibrinous substrate for CO ₂ adsorption. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103067.	2.3	6
17	Highly boron-selective adsorbent by radiation induced grafting of N-vinylformamide on polyethylene/polypropylene sheet followed by hydrolysis and glycidol treatment. <i>Radiation Physics and Chemistry</i> , 2021, 182, 109362.	1.4	8
18	Microstructural behavior of magnetorheological elastomer undergoing durability evaluation by stress relaxation. <i>Scientific Reports</i> , 2021, 11, 10936.	1.6	11

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19	Comparative modelling analysis of boron dynamic adsorption on fibrous adsorbent prepared using radiation grafting versus granular resin. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105208.	3.3	13
20	Isotherms, kinetics, and thermodynamics of boron adsorption on fibrous polymeric chelator containing glycidol moiety optimized with response surface method. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103453.	2.3	17
21	Engineered Bioactive Polymeric Surfaces by Radiation Induced Graft Copolymerization: Strategies and Applications. <i>Polymers</i> , 2021, 13, 3102.	2.0	18
22	Facile preparation of fibrous glycidol-containing adsorbent for boron removal from solutions by radiation-induced grafting of poly(vinylamine) and functionalisation. <i>Radiation Physics and Chemistry</i> , 2021, 188, 109596.	1.4	13
23	Interaction Insight of Pullulan-Mediated Gamma-Irradiated Silver Nanoparticle Synthesis and Its Antibacterial Activity. <i>Polymers</i> , 2021, 13, 3578.	2.0	12
24	Poly(lactic acid)/poly(butylene succinate) dual-layer membranes with cellulose nanowhisker for heavy metal ion separation. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 654-664.	3.6	14
25	A Degradable Inverse Vulcanized Copolymer as a Coating Material for Urea Produced under Optimized Conditions. <i>Polymers</i> , 2021, 13, 4040.	2.0	15
26	Copolymerization of palm oil with sulfur using inverse vulcanization to boost the palm oil industry. <i>Polymers and Polymer Composites</i> , 2021, 29, S1446-S1456.	1.0	6
27	Ionic liquid assisted cellulose aerogels for cleaning an oil spill. <i>Materials Today: Proceedings</i> , 2020, 31, 217-220.	0.9	19
28	Kinetic studies of radiation induced grafting of N-vinylformamide onto polyethylene/polypropylene fibrous sheets and testing its hydrolysed copolymer for CO ₂ adsorption. <i>Radiation Physics and Chemistry</i> , 2020, 171, 108727.	1.4	15
29	Sulfur-based polymers by inverse vulcanization: a novel path to foster green chemistry. <i>Green Materials</i> , 2020, 8, 172-180.	1.1	16
30	Screening of ionic liquids for the extraction of biologically active compounds using emulsion liquid membrane: COSMO-RS prediction and experiments. <i>Journal of Molecular Liquids</i> , 2020, 309, 113122.	2.3	44
31	Fabrication and characterization of supported dual acidic ionic liquids for polymer electrolyte membrane fuel cell applications. <i>Arabian Journal of Chemistry</i> , 2019, 12, 1011-1023.	2.3	15
32	Copolymerization of vegetable oils and bio-based monomers with elemental sulfur: A new promising route for bio-based polymers. <i>Sustainable Chemistry and Pharmacy</i> , 2019, 13, 100158.	1.6	33
33	Biopolymer catalyst for biodiesel production by functionalisation of radiation grafted flax fibres with diethylamine under optimised conditions. <i>Radiation Physics and Chemistry</i> , 2019, 164, 108375.	1.4	11
34	Aerogel-based materials for adsorbent applications in material domains. <i>E3S Web of Conferences</i> , 2019, 90, 01003.	0.2	11
35	Carbon Dioxide Adsorption on Grafted Nanofibrous Adsorbents Functionalized Using Different Amines. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	21
36	Improving the redox flow battery performance of low-cost thin polyelectrolyte membranes by layer-by-Layer Surface assembly. <i>Journal of Power Sources</i> , 2019, 413, 182-190.	4.0	28

