GÃ¼lay BayramoÄlu

List of Publications by Year
in descending order

167 papers	9,161 citations	28274 55 h-index	51608 86 g-index
167 all docs	167 docs citations	167 times ranked	8305 citing authors

#	Article	IF	Citations
1	Adsorption kinetics and thermodynamic parameters of cationic dyes from aqueous solutions by using a new strong cation-exchange resin. Chemical Engineering Journal, 2009, 152, 339-346.	12.7	325
2	Equilibrium and kinetic studies on biosorption of Hg(II), Cd(II) and Pb(II) ions onto microalgae Chlamydomonas reinhardtii. Journal of Environmental Management, 2005, 77, 85-92.	7.8	241
3	Enzymatic removal of phenol and p-chlorophenol in enzyme reactor: Horseradish peroxidase immobilized on magnetic beads. Journal of Hazardous Materials, 2008, 156, 148-155.	12.4	217
4	Biosorption of mercury(II), cadmium(II) and lead(II) ions from aqueous system by microalgae Chlamydomonas reinhardtii immobilized in alginate beads. International Journal of Mineral Processing, 2006, 81, 35-43.	2.6	216
5	Biosorption of heavy metal ions on immobilized white-rot fungus Trametes versicolor. Journal of Hazardous Materials, 2003, 101, 285-300.	12.4	200
6	Biosorption of Hg2+, Cd2+, and Zn2+ by Ca-alginate and immobilized wood-rotting fungus Funalia trogii. Journal of Hazardous Materials, 2004, 109, 191-199.	12.4	171
7	Removal of heavy mercury(II), cadmium(II) and zinc(II) metal ions by live and heat inactivated Lentinus edodes pellets. Chemical Engineering Journal, 2008, 143, 133-140.	12.7	159
8	Construction a hybrid biosorbent using Scenedesmus quadricauda and Ca-alginate for biosorption of Cu(II), Zn(II) and Ni(II): Kinetics and equilibrium studies. Bioresource Technology, 2009, 100, 186-193.	9.6	144
9	Immobilization of laccase onto spacer-arm attached non-porous poly(GMA/EGDMA) beads: Application for textile dye degradation. Bioresource Technology, 2009, 100, 665-669.	9.6	144
10	Utilisation of native, heat and acid-treated microalgae Chlamydomonas reinhardtii preparations for biosorption of Cr(VI) ions. Process Biochemistry, 2005, 40, 2351-2358.	3.7	143
11	Biosorption of benzidine based textile dyes â€œDirect Blue 1 and Direct Red 128â€•using native and heat-treated biomass of Trametes versicolor. Journal of Hazardous Materials, 2007, 143, 135-143.	12.4	138
12	Biosorption of Reactive Blue 4 dye by native and treated fungus Phanerocheate chrysosporium: Batch and continuous flow system studies. Journal of Hazardous Materials, 2006, 137, 1689-1697.	12.4	137
13	Synthesis of Cr(VI)-imprinted poly(4-vinyl pyridine-co-hydroxyethyl methacrylate) particles: Its adsorption propensity to Cr(VI). Journal of Hazardous Materials, 2011, 187, 213-221.	12.4	134
14	Biosorption of Reactive Red-120 dye from aqueous solution by native and modified fungus biomass preparations of Lentinus sajor-caju. Journal of Hazardous Materials, 2007, 149, 499-507.	12.4	122
15	Immobilization of a thermostable Î±-amylase onto reactive membranes: kinetics characterization and application to continuous starch hydrolysis. Food Chemistry, 2004, 84, 591-599.	8.2	121
16	Ca-alginate as a support for Pb(II) and Zn(II) biosorption with immobilized Phanerochaete chrysosporium. Carbohydrate Polymers, 2003, 52, 167-174.	10.2	120
17	Cr(VI) biosorption from aqueous solutions using free and immobilized biomass of Lentinus sajor-caju: preparation and kinetic characterization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 253, 203-211.	4.7	119
18	MCM-41 silica particles grafted with polyacrylonitrile: Modification in to amidoxime and carboxyl groups for enhanced uranium removal from aqueous medium. Microporous and Mesoporous Materials, 2016, 226, 117-124.	4.4	117

#	ARTICLE	IF	CITATIONS
19	Modification of surface properties of mycelia by physical and chemical methods: evaluation of their Cr removal efficiencies from aqueous medium. Journal of Hazardous Materials, 2005, 119, 219-229.	12.4	112
