

Olgun GÃ¼ven

List of Publications by Year in descending order

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217
papers

6,749
citations

50276

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times ranked

5329
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation-grafted copolymers for separation and purification purposes: Status, challenges and future directions. <i>Progress in Polymer Science</i> , 2012, 37, 1597-1656.	24.7	221
2	Poly(ethylene oxide) and its blends with sodium alginate. <i>Polymer</i> , 2005, 46, 10750-10757.	3.8	195
3	Verification of Controlled Grafting of Styrene from Cellulose via Radiation-Induced RAFT Polymerization. <i>Macromolecules</i> , 2007, 40, 7140-7147.	4.8	176
4	A review on the radiation synthesis of copolymeric hydrogels for adsorption and separation purposes. <i>Radiation Physics and Chemistry</i> , 1999, 56, 381-386.	2.8	130
5	RAFT-mediated polymerization and grafting of sodium 4-styrenesulfonate from cellulose initiated via $\dot{\gamma}$ -radiation. <i>Polymer</i> , 2009, 50, 973-982.	3.8	115
6	Re-Emerging Field of Lignocellulosic Fiber “ Polymer Composites and Ionizing Radiation Technology in their Formulation. <i>Polymer Reviews</i> , 2016, 56, 702-736.	10.9	113
7	Radiation Induced Superabsorbent Hydrogels. Acrylamide/Itaconic Acid Copolymers. <i>Macromolecular Materials and Engineering</i> , 2001, 286, 34-42.	3.6	102
8	Determination of average molecular weight between cross-links (Mc) from swelling behaviours of diprotic acid-containing hydrogels. <i>Polymer</i> , 1999, 40, 2969-2974.	3.8	99
9	Behaviors of Acrylamide/Itaconic Acid Hydrogels in Uptake of Uranyl Ions from Aqueous Solutions. <i>Separation Science and Technology</i> , 1995, 30, 3747-3760.	2.5	98
10	Preparation of poly(N-isopropylacrylamide/itaconic acid) copolymeric hydrogels and their drug release behavior. <i>International Journal of Pharmaceutics</i> , 2004, 278, 343-351.	5.2	96
11	Swelling studies of copolymeric acrylamide/crotonic acid hydrogels as carriers for agricultural uses. <i>Polymers for Advanced Technologies</i> , 2000, 11, 59-68.	3.2	92
12	Radiation crosslinking of biodegradable hydroxypropylmethylcellulose. <i>Carbohydrate Polymers</i> , 2004, 55, 139-147.	10.2	90
13	Controlled release of terbinafine hydrochloride from pH sensitive poly(acrylamide/maleic acid) hydrogels. <i>International Journal of Pharmaceutics</i> , 2000, 203, 149-157.	5.2	85
14	Acrylamide/maleic acid hydrogels. <i>Polymers for Advanced Technologies</i> , 1995, 6, 719-726.	3.2	84
15	Preparation and characterization of poly(n-vinyl 2-pyrrolidone) hydrogels. <i>Polymer</i> , 1991, 32, 2491-2495.	3.8	82
16	Adsorptions of Some Heavy Metal Ions in Aqueous Solutions by Acrylamide/Maleic Acid Hydrogels. <i>Separation Science and Technology</i> , 1995, 30, 3287-3298.	2.5	81
17	Design and evaluation of sustained-release and buccal adhesive propranolol hydrochloride tablets. <i>Journal of Controlled Release</i> , 1996, 38, 11-20.	9.9	73
18	Radiation synthesis, characterization and amidoximation of N-vinyl-2-pyrrolidone/acrylonitrile interpenetrating polymer networks. <i>Reactive and Functional Polymers</i> , 1999, 39, 139-146.	4.1	73

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19	Porous cellulosic adsorbent for the removal of Cd (II), Pb(II) and Cu(II) ions from aqueous media. Radiation Physics and Chemistry, 2018, 142, 70-76.	2.8	70
20	The Influence of Preparation Methods on the Swelling and Network Properties of Acrylamide Hydrogels with Crosslinkers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 419-431.	2.2	68
21	Removal of concentrated heavy metal ions from aqueous solutions using polymers with enriched amidoxime groups. Journal of Applied Polymer Science, 2004, 93, 1705-1710.	2.6	66
22	Formulation and in vitro-in vivo evaluation of buccoadhesive morphine sulfate tablets. Pharmaceutical Research, 1994, 11, 231-236.	3.5	65
23	Radiation-grafted materials for energy conversion and energy storage applications. Progress in Polymer Science, 2016, 63, 1-41.	24.7	64
24	Development and Evaluation of Paclitaxel Nanoparticles Using a Quality-by-Design Approach. Journal of Pharmaceutical Sciences, 2013, 102, 3748-3761.	3.3	63
25	Adsorption of bovine serum albumin onto acrylamidâ€”maleic acid hydrogels. Biomaterials, 1994, 15, 917-920.	11.4	62
26	Prediction of swelling behaviour of hydrogels containing diprotic acid moieties. Polymer, 1998, 39, 1165-1172.	3.8	62
27	Swelling and dye adsorption properties of radiation induced N -vinyl-2-pyrrolidone/acrylonitrile hydrogels. Polymer Bulletin, 1998, 41, 371-378.	3.3	61
28	Investigation of active substance release from poly(ethylene oxide) hydrogels. International Journal of Pharmaceutics, 2001, 224, 151-158.	5.2	58
29	Radiation-induced graft polymerization of glycidyl methacrylate onto PE/PP nonwoven fabric and its modification toward enhanced amidoximation. Journal of Applied Polymer Science, 2007, 105, 1551-1558.	2.6	57
30	Development of new chelating hydrogels based on N-vinyl imidazole and acrylonitrile. Radiation Physics and Chemistry, 2000, 59, 485-491.	2.8	56
31	Interaction of some cationic dyes with acrylamide/itaconic acid hydrogels. Journal of Applied Polymer Science, 1996, 61, 2367-2372.	2.6	55
32	Adsorption Efficiency of a New Adsorbent Towards Uranium and Vanadium Ions at Low Concentrations. Separation Science and Technology, 2005, 39, 1631-1643.	2.5	55
33	A short review of radiation-induced raft-mediated graft copolymerization: A powerful combination for modifying the surface properties of polymers in a controlled manner. Radiation Physics and Chemistry, 2009, 78, 1054-1059.	2.8	55
34	The usability of (sodium alginate/acrylamide) semiâ€”interpenetrating polymer networks on removal of some textile dyes. Journal of Applied Polymer Science, 2008, 108, 3787-3795.	2.6	54
35	Synthesis and characterization of novel comb-type amphiphilic graft copolymers containing polypropylene and polyethylene glycol. Polymer Bulletin, 2010, 64, 691-705.	3.3	53
36	Enhancement of uranyl ion uptake by prestructuring of acrylamide-maleic acid hydrogels. Journal of Applied Polymer Science, 2000, 78, 284-289.	2.6	52

