Dursun Saraydin

List of Publications by Year
in descending order

82	2,843	136950	182427
papers	citations	32 h-index	51 g-index

82	82	82	1992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calculations of the magnitude of responsivities in pH-, temperature- and ion- responsive hydrogels. Materials Today Communications, 2022, 31, 103253.	1.9	4
2	Effects of diabetes on apoptosis and mitosis in rat hippocampus. Biotechnic and Histochemistry, 2021, 96, 460-467.	1.3	8
3	Nanocomposite smart hydrogel based on sepiolite nanochannels/N-isopropyl acrylamide/itaconic acid/acrylamide for invertase immobilization. Polymer-Plastics Technology and Materials, 2021, 60, 25-36.	1.3	3
4	Smart Hydrogels: Preparation, Characterization, and Determination of Transition Points of Crosslinked N-Isopropyl Acrylamide/Acrylamide/Carboxylic Acids Polymers. Gels, 2021, 7, 113.	4.5	8
5	A study of digital image analysis on the acrylamide derivative monomers induced apoptosis in rat cerebrum. Microscopy Research and Technique, 2020, 83, 436-445.	2.2	7
6	A digital image analysis study on the disintegration kinetics of reticular fibers in the ethylene glycolâ€induced rat liver tissue. Microscopy Research and Technique, 2020, 83, 1585-1593.	2.2	1
7	Poly(acrylamide/vinylsulfonic acid) hydrogel for invertase immobilization. Microscopy Research and Technique, 2020, 83, 1487-1498.	2.2	12
8	Preparation and Characterization of Molecular Imprinted Polymer for the Selective Recognition of Serotonin. Chemistry and Chemical Technology, 2020, 14, 195-204.	1.1	1
9	Stimuli Responsive Hydrogels: NIPAM/AAm/Carboxylic Acid Polymers. Acta Chemica Iasi, 2019, 27, 155-184.	0.1	5
10	Radiationâ€Synthesized Acrylamide/Crotonic Acid Hydrogels for Selective Mercury (<scp>II</scp>) Ion Adsorption. Advances in Polymer Technology, 2018, 37, 822-829.	1.7	15
11	Adsorption of phenazine dyes using poly(hydroxamic acid) hydrogels from aqueous solutions. Polymer Engineering and Science, 2018, 58, 310-318.	3.1	8
12	A Study on the Correlation Between Adsorption and Swelling for Poly(Hydroxamic Acid) Hydrogels-Triarylmethane Dyes Systems. Journal of Polymers and the Environment, 2018, 26, 3924-3936.	5.0	23
13	The Properties of Immobilized Invertase Onto a New Support Material; Poly(Methacrylamide/Maleic) Tj ETQq1 1 0.784314 rgBT /Overlo	0.1	2
14	Influence of Concentrations of Methacrylate and Acrylate Monomers on the Properties of Fiber Reinforced Polymethyl Methacrylate Denture Base Materials. Acta Chemica Iasi, 2018, 26, 329-350.	0.1	5
15	Synthesis of New Molecular Imprinted Polymer for Highly Recognition of Cholic Acid. Acta Chemica Iasi, 2018, 26, 123-152.	0.1	0
16	Radiation-Induced Acrylamide/4-Vinyl Pyridine Biocidal Hydrogels: Synthesis, Characterization, and Antimicrobial Activities. Polymer-Plastics Technology and Engineering, 2017, 56, 1295-1306.	1.9	6
17	In vitro swelling studies in simulated physiological solutions and biocompatibility of NIPAM-based hydrogels with some biochemical parameters of human sera. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 452-457.	2.2	5
18	The Effects of Monomers Used in Polymeric Biomaterials on Renal Tissue. International Journal of Morphology, 2017, 35, 1203-1208.	0.2	2