20	Pathogen detection in complex samples by quartz crystal microbalance sensor coupled to aptamer functionalized coreâ€“shell type magnetic separation. Analytica Chimica Acta, 2015, 853, 533-540.	5.4	110
21	Studies on accumulation of uranium by fungus Lentinus sajor-caju. Journal of Hazardous Materials, 2006, 136, 345-353.	12.4	109
22	Covalent immobilisation of invertase onto a reactive film composed of 2-hydroxyethyl methacrylate and glycidyl methacrylate: properties and application in a continuous flow system. Biochemical Engineering Journal, 2003, 14, 117-126.	3.6	105
23	Preparation and characterization of epoxy-functionalized magnetic chitosan beads: laccase immobilized for degradation of reactive dyes. Bioprocess and Biosystems Engineering, 2010, 33, 439-448.	3.4	105
24	Reversible immobilization of laccase to poly(4-vinylpyridine) grafted and Cu(II) chelated magnetic beads: Biodegradation of reactive dyes. Bioresource Technology, 2010, 101, 6615-6621.	9.6	103
25	Immobilization of laccase onto poly(glycidylmethacrylate) brush grafted poly(hydroxyethylmethacrylate) films: Enzymatic oxidation of phenolic compounds. Materials Science and Engineering C, 2009, 29, 1990-1997.	7.3	99
26	Immobilization of Î²-galactosidase onto magnetic poly(GMAâ€“MMA) beads for hydrolysis of lactose in bed reactor. Catalysis Communications, 2007, 8, 1094-1101.	3.3	97
27	Biosorption of phenol and 2-chlorophenol by Funalia trogii pellets. Bioresource Technology, 2009, 100, 2685-2691.	9.6	97
28	Immobilization of tyrosinase on modified diatom biosilica: Enzymatic removal of phenolic compounds from aqueous solution. Journal of Hazardous Materials, 2013, 244-245, 528-536.	12.4	97
29	Reversible immobilization of tyrosinase onto polyethyleneimine-grafted and Cu(II) chelated poly(HEMA-co-GMA) reactive membranes. Journal of Molecular Catalysis B: Enzymatic, 2004, 27, 255-265.	1.8	90
30	Immobilization of lipase onto spacer-arm attached poly(GMA-HEMA-EGDMA) microspheres. Food Chemistry, 2005, 92, 261-268.	8.2	89
31	Covalent immobilization of chloroperoxidase onto magnetic beads: Catalytic properties and stability. Biochemical Engineering Journal, 2008, 38, 180-188.	3.6	89
32	Preparation of nanofibrous polymer grafted magnetic poly(GMA-MMA)-g-MAA beads for immobilization of trypsin via adsorption. Biochemical Engineering Journal, 2008, 40, 262-274.	3.6	89
33	Characterisation of tyrosinase immobilised onto spacer-arm attached glycidyl methacrylate-based reactive microbeads. Process Biochemistry, 2004, 39, 2007-2017.	3.7	85
34	Ethylenediamine grafted poly(glycidylmethacrylate-co-methylmethacrylate) adsorbent for removal of chromate anions. Separation and Purification Technology, 2005, 45, 192-199.	7.9	82
35	Invertase reversibly immobilized onto polyethylenimine-grafted poly(GMAâ€“MMA) beads for sucrose hydrolysis. Journal of Molecular Catalysis B: Enzymatic, 2006, 38, 131-138.	1.8	82
36	Affinity dyeâ€“ligand poly(hydroxyethyl methacrylate)/chitosan composite membrane for adsorption lysozyme and kinetic properties. Biochemical Engineering Journal, 2003, 13, 35-42.	3.6	76

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37	Study of polyethyleneimine- and amidoxime-functionalized hybrid biomass of Spirulina (Arthrospira) platensis for adsorption of uranium (VI) ion. Environmental Science and Pollution Research, 2015, 22, 17998-18010.	5.3	75
38	Separation and purification of lysozyme by Reactive Green 19 immobilised membrane affinity chromatography. Food Chemistry, 2005, 89, 11-18.	8.2	74
39	Kinetics of mercury ions removal from synthetic aqueous solutions using by novel magnetic p(GMA-MMA-EGDMA) beads. Journal of Hazardous Materials, 2007, 144, 449-457.	12.4	74
40	Affinity membrane chromatography: relationship of dye-ligand type to surface polarity and their effect on lysozyme separation and purification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 805, 315-323.	2.3	73