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37	Uranyl ion adsorptivity of N-vinyl 2-pyrrolidone/acrylonitrile copolymeric hydrogels containing amidoxime groups. Polymer Bulletin, 2000, 44, 593-600.	3.3	52
38	Use of amidoximated acrylonitrile/N-vinyl 2-pyrrolidone interpenetrating polymer networks for uranyl ion adsorption from aqueous systems. Journal of Applied Polymer Science, 2001, 81, 2324-2329.	2.6	52
39	Synthesis and characterization of poly(N-vinyl imidazole) hydrogels crosslinked by gamma irradiation. Polymer International, 2002, 51, 1404-1410.	3.1	52
40	Adsorption of bovine serum albumin to acrylamide-itaconic acid hydrogels. Polymers for Advanced Technologies, 1994, 5, 664-668.	3.2	51
41	Use of superswelling acrylamide/maleic acid hydrogels for monovalent cationic dye adsorption. Journal of Applied Polymer Science, 2001, 79, 1809-1815.	2.6	51
42	Nanopore size tuning of polymeric membranes using the RAFT-mediated radical polymerization. Journal of Membrane Science, 2013, 445, 135-145.	8.2	51
43	Effect of pH, ionic strength, and temperature on uranyl ion adsorption by poly(N-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50	2.6	50
44	Synthesis and Characterization of Poly(N-vinylimidazole-co-acrylonitrile) and Determination of Monomer Reactivity Ratios. Macromolecular Chemistry and Physics, 2004, 205, 1088-1095.	2.2	50
45	RAFT mediated grafting of poly(acrylic acid) (PAA) from polyethylene/polypropylene (PE/PP) nonwoven fabric via preirradiation. Polymer, 2013, 54, 4838-4848.	3.8	49
46	The effect of external stimuli on the equilibrium swelling properties of poly(N -vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (2-pyr	3.8	48
47	Synthesis and characterization of N-vinylimidazole-ethyl methacrylate copolymers and determination of monomer reactivity ratios. European Polymer Journal, 2001, 37, 2443-2451.	5.4	48
48	Radiation-induced and RAFT-mediated grafting of poly(hydroxyethyl methacrylate) (PHEMA) from cellulose surfaces. Radiation Physics and Chemistry, 2014, 94, 98-104.	2.8	46
49	The releases of agrochemicals from radiation induced acrylamide/crotonic acid hydrogels. Polymer Bulletin, 1998, 41, 577-584.	3.3	45
50	Separation of uranyl ions with amidoximated poly(acrylonitrile/N-vinylimidazole) complexing sorbents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 212, 155-161.	4.7	45
51	Preparation and thermal characterization of block copolymers by macroazoniitriles having glycidyl azide and epichlorohydrin moieties. Journal of Applied Polymer Science, 1996, 60, 2141-2147.	2.6	42
52	Development of novel adsorbent materials for recovery and enrichment of uranium from aqueous media. Journal of Applied Polymer Science, 1997, 66, 2475-2480.	2.6	42
53	Separation of heavy metal ions by complexation on poly (N-vinyl imidazole) hydrogels. Polymer Bulletin, 2004, 51, 307-314.	3.3	42
54	Functionalization of cellulose with epoxy groups via \hat{I}^3 -initiated RAFT-mediated grafting of glycidyl methacrylate. Cellulose, 2014, 21, 4067-4079.	4.9	42