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37	Highly durable polybenzimidazole composite membranes with phosphonated graphene oxide for high temperature polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2019, 412, 238-245.	4.0	74
38	Amine functionalized radiation induced grafted polyolefin nanofibers for CO ₂ adsorption. <i>Radiation Physics and Chemistry</i> , 2019, 156, 58-66.	1.4	23
39	Preparation and characterization of highly stable protic-ionic-liquid membranes. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30732-30742.	3.8	6
40	LIPASE IMMOBILIZATION ON FIBERS GRAFTED WITH POLYGLYCIDYL METHACRYLATE. <i>IIUM Engineering Journal</i> , 2019, 20, 12-23.	0.5	6
41	Production of Biodiesel from Cottonseed Oil over Aminated Flax Fibres Catalyst: Kinetic and Thermodynamic Behaviour and Biodiesel Properties. <i>Advances in Chemical Engineering and Science</i> , 2019, 09, 281-298.	0.2	9
42	Preparation and Candida rugosa Lipase Immobilization on Nylon-6 Grafted and Aminated (Polyvinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.5	4
43	Surface Modification of Teflonated Carbon Fabric by Ultrasound-Assisted Radiation Induced Grafting Copolymerization. <i>Journal of Energy and Safety Technology (JEST)</i> , 2019, 1, .	0.1	0
44	Phosphonated graphene oxide with high electrocatalytic performance for vanadium redox flow battery. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 189-197.	3.8	50
45	An Optimized Covalent Immobilization of Glucamine on Electrospun Nanofibrous Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 2018, 19, 1694-1705.	1.1	8
46	Preparation and characterization of hydrophilic polyurethane scaffolds by electrospinning and radiation induced grafting of 2-hydroxyethylmethacrylate. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
47	Highly Active Low Cobalt Content-Based Bulk MoS ₂ Hydrodesulfurization Catalysts with a Unique Impact of H ₂ S. <i>Journal of Chemistry</i> , 2018, 2018, 1-9.	0.9	2
48	Tunable Electrochemical Approach for Reduction of Graphene Oxide: Taguchi-Assisted Chemical and Structural Optimization. <i>Journal of the Electrochemical Society</i> , 2018, 165, E429-E438.	1.3	8
49	Highly flexible method for fabrication of poly (Glycidyl Methacrylate) grafted polyolefin nanofiber. <i>Radiation Physics and Chemistry</i> , 2018, 151, 283-291.	1.4	14
50	Intensifying radiation induced grafting of 4-vinylpyridine/glycidyl methacrylate mixtures onto poly(ethylene-co-tetrafluoroethylene) films using ultrasound. <i>Radiation Physics and Chemistry</i> , 2017, 134, 56-61.	1.4	6
51	Polyvinylamine-Containing Adsorbent by Radiation-Induced Grafting of <i>N</i> -Vinylformamide onto Ultrahigh Molecular Weight Polyethylene Films and Hydrolysis for CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5925-5934.	1.8	22
52	Electrospinning of poly(vinylpyrrolidone) template for formation of ZrO ₂ nanoclusters for enhancing properties of composite proton conducting membranes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 289-298.	1.8	11
53	Composite Membranes Based on Heteropolyacids and Their Applications in Fuel Cells. , 2017, , 99-131.		3
54	Kinetic investigations of emulsion- and solvent-mediated radiation induced graft copolymerization of glycidyl methacrylate onto nylon-6 fibres. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 843-857.	0.7	14

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55	Phase separated nanofibrous anion exchange membranes with polycationic side chains. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15326-15341.	5.2	39
56	Modification of polyethylene-polypropylene fibers by emulsion and solvent radiation grafting systems for boron removal. <i>Fibers and Polymers</i> , 2017, 18, 1048-1055.	1.1	19
57	Synthesis of pyrano[2,3-c]pyrazoles by ionic liquids under green and eco-safe conditions. <i>Research on Chemical Intermediates</i> , 2017, 43, 717-728.	1.3	23
58	An optimised synthesis of high performance radiation-grafted anion-exchange membranes. <i>Green Chemistry</i> , 2017, 19, 831-843.	4.6	141
59	OPTIMIZATION OF BATCH CONDITIONS FOR THE REMOVAL OF BORON BY AMBERLITE IR743. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0