41	Reversible immobilization of Candida rugosa lipase on fibrous polymer grafted and sulfonated p(HEMA/EGDMA) beads. Bioprocess and Biosystems Engineering, 2010, 33, 227-236.	3.4	72
42	Procion Brown MX-5BR attached and Lewis metals ion-immobilized poly(hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (me characterization. Chemical Engineering Science, 2002, 57, 2323-2334.	3.8	71
43	Single-Step Purification of Recombinant Thermus aquaticus DNA Polymerase Using DNA-Aptamer Immobilized Novel Affinity Magnetic Beads. Biotechnology Progress, 2007, 23, 146-154.	2.6	69
44	Covalent immobilization of lipase onto amine functionalized polypropylene membrane and its application in green apple flavor (ethyl valerate) synthesis. Process Biochemistry, 2011, 46, 372-378.	3.7	68
45	Immobilized lipase on micro-porous biosilica for enzymatic transesterification of algal oil. Chemical Engineering Research and Design, 2015, 95, 12-21.	5.6	67
46	Rapid and label-free detection of Brucella melitensis in milk and milk products using an aptasensor. Talanta, 2019, 200, 263-271.	5.5	67
47	Removal of bisphenol A from aqueous medium using molecularly surface imprinted microbeads. Chemosphere, 2016, 150, 275-284.	8.2	66
48	Biosorption of uranium(VI) by free and entrapped Chlamydomonas reinhardtii: kinetic, equilibrium and thermodynamic studies. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1993-2003.	1.5	65
49	Procion Green H-4G immobilized on a new IPN hydrogel membrane composed of poly(2-hydroxyethylmethacrylate)/chitosan: preparation and its application to the adsorption of lysozyme. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 202, 41-52.	4.7	64
50	Staphylococcus aureus detection in blood samples by silica nanoparticle-oligonucleotides conjugates. Biosensors and Bioelectronics, 2016, 86, 27-32.	10.1	64
51	Adsorption of Congo Red dye by native amine and carboxyl modified biomass of Funalia trogii: Isotherms, kinetics and thermodynamics mechanisms. Korean Journal of Chemical Engineering, 2018, 35, 1303-1311.	2.7	64
52	A method for fabrication of polyaniline coated polymer microspheres and its application for cellulase immobilization. Chemical Engineering Journal, 2012, 189-190, 404-412.	12.7	63
53	Polyaniline coated magnetic carboxymethylcellulose beads for selective removal of uranium ions from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 711-724.	1.5	62
54	Cyclic-carbonate functionalized polymer brushes on polymeric microspheres: Immobilized laccase for degradation of endocrine disturbing compounds. Journal of Industrial and Engineering Chemistry, 2018, 60, 407-417.	5.8	59

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55	Design of an aptamer-based magnetic adsorbent and biosensor systems for selective and sensitive separation and detection of thrombin. Talanta, 2019, 191, 59-66.	5.5	58
56	Polyethyleneimine-grafted poly(hydroxyethyl methacrylate-co-glycidyl methacrylate) membranes for reversible glucose oxidase immobilization. Biochemical Engineering Journal, 2004, 20, 73-77.	3.6	57
57	Preparation and characterization of strong cation exchange terpolymer resin as effective adsorbent for removal of disperse dyes. Polymer Engineering and Science, 2020, 60, 192-201.	3.1	57
58	Covalent immobilization of lipase onto hydrophobic group incorporated poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	5.2	54
59	Amine functional monodisperse microbeads via precipitation polymerization of N-vinyl formamide: Immobilized laccase for benzidine based dyes degradation. Bioresource Technology, 2011, 102, 6783-6790.	9.6	53
60	Immobilization of laccase on itaconic acid grafted and Cu(II) ion chelated chitosan membrane for bioremediation of hazardous materials. Journal of Chemical Technology and Biotechnology, 2012, 87, 530-539.	3.2	53