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55	Dynamic swelling behavior of γ -radiation induced polyelectrolyte poly(AAm-co-CA) hydrogels in urea solutions. International Journal of Pharmaceutics, 2005, 301, 102-111.	5.2	41
56	Graft copolymerization of glycidyl methacrylate onto delignified kenaf fibers through pre-irradiation technique. Radiation Physics and Chemistry, 2013, 91, 125-131.	2.8	41
57	Adsorption of Some Basic Dyes by Acrylamide-Maleic Acid Hydrogels. Separation Science and Technology, 1996, 31, 423-434.	2.5	40
58	RADIATION INDUCED ACRYLAMIDE/CITRIC ACID HYDROGELS AND THEIR SWELLING BEHAVIORS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1105-1121.	2.2	40
59	Surface modification of cellulose via conventional and controlled radiation-induced grafting. Radiation Physics and Chemistry, 2019, 160, 1-8.	2.8	40
60	Equilibrium swelling behavior of pH- and temperature-sensitive poly(N-vinyl 2-pyrrolidone-g-citric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 2063-2071.	2.1	39
61	A comparison of various isothermal thermogravimetric methods applied to the degradation of PVC. Thermochimica Acta, 1986, 106, 169-178.	2.7	38
62	The effect of oxidation pretreatment of polymer template on the formation and catalytic activity of Au/PET membrane composites. Chemical Papers, 2017, 71, 2353-2358.	2.2	38
63	Radiation synthesis of n-vinyl 2-pyrrolidone/acrylonitrile interpenetrating polymer networks and their use in uranium recovery from aqueous systems. Radiation Physics and Chemistry, 1998, 52, 271-276.	2.8	37
64	A Highly Efficient Chelating Polymer for the Adsorption of Uranyl and Vanadyl Ions at Low Concentrations. Adsorption, 2005, 10, 309-315.	3.0	37
65	Effects of irradiated polypropylene compatibilizer on the properties of short carbon fiber reinforced polypropylene composites. Radiation Physics and Chemistry, 2013, 84, 74-78.	2.8	37
66	Modification of PET ion track membranes for membrane distillation of low-level liquid radioactive wastes and salt solutions. Separation and Purification Technology, 2019, 227, 115694.	7.9	37
67	Relationship between the swelling process and the releases of water soluble agrochemicals from radiation crosslinked acrylamide/itaconic acid copolymers. Polymer Bulletin, 2000, 45, 287-294.	3.3	35
68	AMIDOXIMATION AND CHARACTERIZATION OF NEW COMPLEXING HYDROGELS PREPARED FROM N-VINYL 2-PYRROLIDONE/ACRYLONITRILE SYSTEMS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2000, 37, 1159-1172.	2.2	34
69	Influence of gel composition on the solubility parameter of poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (r 1995-2003.	2.1	34
70	Preparation and characterization of Fe(III)-loaded iminodiacetic acid modified GMA grafted nonwoven fabric adsorbent for anion adsorption. Radiation Physics and Chemistry, 2014, 94, 105-110.	2.8	34
71	Nanostructuring of polymers by controlling of ionizing radiation-induced free radical polymerization, copolymerization, grafting and crosslinking by RAFT mechanism. Radiation Physics and Chemistry, 2020, 169, 107816.	2.8	34
72	Complex formation of linear poly(methacrylic acid) with uranyl ions in aqueous solutions. Journal of Colloid and Interface Science, 2004, 278, 155-159.	9.4	33

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73	The effect of oxidizing agents/systems on the properties of track-etched PET membranes. Polymer Degradation and Stability, 2014, 107, 150-157.	5.8	33
74	Towards new proton exchange membrane materials with enhanced performance via RAFT polymerization. Polymer Chemistry, 2016, 7, 701-714.	3.9	33
75	Determination of diffusion coefficient of oxygen into polymers by using electron spin resonance spectroscopy. I. Poly(methyl methacrylate). Journal of Applied Polymer Science, 1989, 37, 2577-2585.	2.6	32
76	Grafting in confined spaces: Functionalization of nanochannels of track-etched membranes. Radiation Physics and Chemistry, 2014, 105, 26-30.	2.8	32
77	Study of the Curing Process of DGEBA Epoxy Resin Through Structural Investigation. Macromolecular Chemistry and Physics, 2015, 216, 538-546.	2.2	32
78	Poly(2-hydroxyethyl methacrylate) (PHEMA) grafted polyethylene/polypropylene (PE/PP) nonwoven fabric by I^3 -initiation: Synthesis, characterization and benefits of RAFT mediation. Radiation Physics and Chemistry, 2014, 105, 31-38.	2.8	31
79	Grafting of N,N-dimethylaminoethyl methacrylate from PE/PP nonwoven fabric via radiation-induced RAFT polymerization and quaternization of the grafts. Radiation Physics and Chemistry, 2016, 124, 145-154.	2.8	31
80	Molecular association in aqueous solutions of high molecular weight poly(ethylene oxide). Die Makromolekulare Chemie, 1978, 179, 2789-2791.	1.1	30
81	Radiation induced deposition of copper nanoparticles inside the nanochannels of poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2017, 130, 480-487.	2.8	30
82	Super Water-Retainer Hydrogels: Crosslinked Acrylamide/Succinic Acid Copolymers. Polymer Journal, 1997, 29, 631-636.	2.7	29
83	Preparation and characterization of poly(isobutyl methacrylate) microbeads with grafted amidoxime groups. Radiation Physics and Chemistry, 2007, 76, 1569-1576.	2.8	29
84	Preparation of nanogels by radiation-induced cross-linking of interpolymer complexes of poly (acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 130-136.	2.8	29
85	A smartphone-based colorimetric PET sensor platform with molecular recognition via thermally initiated RAFT-mediated graft copolymerization. Sensors and Actuators B: Chemical, 2019, 296, 126653.	7.8	29
86	Spectroscopic and thermal characterization of poly(glycidyl azide) converted from polyepichlorohydrin. Journal of Applied Polymer Science, 1996, 60, 1361-1367.	2.6	28
87	A new metal chelate sorbent for glucose oxidase: Cu(II)- and Co(II)-chelated poly(N-vinylimidazole) gels. Journal of Applied Polymer Science, 2001, 82, 446-453.	2.6	28
88	Radiation-induced grafting of dimethylaminoethylmethacrylate onto PE/PP nonwoven fabric. Nuclear Instruments & Methods in Physics Research B, 2007, 265, 204-207.	1.4	28
89	Radiation induced emulsion graft polymerization of 4-vinylpyridine onto PE/PP nonwoven fabric for As(V) adsorption. Radiation Physics and Chemistry, 2016, 127, 13-20.	2.8	28
90	Molecular association in aqueous solutions of high molecular weight poly(N-vinyl-2-pyrrolidone). Die Makromolekulare Chemie, 1981, 182, 3129-3134.	1.1	27