60	Enhancement of performance of pyridine modified polybenzimidazole fuel cell membranes using zirconium oxide nanoclusters and optimized phosphoric acid doping level. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 6842-6854.	3.8	24
61	Environmentally benign and highly regioselective ring opening of epoxides accelerated by ultrasound irradiation. <i>Green Chemistry Letters and Reviews</i> , 2016, 9, 76-84.	2.1	11
62	Radiation-grafted materials for energy conversion and energy storage applications. <i>Progress in Polymer Science</i> , 2016, 63, 1-41.	11.8	64
63	Enhancing antimicrobial properties of poly(vinylidene fluoride)/hexafluoropropylene copolymer membrane by electron beam induced grafting of N-vinyl-2-pyrrolidone and iodine immobilization. <i>RSC Advances</i> , 2016, 6, 42461-42473.	1.7	15
64	Removal of Ni(II), Zn(II) and Pb(II) from aqueous solutions using cation-exchange resin in fixed-bed column. <i>Desalination and Water Treatment</i> , 2016, 57, 18770-18781.	1.0	3
65	Preparation of alkaline polymer catalyst by radiation induced grafting for transesterification of triacetin under neural network optimized conditions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 557-565.	1.2	7
66	Enhancement of fuel cell performance with less-water dependent composite membranes having polyoxometalate anchored nanofibrous interlayer. <i>Journal of Power Sources</i> , 2016, 326, 482-489.	4.0	21
67	Radiation grafted adsorbents for newly emerging environmental applications. <i>Radiation Physics and Chemistry</i> , 2016, 118, 55-60.	1.4	20
68	Modification of flax fibres by radiation induced emulsion graft copolymerization of glycidyl methacrylate. <i>Radiation Physics and Chemistry</i> , 2016, 122, 35-42.	1.4	25
69	Optimization of biodiesel production from waste cooking oil using ion-exchange resins. <i>International Journal of Green Energy</i> , 2016, 13, 28-33.	2.1	7
70	New Selective Adsorbent from Modified Waste Nylon-6 Microfibers for Removal of Boron from Waters. , 2016, , .		0
71	Aspen Plus Simulation of Ultrasound Assisted Distillation for Separating Azeotropic Mixture. <i>Advanced Materials Research</i> , 2015, 1113, 710-714.	0.3	0
72	High refractive index materials: A structural property comparison of sulfide and sulfoxide containing polyamides. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2867-2877.	2.5	17

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73	PREPARATION AND CHARACTERIZATION OF POLY(1-VINYL IMIDAZOLE)-GRAFT-ETFE/PHOSPHORIC ACID PROTON CONDUCTING MEMBRANES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 75, .	0.3	0
74	Preparation and Characterization of Poly(3-hydroxybutyric acid)/Poly(vinyl acetate) Blend Films. <i>Asian Journal of Chemistry</i> , 2015, 27, 979-983.	0.1	6
75	Modification of nylon-6 fibres by radiation-induced graft polymerisation of vinylbenzyl chloride. <i>Radiation Physics and Chemistry</i> , 2015, 109, 54-62.	1.4	23
76	Kinetic behaviour of graft copolymerisation of nitrogenous heterocyclic monomer onto EB-irradiated ETFE films. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 1225-1234.	0.7	7
77	Tuning N-methyl-glucamine density in a new radiation grafted poly(vinyl benzyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Advances, 2015, 5, 37869-37880.	1.7	27
78	Improved Methanol Barrier Property of Nafion Hybrid Membrane by Incorporating Nanofibrous Interlayer Self-Immobilized with High Level of Phosphotungstic Acid. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17008-17015.	4.0	62
79	Ultrasound-assisted regioselective ring opening of epoxides with nitrogen heterocycles using pyrrolidonium and imidazolium-based acidic ionic liquids. <i>Research on Chemical Intermediates</i> , 2015, 41, 10097-10108.	1.3	9
80	Sustainable alternative protocols for the multicomponent synthesis of spiro-4H-pyrans catalyzed by 4-dimethylaminopyridine. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 273-281.	2.9	33