61	Preparation of poly(glycidylmethacrylateâ€“methylmethacrylate) magnetic beads: Application in lipase immobilization. Journal of Molecular Catalysis B: Enzymatic, 2008, 55, 76-83.	1.8	52
62	Reversible immobilization of catalase on fibrous polymer grafted and metal chelated chitosan membrane. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 297-304.	1.8	51
63	Immobilization of catalase via adsorption on poly(styrene-d-glycidylmethacrylate) grafted and tetraethyldiethylenetriamine ligand attached microbeads. Bioresource Technology, 2011, 102, 3653-3661.	9.6	51
64	Star type polymer grafted and polyamidoxime modified silica coated-magnetic particles for adsorption of U(VI) ions from solution. Chemical Engineering Research and Design, 2019, 147, 146-159.	5.6	51
65	Preparation of a Composite Biosorbent Using Scenedesmus quadricauda Biomass and Alginate/Polyvinyl Alcohol for Removal of Cu(II) and Cd(II) Ions: Isotherms, Kinetics, and Thermodynamic Studies. Water, Air, and Soil Pollution, 2011, 221, 391-403.	2.4	50
66	Poly(styreneâ€“divinylbenzene) beads surface functionalized with di-block polymer grafting and multi-modal ligand attachment: performance of reversibly immobilized lipase in ester synthesis. Bioprocess and Biosystems Engineering, 2011, 34, 735-746.	3.4	50
67	Reversible immobilization of glucose oxidase on polyaniline grafted polyacrylonitrile conductive composite membrane. Bioresource Technology, 2010, 101, 6881-6887.	9.6	49
68	Removal of metal complexed azo dyes from aqueous solution using tris(2-aminoethyl)amine ligand modified magnetic p(GMA-EGDMA) cationic resin: Adsorption, isotherm and kinetic studies. Chemical Engineering Research and Design, 2017, 124, 85-97.	5.6	49
69	Improvement stability and performance of invertase via immobilization on to silanized and polymer brush grafted magnetic nanoparticles. Food Chemistry, 2017, 221, 1442-1450.	8.2	49
70	Preparation of clayâ€“poly(glycidyl methacrylate) composite support for immobilization of cellulase. Applied Clay Science, 2013, 85, 88-95.	5.2	48
71	Biodegradation of Cibacron Blue 3GA by insolubilized laccase and identification of enzymatic byproduct using MALDI-ToF-MS: Toxicity assessment studies by Daphnia magna and Chlorella vulgaris. Ecotoxicology and Environmental Safety, 2019, 170, 453-460.	6.0	47
72	Polyaniline grafted polyacylonitrile conductive composite fibers for reversible immobilization of enzymes: Stability and catalytic properties of invertase. Process Biochemistry, 2009, 44, 880-885.	3.7	46

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73	Immobilization of chloroperoxidase onto highly hydrophilic polyethylene chains via bio-conjugation: Catalytic properties and stabilities. Bioresource Technology, 2011, 102, 475-482.	9.6	46
74	Amidoxime functionalized Trametes trogii pellets for removal of uranium(VI) from aqueous medium. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 373-384.	1.5	46
75	Immobilization of laccase on the fibrous polymer-grafted film and study of textile dye degradation by MALDIâ€“ToF-MS. Chemical Engineering Research and Design, 2017, 128, 107-119.	5.6	46
76	Purification of lysozyme from egg white by Reactive Blue 4 and Reactive Red 120 dye-ligands immobilised composite membranes. Process Biochemistry, 2005, 40, 1433-1442.	3.7	45
77	Poly(glycidyl methacrylate)-Polystyrene Diblocks Copolymer Grafted Nanocomposite Microspheres from Surface-Initiated Atom Transfer Radical Polymerization for Lipase Immobilization: Application in Flavor Ester Synthesis. Industrial & Engineering Chemistry Research, 2010, 49, 9655-9665.	3.7	45
78	Reversible immobilization of urease onto Procion Brown MX-5BR-Ni(II) attached polyamide hollow-fibre membranes. Process Biochemistry, 2002, 38, 675-683.	3.7	44
79	Synthesis and characterization of magnetic beads containing aminated fibrous surfaces for removal of Reactive Green 19 dye: kinetics and thermodynamic parameters. Journal of Chemical Technology and Biotechnology, 2012, 87, 705-713.	3.2	43