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91	Removal of phosphate by using copper-loaded poly(N-vinylimidazole) hydrogels as polymeric ligand exchanger. Journal of Applied Polymer Science, 2011, 119, 613-619.	2.6	27
92	Quaternized dimethylaminoethyl methacrylate strong base anion exchange fibers for As(V) adsorption. Radiation Physics and Chemistry, 2014, 102, 84-95.	2.8	27
93	Chemical modification of PET surface and subsequent graft copolymerization with poly(N-isopropylacrylamide). Reactive and Functional Polymers, 2017, 118, 26-34.	4.1	27
94	Cationic dye adsorption by acrylamide/itaconic acid hydrogels in aqueous solutions. Polymers for Advanced Technologies, 1997, 8, 574-578.	3.2	26
95	Influence of Some Amino Acids on the Dynamic Swelling Behavior of Radiation-Induced Acrylamide Hydrogel. Applied Biochemistry and Biotechnology, 1999, 82, 115-126.	2.9	26
96	Swelling and diffusion studies of poly(N-isopropylacrylamide/itaconic acid) copolymeric hydrogels in water and aqueous solutions of drugs. Journal of Applied Polymer Science, 2004, 91, 911-915.	2.6	26
97	Radiation-induced conductivity control in polyaniline blends/composites. Radiation Physics and Chemistry, 2007, 76, 1302-1307.	2.8	26
98	Irradiated chitosan nanoparticle as a water-based antioxidant and reducing agent for a green synthesis of gold nanoplatforms. Radiation Physics and Chemistry, 2015, 106, 360-370.	2.8	26
99	Synthesis, characterization and amidoximation of a novel polymer: poly(N,Nâ€²-dipropionitrile) Tj ETQq1 1 0.784314.rgBT /Oyerlock 1	4.1	25
100	Short vegetal-fiber reinforced HDPEâ€™A study of electron-beam radiation treatment effects on mechanical and morphological properties. Applied Surface Science, 2014, 310, 325-330.	6.1	25
101	Activation of Polyethylene/Polypropylene Nonwoven Fabric by Radiation-Induced Grafting for the Removal of Cr(VI) from Aqueous Solutions. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	25
102	Amine functionalization of cellulose surface grafted with glycidyl methacrylate by Î³-initiated RAFT polymerization. Radiation Physics and Chemistry, 2016, 124, 140-144.	2.8	25
103	Determination of diffusion coefficient of oxygen into polymers by using electron spin resonance spectroscopy. II. Poly(vinyl acetate). Journal of Applied Polymer Science, 1992, 44, 1595-1599.	2.6	24
104	Application of radiation for the synthesis of poly(n-vinyl pyrrolidone) nanogels with controlled sizes from aqueous solutions. Applied Radiation and Isotopes, 2019, 145, 161-169.	1.5	24
105	Preparation, characterization, and drug-release properties of poly(N-isopropylacrylamide) microspheres having poly(itaconic acid) graft chains. Journal of Applied Polymer Science, 2005, 97, 1115-1124.	2.6	23
106	Radiation-induced degradation of galactomannan polysaccharides. Nuclear Instruments & Methods in Physics Research B, 2007, 265, 429-433.	1.4	23
107	Preparation of quaternized dimethylaminoethylmethacrylate grafted nonwoven fabric for the removal of phosphate. Radiation Physics and Chemistry, 2010, 79, 233-237.	2.8	23
108	Determination of solubility parameter of poly(n-vinyl 2-pyrrolidon/ethylene glycol dimethacrylate) gels by swelling measurements. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 213-219.	2.1	22