81	State-of-the-Art Technologies for Separation of Azeotropic Mixtures. <i>Separation and Purification Reviews</i> , 2015, 44, 308-330.	2.8	75
82	Radiation-Grafted Membranes for Polymer Electrolyte Fuel Cells: Current Trends and Future Directions. <i>Chemical Reviews</i> , 2014, 114, 12278-12329.	23.0	164
83	Parametric investigations on proton conducting membrane by radiation induced grafting of 4-vinylpyridine onto poly(vinylidene fluoride) and phosphoric acid doping. <i>Radiochimica Acta</i> , 2014, 102, 351-362.	0.5	14
84	Modeling and optimization aspects of radiation induced grafting of 4-vinylpyridene onto partially fluorinated films. <i>Radiation Physics and Chemistry</i> , 2014, 94, 123-128.	1.4	9
85	Polymer-based chelating adsorbents for the selective removal of boron from water and wastewater: A review. <i>Reactive and Functional Polymers</i> , 2014, 85, 54-68.	2.0	114
86	Eco-safe and expeditious approaches for synthesis of quinazoline and pyrimidine-2-amine derivatives using ionic liquids aided with ultrasound or microwave irradiation. <i>Journal of Molecular Liquids</i> , 2014, 199, 267-274.	2.3	26
87	Electrospinning of nylon-6,6 solutions into nanofibers: Rheology and morphology relationships. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 793-804.	2.0	60
88	Vapor-liquid equilibrium of ethanol/ethyl acetate mixture in ultrasonic intensified environment. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 875-880.	1.2	5
89	New CO ₂ adsorbent containing aminated poly(glycidyl methacrylate) grafted onto irradiated PE-PP nonwoven sheet. <i>Radiation Physics and Chemistry</i> , 2014, 103, 72-74.	1.4	30
90	Modeling, prediction, and multifactorial optimization of radiation-induced grafting of 4-vinylpyridine onto poly(vinylidene fluoride) films using statistical simulator. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1659-1666.	1.3	7

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91	Preparation and characterization of phosphoric acid composite membrane by radiation induced grafting of 4-vinylpyridine onto poly(ethylene-co-tetrafluoroethylene) followed by phosphoric acid doping. <i>Journal of Applied Polymer Science</i> , 2013, 128, 549-557.	1.3	23
92	Highly refractive, transparent, and solution processable polyamides based on a noncoplanar ortho-substituted sulfonyl-bridged diacid monomer containing chlorine side groups. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	12
93	Optimization and kinetics of phosphoric acid doping of poly(1-vinylimidazole)-graft-poly(ethylene-co-tetrafluoroethylene) proton conducting membrane precursors. <i>Journal of Membrane Science</i> , 2013, 446, 422-432.	4.1	7
94	Composite proton conducting membrane by radiation-induced grafting of 1-vinylimidazole onto poly(ethylene-co-tetrafluoroethylene) and phosphoric acid doping. <i>High Performance Polymers</i> , 2013, 25, 198-204.	0.8	15
95	Optimization of Parameters Affecting Adsorption of Nickel (II), Zinc (II) and Lead (II) on Dowex 50 W Resin Using a Response Surface Methodology Approach. <i>Journal of Environmental Science and Technology</i> , 2013, 6, 106-118.	0.3	4
96	Radiation-grafted copolymers for separation and purification purposes: Status, challenges and future directions. <i>Progress in Polymer Science</i> , 2012, 37, 1597-1656.	11.8	221
97	Introduction to Ion Exchange Processes. , 2012, , 1-39.		8
98	Preparation and Characterization of Chitosan/Agar Blended Films: Part 2. Thermal, Mechanical, and Surface Properties. <i>E-Journal of Chemistry</i> , 2012, 9, 510-516.	0.4	34
99	Preparation and Characterization of Chitosan/Agar Blended Films: Part 1. Chemical Structure and Morphology. <i>E-Journal of Chemistry</i> , 2012, 9, 1431-1439.	0.4	51
100	Water and charge transport models in proton exchange membranes: An overview. <i>Desalination</i> , 2012, 287, 238-246.	4.0	26
101	Optimization strategies for radiation induced grafting of 4-vinylpyridine onto poly(ethylene-co-tetrafluoroethene) film using Box-Behnken design. <i>Radiation Physics and Chemistry</i> , 2012, 81, 437-444.	1.4	12