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19	Full Factorial Design Approach to Hg(II) Adsorption onto Hydrogels. Arabian Journal for Science and Engineering, 2015, 40, 109-116.	1.1	16
20	Environmentally sensitive hydrogels: Nâ€isopropyl acrylamide/Acrylamide/ Monoâ€; Diâ€; Tricarboxylic acid crosslinked polymers. Polymer Engineering and Science, 2015, 55, 843-851.	3.1	26
21	The Removal of Textile Dyes with Cross-Linked Chitosan-Poly(acrylamide) Adsorbent Hydrogels. Polymer-Plastics Technology and Engineering, 2011, 50, 1247-1255.	1.9	25
22	Poly(acrylamide/maleic acid)â€“sepiolite composite hydrogels for immobilization of invertase. Polymer Bulletin, 2010, 64, 27-40.	3.3	14
23	Acrylamideâ€“Sepiolite Based Composite Hydrogels for Immobilization of Invertase. Journal of Food Science, 2009, 74, N45-9.	3.1	10
24	Preparation of Cu(II) adsorbed chitosan beads for catalase immobilization. Food Chemistry, 2009, 114, 962-969.	8.2	79
25	Polyelectrolyte CASA hydrogels for uptake of uranyl ions from aqueous solutions. Journal of Applied Polymer Science, 2007, 104, 200-204.	2.6	24
26	Immobilization of catalase onto chitosan and cibacron blue F3GA attached chitosan beads. Enzyme and Microbial Technology, 2007, 41, 447-454.	3.2	43
27	Interpenetrating polymeric network hydrogels for potential gastrointestinal drug release. Polymer International, 2007, 56, 1371-1377.	3.1	58
28	Swelling Characterization of Polyelectrolyte Poly(Hydroxamic Acid) Hydrogels in Aqueous Thiazin Dye Solutions. Polymer-Plastics Technology and Engineering, 2006, 45, 729-734.	1.9	9
29	Poly(Acrylamide-Sepiolite) Composite Hydrogels: Preparation, Swelling and Dye Adsorption Properties. Polymer Bulletin, 2006, 57, 231-241.	3.3	72
30	Swelling characterization of gamma-radiation induced crosslinked acrylamide/maleic acid hydrogels in urea solutions. Materials & Design, 2006, 27, 576-584.	5.1	25
31	Dynamic swelling behavior of Î³-radiation induced polyelectrolyte poly(AAm-co-CA) hydrogels in urea solutions. International Journal of Pharmaceutics, 2005, 301, 102-111.	5.2	41
32	Water uptake in chemically crosslinked poly(acrylamide-co-crotonic acid) hydrogels. Materials & Design, 2005, 26, 265-270.	5.1	52
33	Adsorption of Bovine Serum Albumin onto Radiation-Crosslinked Poly(Acrylamide/Acrylic Acid). Adsorption Science and Technology, 2004, 22, 311-325.	3.2	2
34	In vivo biocompatibility of radiation crosslinked acrylamide copolymers. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 281-292.	1.4	29
35	Water absorbency studies of Î³-radiation crosslinked poly(acrylamide-co-2,3-dihydroxybutanedioic acid) hydrogels. Nuclear Instruments & Methods in Physics Research B, 2004, 225, 489-496.	1.4	41
36	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

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37	Synthesis, Characterization and Evaluation of IPN Hydrogels for Antibiotic Release. Drug Delivery, 2004, 11, 381-388.	5.7	59
38	Adsorption of BSA onto radiation-crosslinked poly (AAm/HPMA/MA) terpolymers. Polymer Bulletin, 2003, 50, 183-190.	3.3	18
39	Immobilization of Saccharomyces cerevisiae on to acrylamideâ€“sodium acrylate hydrogels for production of ethyl alcohol. Enzyme and Microbial Technology, 2003, 32, 114-119.	3.2	35
40	Adsorption of methyl violet in aqueous solutions by poly(acrylamide-co-acrylic acid) hydrogels. Radiation Physics and Chemistry, 2003, 66, 117-127.	2.8	82
41	Adsorption of Some Textile Dyes onto Crosslinked Poly(N-Vinylpyrrolidone). Adsorption Science and Technology, 2003, 21, 651-659.	3.2	20
42	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
43	In vitro dynamic swelling behaviors of radiation synthesized polyacrylamide with crosslinkers in the simulated physiological body fluids. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 340-344.	1.4	24
44	Swelling studies of super water retainer acrylamide/crotonic acid hydrogels crosslinked by trimethylolpropane triacrylate and 1,4-butanediol dimethacrylate. Polymer Bulletin, 2002, 48, 299-307.	3.3	76
45	Immobilization of Saccharomyces cerevisiae on to radiation crosslinked HEMA/AAm hydrogels for production of ethyl alcohol. Process Biochemistry, 2002, 37, 651-657.	3.7	11
46	The use of immobilized Saccharomyces cerevisiae on radiation crosslinked acrylamideâ€“maleic acid hydrogel carriers for production of ethyl alcohol. Process Biochemistry, 2002, 37, 1351-1357.	3.7	19
47	Swelling equilibria and dye adsorption studies of chemically crosslinked superabsorbent acrylamide/maleic acid hydrogels. European Polymer Journal, 2002, 38, 2133-2141.	5.4	195
48	Title is missing!. Journal of Materials Science, 2002, 37, 3217-3223.	3.7	18
49	pH-Sensitive Chitosan Films for Baker's Yeast Immobilization. Applied Biochemistry and Biotechnology, 2002, 101, 239-250.	2.9	14
50	Poly(hydroxamic acid) hydrogels from poly(acrylamide): preparation and characterization. Polymer Bulletin, 2001, 47, 71-79.	3.3	16
51	Uranyl ion binding properties of poly(hydroxamic acid) hydrogels. Polymer Bulletin, 2001, 47, 81-89.	3.3	48
52	In vitro dynamic swelling behaviors of polyhydroxamic acid hydrogels in the simulated physiological body fluids. Polymer Bulletin, 2001, 46, 91-98.	3.3	38
53	Nicotine-selective radiation-induced poly(acrylamide/maleic acid) hydrogels. Radiation Physics and Chemistry, 2001, 60, 203-210.	2.8	37
54	Use of superswelling acrylamide/maleic acid hydrogels for monovalent cationic dye adsorption. Journal of Applied Polymer Science, 2001, 79, 1809-1815.	2.6	51