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109	UV-induced graft polymerization of acrylic acid in the sub-micronchannels of oxidized PET track-etched membrane. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 419-423.	1.4	22
110	Quaternized poly(1-vinylimidazole) hydrogel for anion adsorption. Polymer Bulletin, 2016, 73, 179-190.	3.3	22
111	Removal of phosphate using copper-loaded polymeric ligand exchanger prepared by radiation grafting of polypropylene/polyethylene (PP/PE) nonwoven fabric. Radiation Physics and Chemistry, 2010, 79, 227-232.	2.8	21
112	Preparation of well-defined erythromycin imprinted non-woven fabrics via radiation-induced RAFT-mediated grafting. Radiation Physics and Chemistry, 2018, 142, 77-81.	2.8	21
113	Protein fouling of modified microporous PET track-etched membranes. Radiation Physics and Chemistry, 2018, 151, 141-148.	2.8	21
114	Electron/gamma radiation-induced synthesis and catalytic activity of gold nanoparticles supported on track-etched poly(ethylene terephthalate) membranes. Materials Chemistry and Physics, 2018, 217, 31-39.	4.0	21
115	Cu/CuO Composite Track-Etched Membranes for Catalytic Decomposition of Nitrophenols and Removal of As(III). Nanomaterials, 2020, 10, 1552.	4.1	21
116	Method for preparing a well-defined molecularly imprinted polymeric system via radiation-induced RAFT polymerization. European Polymer Journal, 2018, 103, 21-30.	5.4	20
117	Recent Progress in the Membrane Distillation and Impact of Track-Etched Membranes. Polymers, 2021, 13, 2520.	4.5	20
118	Interaction of nicotine and its pharmaceutical derivatives with acrylamide/itaconic acid hydrogels. Journal of Applied Polymer Science, 1997, 66, 733-739.	2.6	19
119	Effect of preparation methods on thermal properties of poly(acrylic acid)/silica composites. Journal of Applied Polymer Science, 1998, 70, 891-895.	2.6	19
120	Determination of the complex formation constants for some water-soluble polymers with trivalent metal ions by differential pulse polarography. Colloid and Polymer Science, 2004, 282, 1282-1285.	2.1	19
121	Spectroscopic and thermal studies of poly[(N-vinylimidazole)-co-(maleic acid)] hydrogel and its quaternized form. Polymer International, 2008, 57, 637-643.	3.1	19
122	Controlling the size and distribution of copper nanoparticles in double and triple polymer metal complexes by X-ray irradiation. Radiation Physics and Chemistry, 2014, 94, 62-65.	2.8	19
123	The effect of gel composition on the uranyl ions adsorption capacity of poly(N-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 2000, 77, 1037-1043.	2.6	18
124	RADIATION CROSSLINKED POLY(ACRYLAMIDE/2-HYDROXYPROPYL METHACRYLATE/MALEIC ACID) AND THEIR USABILITY IN THE UPTAKE OF URANIUM. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 969-990.	2.2	18
125	Adsorption of BSA onto radiation-crosslinked poly (AAm/HPMA/MA) terpolymers. Polymer Bulletin, 2003, 50, 183-190.	3.3	18
126	Glucose recognition capabilities of hydroxyethyl methacrylate-based hydrogels containing poly(ethylene glycol) chains. Journal of Applied Polymer Science, 2007, 103, 432-441.	2.6	18

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127	Positron annihilation lifetime spectroscopy of molecularly imprinted hydroxyethyl methacrylate based polymers. <i>Polymer</i> , 2007, 48, 2692-2699.	3.8	18
128	Enhancement of conductivity in polyaniline-[poly(vinylidene chloride)-co-(vinyl acetate)] blends by irradiation. <i>Radiation Physics and Chemistry</i> , 2011, 80, 153-158.	2.8	18
129	Preparation of multifunctional poly(acrylic acid)-poly(ethylene oxide) nanogels from their interpolymer complexes by radiation-induced intramolecular crosslinking. <i>Colloid and Polymer Science</i> , 2018, 296, 1599-1608.	2.1	18
130	Behaviors of Acrylamide/Maleic Acid Hydrogels in Uptake of Some Cationic Dyes from Aqueous Solutions. <i>Separation Science and Technology</i> , 1996, 31, 2359-2371.	2.5	17
131	Removal of some cationic dyes from aqueous solutions by acrylamide/itaconic acid hydrogels. <i>Water, Air, and Soil Pollution</i> , 1998, 106, 369-378.	2.4	17
132	Adsorption of Uranyl Ions into Poly(Acrylamide- <i>co</i> -Acrylic Acid) Hydrogels Prepared by Gamma Irradiation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 485-494.	2.2	17
133	Computational Design and Preparation of MIPs for Atrazine Recognition on a Conjugated Polymer-Coated Microtiter Plate. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13910-13916.	3.7	17
134	Preparation and characterization of glycidyl methacrylate grafted 4-amino-1,2,4-triazole modified nonwoven fiber adsorbent for environmental application. <i>Radiation Physics and Chemistry</i> , 2014, 94, 111-114.	2.8	17
135	Preparation and properties of some wood/(co)polymer composites. <i>Angewandte Makromolekulare Chemie</i> , 1999, 269, 30-35.	0.2	16
136	Conductometric and viscometric investigation of poly(N-vinylimidazole)-metal ion complex formation. <i>Journal of Applied Polymer Science</i> , 2002, 85, 376-384.	2.6	16
137	Synthesis and properties of radiation-induced acrylamide-acrylic acid hydrogels. <i>Journal of Applied Polymer Science</i> , 2002, 86, 3570-3580.	2.6	16
138	Radiation induced dehydrochlorination as an in-situ doping technique for enhancement of the conductivity of polyaniline blends. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 236, 153-159.	1.4	16
139	Preconcentration and matrix elimination for the determination of Pb(II), Cd(II), Ni(II), and Co(II) by 8-hydroxyquinoline anchored poly(styrene- <i>co</i> -vinylbenzene) microbeads. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2714-2722.	2.6	16
140	Ionizing radiation: a versatile tool for nanostructuring of polymers. <i>Pure and Applied Chemistry</i> , 2016, 88, 1049-1061.	1.9	16
141	A new specific metal ion chelated-poly(N-vinylimidazole) gel sorbents for albumin adsorption-desorption. <i>Macromolecular Symposia</i> , 2001, 169, 329-339.	0.7	15
142	Surface properties of binary blend films of poly(N-vinyl-2-pyrrolidone) and poly(vinyl alcohol) with sodium alginate. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 426-430.	2.1	15
143	Spatial Organization of a Metal- <i>Polymer Nanocomposite Obtained by the Radiation-Induced Reduction of Copper Ions in the Poly(Allylamine)-Poly(Acrylic Acid)-Cu²⁺ System.</i> <i>Mendeleev Communications</i> , 2012, 22, 211-212.	1.6	15
144	Enhancing compatibility between poly(lactic acid) and thermoplastic starch using admicellar polymerization. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	15