102	Optimization of biodiesel production from waste cooking oil using ion exchange resins. , 2011, , .		0
103	Preparation and Properties of Non-Crosslinked and Ionically Crosslinked Chitosan/Agar Blended Hydrogel Films. <i>E-Journal of Chemistry</i> , 2011, 8, S409-S419.	0.4	14
104	Preparation and Characterization of Chitosan/Poly(Vinyl Alcohol) Blended Films: Mechanical, Thermal and Surface Investigations. <i>E-Journal of Chemistry</i> , 2011, 8, 91-96.	0.4	51
105	Optimization of reaction parameters of radiation induced grafting of 1-vinylimidazole onto poly(ethylene-co-tetrafluoroethene) using response surface method. <i>Radiation Physics and Chemistry</i> , 2011, 80, 1222-1227.	1.4	19
106	Comparative investigations of radiation-grafted proton-exchange membranes prepared using single-step and conventional two-step radiation-induced grafting methods. <i>Polymer International</i> , 2011, 60, 186-193.	1.6	14
107	Kinetic investigations of graft copolymerization of sodium styrene sulfonate onto electron beam irradiated poly(vinylidene fluoride) films. <i>Radiation Physics and Chemistry</i> , 2011, 80, 66-75.	1.4	43
108	Teaching engineering ethics: a necessary measure for engineering capacity building in Arab countries. <i>International Journal of Arab Culture, Management and Sustainable Development</i> , 2010, 1, 318.	0.1	0

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109	Acid-synergized grafting of sodium styrene sulfonate onto electron beam irradiated-poly(vinylidene fluoride) films. Journal of Applied Polymer Science, 2010, 115, 2801-2809.	1.3	20
110	The Preparation and Characterization of Chitosan / Poly (Vinyl Alcohol) Blended Films. E-Journal of Chemistry, 2010, 7, 1212-1219.	0.4	74
111	Preparation and Characterization of Chitosan/Polyvinyl Alcohol Blends-A Rheological Study. E-Journal of Chemistry, 2010, 7, S349-S357.	0.4	13
112	REMOVAL OF METAL IONS FROM AQUEOUS SOLUTIONS USING CROSSLINKED POLYETHYLENE TEREPHTHALATE-POLYSTYRENE SULFONIC ACID ADSORBENT PREPARED BY RADIATION GRAFTING. Journal of the Chilean Chemical Society, 2010, 55, 421-427.	0.5	24
113	Single-step radiation induced grafting for preparation of proton exchange membranes for fuel cell. Journal of Membrane Science, 2009, 339, 115-119.	4.1	44
114	Adsorption of some heavy metal ions from aqueous solutions on Nafion 117 membrane. Desalination, 2009, 249, 677-681.	4.0	82
115	Fuel Cell Membranes by Radiation-Induced Graft Copolymerization: Current Status, Challenges, and Future Directions. , 2008, , 1-28.		1
116	Effect of reaction conditions on electron induced graft copolymerization of styrene onto poly(ethylene-co-tetrafluoroethylene) films: Kinetics study. Chemical Engineering Journal, 2007, 132, 27-35.	6.6	29
117	Surface studies of radiation grafted sulfonic acid membranes: XPS and SEM analysis. Applied Surface Science, 2006, 252, 3073-3084.	3.1	99
118	Structural, thermal and ion transport properties of radiation grafted lithium conductive polymer electrolytes. Materials Chemistry and Physics, 2006, 99, 361-369.	2.0	23
119	Single Radiation-Induced Grafting Method for the Preparation of Two Proton- and Lithium Ion-Conducting Membranes. Macromolecular Materials and Engineering, 2006, 291, 972-983.	1.7	27
120	Structure-property Relationships in Radiation Grafted Poly(tetrafluoroethylene)-graft-polystyrene Sulfonic Acid Membranes. Journal of Polymer Research, 2005, 12, 305-312.	1.2	19
121	STRUCTURE OF POLYETHYLENE-GRAFT-POLYSTYRENE SULFONIC ACID MEMBRANES PREPARED BY RADIATION-INDUCED GRAFTING. International Journal of Polymeric Materials and Polymeric Biomaterials, 2004, 53, 1027-1043.	1.8	18
122	Preparation of polymer electrolyte membranes for lithium batteries by radiation-induced graft copolymerization. Solid State Ionics, 2004, 171, 243-249.	1.3	22
123	Electron irradiation effects on partially fluorinated polymer films: Structure-property relationships. Nuclear Instruments & Methods in Physics Research B, 2003, 201, 604-614.	0.6	71