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55	Radiation Induced Superabsorbent Hydrogels. Acrylamide/Itaconic Acid Copolymers. Macromolecular Materials and Engineering, 2001, 286, 34-42.	3.6	102
56	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
57	In vivo biocompatibility of radiation induced acrylamide and acrylamide/maleic acid hydrogels. Journal of Materials Science, 2001, 36, 2473-2481.	3.7	21
58	Radiation Induced Superabsorbent Hydrogels. Acrylamide/Itaconic Acid Copolymers. Macromolecular Materials and Engineering, 2001, 286, 34-42.	3.6	2
59	Swelling studies of copolymeric acrylamide/crotonic acid hydrogels as carriers for agricultural uses. Polymers for Advanced Technologies, 2000, 11, 59-68.	3.2	92
60	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
61	Binding of some dyes onto crosslinked poly (N-vinylpyrrolidone). Polymer Bulletin, 2000, 44, 501-508.	3.3	11
62	Swelling studies of copolymeric acrylamide/crotonic acid hydrogels as carriers for agricultural uses. Polymers for Advanced Technologies, 2000, 11, 59-68.	3.2	2
63	A review on the radiation synthesis of copolymeric hydrogels for adsorption and separation purposes. Radiation Physics and Chemistry, 1999, 56, 381-386.	2.8	130
64	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
65	Removal of some cationic dyes from aqueous solutions by acrylamide/itaconic acid hydrogels. Water, Air, and Soil Pollution, 1998, 106, 369-378.	2.4	17
66	Influence of some aromatic amino acids on the swelling behavior of acrylamide/maleic acid hydrogel. Polymer Bulletin, 1998, 40, 575-581.	3.3	14
67	Swelling and dye adsorption properties of radiation induced N -vinyl-2-pyrrolidone/acrylonitrile hydrogels. Polymer Bulletin, 1998, 41, 371-378.	3.3	61
68	The releases of agrochemicals from radiation induced acrylamide/crotonic acid hydrogels. Polymer Bulletin, 1998, 41, 577-584.	3.3	45
69	Super Water-Retainer Hydrogels: Crosslinked Acrylamide/Succinic Acid Copolymers. Polymer Journal, 1997, 29, 631-636.	2.7	29
70	Interaction of nicotine and its pharmaceutical derivatives with acrylamide/itaconic acid hydrogels. Journal of Applied Polymer Science, 1997, 66, 733-739.	2.6	19
71	Cationic dye adsorption by acrylamide/itaconic acid hydrogels in aqueous solutions. Polymers for Advanced Technologies, 1997, 8, 574-578.	3.2	26
72	Interaction of some cationic dyes with acrylamide/itaconic acid hydrogels. Journal of Applied Polymer Science, 1996, 61, 2367-2372.	2.6	55

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73	In vitro swelling studies and preliminary biocompatibility evaluation of acrylamide-based hydrogels. Biomaterials, 1996, 17, 67-70.	11.4	121
74	Adsorption of Some Basic Dyes by Acrylamide-Maleic Acid Hydrogels. Separation Science and Technology, 1996, 31, 423-434.	2.5	40
75	Behaviors of Acrylamide/Maleic Acid Hydrogels in Uptake of Some Cationic Dyes from Aqueous Solutions. Separation Science and Technology, 1996, 31, 2359-2371.	2.5	17
76	Acrylamide/maleic acid hydrogels. Polymers for Advanced Technologies, 1995, 6, 719-726.	3.2	84
77	Preparation of acrylamide/maleic acid hydrogels and their biocompatibility with some biochemical parameters of human serum. Radiation Physics and Chemistry, 1995, 46, 1049-1052.	2.8	32
78	Adsorptions of Some Heavy Metal Ions in Aqueous Solutions by Acrylamide/Maleic Acid Hydrogels. Separation Science and Technology, 1995, 30, 3287-3298.	2.5	81
79	Behaviors of Acrylamide/Itaconic Acid Hydrogels in Uptake of Uranyl Ions from Aqueous Solutions. Separation Science and Technology, 1995, 30, 3747-3760.	2.5	98
80	Adsorption of bovine serum albumin to acrylamideâ€“itaconic acid hydrogels. Polymers for Advanced Technologies, 1994, 5, 664-668.	3.2	51
81	Adsorption of bovine serum albumin onto acrylamidâ€”maleic acid hydrogels. Biomaterials, 1994, 15, 917-920.	11.4	62
82	Kinetic investigation of some steroids by thermogravimetry. Journal of Thermal Analysis, 1990, 36, 733-742.	0.6	2