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145	Radiation-Synthesized Acrylamide/Crotonic Acid Hydrogels for Selective Mercury (II) Ion Adsorption. <i>Advances in Polymer Technology</i> , 2018, 37, 822-829.	1.7	15
146	Influence of some aromatic amino acids on the swelling behavior of acrylamide/maleic acid hydrogel. <i>Polymer Bulletin</i> , 1998, 40, 575-581.	3.3	14
147	Electrochemical, spectroscopic, and thermal studies on interactions of linear poly(acrylic acid) with uranyl ions in aqueous solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1610-1618.	2.1	14
148	Effect of type and concentration of surfactants on swelling behavior of poly[N-[3-(dimethylamino)propyl]methacrylamide-co- N,N-methylenebis(acrylamide)] hydrogels. <i>Colloid and Polymer Science</i> , 2005, 284, 258-265.	2.1	14
149	Modification of PET Ion-Track Membranes by Silica Nanoparticles for Direct Contact Membrane Distillation of Salt Solutions. <i>Membranes</i> , 2020, 10, 322.	3.0	14
150	Modification of polystyrene cell-culture-dish surfaces by consecutive grafting of poly(acrylamide)/poly(N-isopropylacrylamide) via reversible addition-fragmentation chain transfer-mediated polymerization. <i>European Polymer Journal</i> , 2021, 147, 110330.	5.4	14
151	Radiation-Assisted Synthesis of Polymer-Based Nanomaterials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7913.	2.5	14
152	Radiation synthesis and characterization of N-vinyl-2-pyrrolidone/N-allylthiourea hydrogels and their use in the adsorption of invertase. <i>Angewandte Makromolekulare Chemie</i> , 1998, 257, 1-6.	0.2	13
153	Characterization of network structure of poly(N-vinyl 2-pyrrolidone/acrylic acid) polyelectrolyte hydrogels by swelling measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 3309-3317.	2.1	13
154	The formation of interpolymer complexes and hydrophilic associates of poly(acrylic acid) and non-ionic copolymers based on 2-hydroxyethylacrylate in aqueous solutions. <i>Polymer International</i> , 2013, 62, 1310-1315.	3.1	13
155	Radiation-induced controlled polymerization of acrylic acid by RAFT and RAFT-MADIX methods in protic solvents. <i>Radiation Physics and Chemistry</i> , 2018, 142, 82-87.	2.8	13
156	Effect of brush length of stabilizing grafted matrix on size and catalytic activity of metal nanoparticles. <i>European Polymer Journal</i> , 2020, 134, 109811.	5.4	13
157	Green and Facile Synthesis of Pullulan-Stabilized Silver and Gold Nanoparticles for the Inhibition of Quorum Sensing. <i>ACS Applied Bio Materials</i> , 2022, 5, 517-527.	4.6	13
158	Molecularly imprinted poly(N-vinyl imidazole) based polymers grafted onto nonwoven fabrics for recognition/removal of phloretic acid. <i>Radiation Physics and Chemistry</i> , 2014, 94, 93-97.	2.8	12
159	Effect of γ -irradiation dose for the oxygen diffusion into polymers. <i>Journal of Applied Polymer Science</i> , 1997, 64, 1291-1294.	2.6	11
160	Improvement of mechanical stability of beechwood by radiation-induced in situ copolymerization of allyl glycidyl ether with acrylonitrile and methyl methacrylate. <i>Journal of Applied Polymer Science</i> , 1999, 71, 1515-1523.	2.6	11
161	Comparison of pre-irradiation and mutual grafting of 2-chloroacrylonitrile on cellulose by gamma-irradiation. <i>Radiation Physics and Chemistry</i> , 2010, 79, 250-254.	2.8	11
162	Detailed positron annihilation lifetime spectroscopic investigation of atrazine imprinted polymers grafted onto PE/PP nonwoven fabrics. <i>Journal of Molecular Recognition</i> , 2018, 31, e2676.	2.1	11