124	Electron beam irradiation effects on ethylene-tetrafluoroethylene copolymer films. Radiation Physics and Chemistry, 2003, 68, 875-883.	1.4	72
125	Structural investigations of poly(ethylene terephthalate)-graft-polystyrene copolymer films. Journal of Applied Polymer Science, 2002, 84, 1949-1955.	1.3	12
126	Investigation of electron irradiation induced-changes in poly(vinylidene fluoride) films. Polymer Degradation and Stability, 2002, 75, 85-92.	2.7	63

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127	Structural investigation of polystyrene grafted and sulfonated poly(tetrafluoroethylene) membranes. <i>European Polymer Journal</i> , 2002, 38, 87-95.	2.6	26
128	Effect of solvents on radiation-induced grafting of styrene onto fluorinated polymer films. <i>Polymer International</i> , 2001, 50, 338-346.	1.6	62
129	Radiation-induced grafting of styrene onto poly(tetrafluoroethylene) (PTFE) films. I. Effect of grafting conditions and properties of the grafted films. <i>Polymer International</i> , 2000, 49, 399-406.	1.6	92
130	Cation exchange membranes by radiation-induced graft copolymerization of styrene onto PFA copolymer films. II. Characterization of sulfonated graft copolymer membranes. <i>Journal of Applied Polymer Science</i> , 2000, 76, 1-11.	1.3	79
131	Proton exchange membranes prepared by simultaneous radiation grafting of styrene onto poly(tetrafluoroethylene-co-hexafluoropropylene) films. I. Effect of grafting conditions. <i>Journal of Applied Polymer Science</i> , 2000, 76, 220-227.	1.3	69
132	XPS studies of radiation grafted PTFE-g-polystyrene sulfonic acid membranes. <i>Journal of Applied Polymer Science</i> , 2000, 76, 336-349.	1.3	69
133	Part II. Properties of the grafted and sulfonated membranes. <i>Polymer International</i> , 2000, 49, 1572-1579.	1.6	28
134	Gamma radiation-induced graft copolymerization of styrene onto poly(ethyleneterephthalate) films. <i>Journal of Applied Polymer Science</i> , 2000, 77, 1003-1012.	1.3	45
135	Cation exchange membranes by radiation-induced graft copolymerization of styrene onto PFA copolymer films. III. Thermal stability of the membranes. <i>Journal of Applied Polymer Science</i> , 2000, 77, 1877-1885.	1.3	32
136	Cation exchange membranes by radiation-induced graft copolymerization of styrene onto PFA copolymer films. IV. Morphological investigations using X-ray photoelectron spectroscopy. <i>Journal of Applied Polymer Science</i> , 2000, 77, 2455-2463.	1.3	24
137	Proton exchange membranes prepared by simultaneous radiation grafting of styrene onto poly(tetrafluoroethylene-co-hexafluoropropylene) films. II. Properties of sulfonated membranes. <i>Journal of Applied Polymer Science</i> , 2000, 78, 2443-2453.	1.3	61
138	Thermal stability of radiation grafted PTFE-g-polystyrene sulfonic acid membranes. <i>Polymer Degradation and Stability</i> , 2000, 68, 231-238.	2.7	37
139	Thermal degradation behaviour of radiation grafted FEP-g-polystyrene sulfonic acid membranes. <i>Polymer Degradation and Stability</i> , 2000, 70, 497-504.	2.7	34
140	XPS studies of radiation grafted PTFE-g-polystyrene sulfonic acid membranes. , 2000, 76, 336.		1
141	XPS studies of radiation grafted PTFE-g-polystyrene sulfonic acid membranes. <i>Journal of Applied Polymer Science</i> , 2000, 76, 336.	1.3	3
142	Part II. Properties of the grafted and sulfonated membranes. , 2000, 49, 1572.		3
143	Cation exchange membranes by radiation-induced graft copolymerization of styrene onto PFA copolymer films. I. Preparation and characterization of the graft copolymer. <i>Journal of Applied Polymer Science</i> , 1999, 73, 2095-2102.	1.3	71
144	Linear and Non-Linear Regression Analysis of Boron Adsorption Kinetics on New Radiation Grafted Fibrous Adsorbent. <i>Applied Mechanics and Materials</i> , 0, 625, 245-248.	0.2	0

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145	Kinetics of Radiation-Induced Graft Copolymerization of Vinylbenzyl Chloride onto Nylon Fibers. Applied Mechanics and Materials, 0, 719-720, 63-66.	0.2	1