80	Grafting of regenerated cellulose films with fibrous polymer and modified into phosphate and sulfate groups: Application for removal of a model azo-dye. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126173.	4.7	43
81	Novel Hydrogel Membrane Based on Copoly(hydroxyethyl methacrylate/p-vinylbenzyl-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over Bioscience, 2005, 5, 983-992.	4.1	42
82	Pathogen detection by coreâ€“shell type aptamer-magnetic preconcentration coupled to real-time PCR. Analytical Biochemistry, 2014, 447, 119-125.	2.4	42
83	Preparation of ion-exchange beads based on poly(methacrylic acid) brush grafted chitosan beads: Isolation of lysozyme from egg white in batch system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 310, 68-77.	4.7	41
84	Fast and Sensitive Detection of Salmonella in Milk Samples Using Aptamer-Functionalized Magnetic Silica Solid Phase and MCM-41-Aptamer Gate System. ACS Biomaterials Science and Engineering, 2018, 4, 1437-1444.	5.2	41
85	Immobilization of Candida rugosa lipase on magnetic chitosan beads and application in flavor esters synthesis. Food Chemistry, 2022, 366, 130699.	8.2	41
86	Poly(2-hydroxyethylmethacrylate)/chitosan dye and different metal-ion-immobilized interpenetrating network membranes: Preparation and application in metal affinity chromatography. Journal of Applied Polymer Science, 2003, 88, 1843-1853.	2.6	39
87	l-Dopa synthesis using tyrosinase immobilized on magnetic beads. Journal of Molecular Catalysis B: Enzymatic, 2009, 58, 187-193.	1.8	39
88	Polyethylenimine and tris(2-aminoethyl)amine modified p(GAâ€“EGMA) microbeads for sorption of uranium ions: equilibrium, kinetic and thermodynamic studies. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 293-303.	1.5	39
89	Effect of spacer-arm and Cu(II) ions on performance of l-histidine immobilized on poly(GMA/MMA) beads as an affinity ligand for separation and purification of IgG. Separation and Purification Technology, 2006, 50, 229-239.	7.9	37
90	Uranium sorption by native and nitrilotriacetate-modified Bangia atropurpurea biomass: kinetics and thermodynamics. Journal of Applied Phycology, 2018, 30, 649-661.	2.8	37

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91	Immunoglobulin G adsorption behavior of l-histidine ligand attached and Lewis metal ions chelated affinity membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 287, 75-85.	4.7	36
92	Immobilization and stabilization of papain on poly(hydroxyethyl methacrylateâ€“ethylenglycol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 transfer radical polymerization (SI-ATRP). Bioresource Technology, 2011, 102, 9833-9837.	9.6	36
93	Cross-linking of horseradish peroxidase adsorbed on polycationic films: utilization for direct dye degradation. Bioprocess and Biosystems Engineering, 2012, 35, 1355-1365.	3.4	36
94	Immobilization of glucoamylase onto polyaniline-grafted magnetic hydrogel via adsorption and adsorption/cross-linking. Applied Microbiology and Biotechnology, 2013, 97, 1149-1159.	3.6	36
95	Removal of Cd(II), Hg(II), and Pb(II) ions from aqueous solution using p(HEMA/chitosan) membranes. Journal of Applied Polymer Science, 2007, 106, 169-177.	2.6	35
96	Removal of reactive dyes from wastewater by acrylate polymer beads bearing amino groups: isotherm and kinetic studies. Coloration Technology, 2013, 129, 114-124.	1.5	35
97	Immobilization of laccase on hairy polymer grafted zeolite particles: Degradation of a model dye and product analysis with MALDIâ€“ToF-MS. Microporous and Mesoporous Materials, 2014, 199, 57-65.	4.4	35
98	Characterization of polyethylenimine grafted and Cibacron Blue F3GA immobilized poly(hydroxyethylmethacrylate-co-glycydylmethacrylate) membranes and application to bilirubin removal from human serum. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 264, 195-202.	4.7	34