#	ARTICLE	IF	CITATIONS
163	Title is missing!. Angewandte Makromolekulare Chemie, 1993, 207, 101-109.	0.2	10
164	Comparison of the dimensional stabilities of oak and cedar wood preserved by in situ copolymerization of allyl glycidyl ether with acrylonitrile and methyl methacrylate. Angewandte Makromolekulare Chemie, 1998, 259, 33-37.	0.2	10
165	Surface free energy analysis of vinyl triethoxy silane-methyl methacrylate copolymers and their homopolymer blends. Journal of Applied Polymer Science, 1998, 69, 1551-1556.	2.6	10
166	Thermodynamics of adsorption of uranyl ions onto amidoximated poly(acrylonitrile)/poly(N-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Physics, 2004, 42, 986-993.	2.1	10
167	Swelling behavior of poly{N-[3-(dimethylaminopropyl)] methacrylamide-co-acrylamide} hydrogels in aqueous solutions of surfactants. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1645-1652.	2.1	10
168	Gamma radiation induced synthesis of poly(N-isopropylacrylamide) mediated by Reversible Addition-fragmentation Chain Transfer (RAFT) process. Radiation Physics and Chemistry, 2015, 112, 76-82.	2.8	10
169	Preparation and detailed structural characterization of Penicillin G imprinted polymers by PALS and XPS. Radiation Physics and Chemistry, 2019, 159, 174-180.	2.8	10
170	Radiation induced in-situ synthesis of membranes for removal of 2,4-dichlorophenoxy acetic acid from real water samples. Radiation Physics and Chemistry, 2020, 171, 108708.	2.8	10
171	Size Exclusion Chromatography of Poly(ethylene glycol). British Polymer Journal, 1986, 18, 391-393.	0.7	9
172	The copolymerization of allyl glycidyl ether with acrylonitrile initiated by gamma-rays. Journal of Polymer Science Part A, 1996, 34, 833-838.	2.3	9
173	The effect of preparation methods on the thermal properties of poly(acrylic acid) / alumina composites. Polymer Composites, 1998, 19, 193-197.	4.6	9
174	Tunable fluorescent and antimicrobial properties of poly(vinyl amine) affected by the acidic or basic hydrolysis of poly(N-vinylformamide). Journal of Applied Polymer Science, 2021, 138, 51234.	2.6	9
175	Fourier transform infrared-photoacoustic spectroscopy of poly (N-butyl methacrylate) adsorbed from solution on alumina. Journal of Applied Polymer Science, 1998, 69, 1669-1674.	2.6	8
176	The synthesis of nonporous poly(isobutyl methacrylate) microspheres by suspension polymerization technique and investigation of their swelling properties. Journal of Applied Polymer Science, 2002, 83, 349-356.	2.6	8
177	Novel hydrophobic macromonomers for potential amphiphilic block copolymers. Polymer Bulletin, 2018, 75, 47-60.	3.3	8
178	UV-Induced Electrical and Optical Changes in PVC Blends. Monatshefte F¼r Chemie, 2001, 132, 185-192.	1.8	7
179	Treatment of Water Contaminated with Chlorinated Organic Herbicide 2,4-D by an Ozone/Gamma Process. Ozone: Science and Engineering, 2011, 33, 50-65.	2.5	7
180	Functionalization of poly(ester-urethane) surface by radiation-induced grafting of N-isopropylacrylamide using conventional and reversible addition-fragmentation chain transfer-mediated methods. Polymer International, 2016, 65, 192-199.	3.1	7

#	ARTICLE	IF	CITATIONS
181	Investigation of the effect of titanium dioxide and clay grafted with glycidyl methacrylate by gamma radiation on the properties of EVA flexible films. Radiation Physics and Chemistry, 2020, 169, 107973.	2.8	7
182	Generation of spatially ordered metalâ€“polymer nanostructures in the irradiated dispersions of poly(acrylic acid)â€“poly(vinylimidazole)â€“Cu ²⁺ complexes. Colloid and Polymer Science, 2020, 298, 193-202.	2.1	7
183	Synthesis of well-defined molecularly imprinted bulk polymers for the removal of azo dyes from water resources. Current Research in Green and Sustainable Chemistry, 2021, 4, 100196.	5.6	7
184	Electrical conductivity and spectroscopic characterization of Blends of poly(2-chloroaniline)/polyaniline P(2ClANI)/PANI copolymer with PVC exposed to gamma-rays. Radiation Physics and Chemistry, 2014, 94, 45-48.	2.8	6
185	Preparation and characterization of poly(ethylene-vinyl acetate) based nanocomposites using radiation-modified montmorillonite. Radiation Physics and Chemistry, 2020, 169, 107844.	2.8	6
186	Preparation of poly(tert-butyl acrylate)â€“poly(acrylic acid) amphiphilic copolymers via radiationâ€“induced reversible additionâ€“fragmentation chain transfer mediated polymerization of tert-butyl acrylate. Polymer International, 2020, 69, 693-701.	3.1	6
187	Poly(vinyl amine) microparticles derived from N-Vinylformamide and their versatile use. Polymer Bulletin, 2022, 79, 7729-7751.	3.3	6
188	On the gelation of aqueous poly(ethylene oxide) solutions with γ -rays. Die Makromolekulare Chemie, 1979, 180, 847-850.	1.1	5
189	The Effect of Uncertainties in the Kuhn-Mark-Houwink-Sakurada Constants on the Quantitative Analysis by Gel Permeation Chromatography. British Polymer Journal, 1986, 18, 112-114.	0.7	5
190	Radiation-induced molecular imprinting of d-glucose onto poly(2-hydroxyethyl methacrylate) matrices using various crosslinking agents. Radiation Physics and Chemistry, 2010, 79, 219-222.	2.8	5
191	The effect of environmental humidity on radiation-induced degradation of carrageenans. Carbohydrate Polymers, 2014, 114, 546-552.	10.2	5
192	Contribution of associogenic end groups in the radiation crosslinking of extended chain samples of poly(ethylene glycol). Journal of Polymer Science Part A, 1992, 30, 2055-2057.	2.3	4
193	Factors affecting the complexation of polyacrylic acid with uranyl ions in aqueous solutions: A luminescence study. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2737-2744.	2.1	4
194	Lifetime prediction of carboxyl-terminated polybutadiene (CTPB). Journal of Applied Polymer Science, 1991, 42, 153-158.	2.6	3
195	Radiation induced in-situ generation of conductivity in the blends of polyaniline-base with chlorinated-polyisoprene. Radiation Physics and Chemistry, 2010, 79, 343-346.	2.8	3
196	Poly(Vinylamine) Derived N-Doped C-Dots with Antimicrobial and Antibiofilm Activities. Journal of Carbon Research, 2021, 7, 40.	2.7	3
197	Synthesis and characterization of poly(vinyl sulfonic acid) in different pH values. Polymer Bulletin, 2023, 80, 3005-3020.	3.3	3
198	ESR studies of molecular motions at the interphase region of a blendlike polymeric material. Journal of Applied Polymer Science, 1994, 52, 1539-1547.	2.6	2

#	ARTICLE	IF	CITATIONS
199	Determination of Kinetic Parameters of Ethyl Methacrylate Polymerization Initiated by the Redox Pair SO ₂ -tert-Butyl Hydroperoxide. Journal of Macromolecular Science - Pure and Applied Chemistry, 1996, 33, 1653-1661.	2.2	2
200	Gamma-rays induced copolymerization of vinyl triethoxy silane and methyl methacrylate: Their spectroscopic characterization. Journal of Applied Polymer Science, 1999, 73, 141-147.	2.6	2
201	Adsorption of Bovine Serum Albumin onto Radiation-Crosslinked Poly(Acrylamide/Acrylic Acid). Adsorption Science and Technology, 2004, 22, 311-325.	3.2	2
202	A comprehensive study on the size exclusion chromatography of kappa-carrageenan for the identification of after-peaks. Journal of Applied Polymer Science, 2013, 127, 494-499.	2.6	2
203	Swelling studies of copolymeric acrylamide/crotonic acid hydrogels as carriers for agricultural uses. Polymers for Advanced Technologies, 2000, 11, 59-68.	3.2	2
204	Radiation Induced Superabsorbent Hydrogels. Acrylamide/Itaconic Acid Copolymers. Macromolecular Materials and Engineering, 2001, 286, 34-42.	3.6	2
205	Radiolytic degradation of carbaryl in aqueous solution by gamma-irradiation/H ₂ O ₂ process. Applied Radiation and Isotopes, 2022, 184, 110210.	1.5	2
206	Improvement of the mechanical stability of oak by radiation-induced in-situ copolymerization of allyl glycidyl ether with acrylonitrile and methyl methacrylate. Angewandte Makromolekulare Chemie, 1998, 257, 13-18.	0.2	1
207	The preparation of ultra narrow molecular weight distribution poly(ethylene glycol)s by fractional crystallization from solution. Journal of Applied Polymer Science, 2001, 79, 1999-2005.	2.6	1
208	Fourier transform infrared photoacoustic studies of the adsorption behavior of poly(2-hydroxypropyl methacrylate) at solid-liquid interface. Journal of Applied Polymer Science, 2002, 85, 2750-2756.	2.6	1
209	Fourier transform infrared photoacoustic spectroscopy of poly (N-butyl methacrylate) adsorbed from solution on alumina. Journal of Applied Polymer Science, 1998, 69, 1669-1674.	2.6	1
210	The prospects for radiation technology in mitigating carbon footprint. Radiation Physics and Chemistry, 2022, 198, 110282.	2.8	1
211	Free radical polymerization of allylamine in different acidic media. Polymers and Polymer Composites, 2022, 30, 096739112211035.	1.9	1
212	Spectroscopic, thermal, and mechanical characterization of carboxyl-terminated polybutadiene-based carbon black-filled networks. Journal of Applied Polymer Science, 1997, 66, 355-366.	2.6	0
213	Mechanical properties and water vapor permeation of vinyltriethoxysilane/methyl methacrylate copolymers. Angewandte Makromolekulare Chemie, 1998, 259, 73-76.	0.2	0
214	The preservation of Çankiri limestone in sulfur dioxide atmosphere by in situ polymerization of ethyl methacrylate. Journal of Applied Polymer Science, 1998, 69, 1761-1764.	2.6	0
215	The effect of high molecular weight polyacrylamide on the sedimentation behavior of kaolin in the presence of hydroquinone. Macromolecular Materials and Engineering, 2000, 283, 76-80.	3.6	0
216	Characterization of Network Structure of Polyacrylamide Based Hydrogels Prepared By Radiation Induced Polymerization. AIP Conference Proceedings, 2007, , .	0.4	0

#	ARTICLE	IF	CITATIONS
217	Nanogel Synthesis by Irradiation of Aqueous Polymer Solutions. , 2021, , 167-202.		0