99	Lysozyme specific aptamer immobilized MCM-41 silicate for single-step purification and quartz crystal microbalance (QCM)-based determination of lysozyme from chicken egg white. Microporous and Mesoporous Materials, 2015, 207, 95-104.	4.4	34
100	Preparation and characterization of sulfonyl-hydrazine attached poly(styrene-divinylbenzene) beads for separation of albumin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 294, 56-63.	4.7	33
101	Preparation of poly (acrylic acid) containing core-shell type resin for removal of basic dyes. Journal of Chemical Technology and Biotechnology, 2011, 86, 699-705.	3.2	33
102	Magnetic Polymeric Beads Functionalized with Different Mixed-Mode Ligands for Reversible Immobilization of Trypsin. Industrial & Engineering Chemistry Research, 2014, 53, 132-140.	3.7	32
103	Adsorption of serum albumin and Î³-globulin from single and binary mixture and characterization of pHEMA-based affinity membrane surface by contact angle measurements. Biochemical Engineering Journal, 2005, 26, 12-21.	3.6	31
104	Biosorption of Cr(VI) by free and immobilized Pediastrum boryanum biomass: equilibrium, kinetic, and thermodynamic studies. Environmental Science and Pollution Research, 2012, 19, 2983-2993.	5.3	31
105	Poly(hydroxyethyl methacrylate-co-glycidyl methacrylate) reactive membrane utilised for cholesterol oxidase immobilisation. Polymer International, 2002, 51, 1316-1322.	3.1	29
106	Evaluation of lysozyme adsorptive behaviour of pHEMA-based affinity membranes related to the surface energy and its components to be used in chromatographic fields. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 243, 11-21.	4.7	29
107	Preparation of Comb-Type Magnetic Beads by Surface-Initiated ATRP: Modification with Nitrilotriacetate Groups for Removal of Basic Dyes. Industrial & Engineering Chemistry Research, 2012, 51, 10629-10640.	3.7	29
108	Poly(glycidylmethacrylate) brushes generated on poly(VBC) beads by SI-ATRP technique: Hydrazine and amino groups functionalized for invertase adsorption and purification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 1479-1486.	2.3	28

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109	Removal of Textile Dyes from Aqueous Solution using Amine-Modified Plant Biomass of A. caricum: Equilibrium and Kinetic Studies. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	28
110	Membrane with incorporated hydrophobic ligand for hydrophobic interaction with proteins: application to lipase adsorption. Polymer International, 2002, 51, 966-972.	3.1	27
111	Preparation and characterisation of surfaces properties of poly(hydroxyethylmethacrylate-co-methacrylolyamido-histidine) membranes: application for purification of human immunoglobulin G. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 807, 315-325.	2.3	27
112	Fibrous polymer grafted magnetic chitosan beads with strong poly(cation-exchange) groups for single step purification of lysozyme. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 990, 84-95.	2.3	27
113	Trypsin Immobilized on Magnetic Beads via Click Chemistry: Fast Proteolysis of Proteins in a Microbioreactor for MALDI-ToF-MS Peptide Analysis. Industrial & Engineering Chemistry Research, 2014, 53, 4554-4564.	3.7	26
114	Preparation of effective green sorbents using O. Princeps alga biomass with different composition of amine groups: Comparison to adsorption performances for removal of a model acid dye. Journal of Molecular Liquids, 2022, 347, 118375.	4.9	26
115	Azo Dye Removal Using Free and Immobilized Fungal Biomasses: Isotherms, Kinetics and Thermodynamic Studies. Fibers and Polymers, 2018, 19, 877-886.	2.1	25
116	Preparation and application of spacer-arm-attached poly(hydroxyethyl methacrylate-co-glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	4.1	24
117	Alcohol determination via covalent enzyme immobilization on magnetic beads. Sensors and Actuators B: Chemical, 2008, 128, 521-528.	7.8	24
118	A novel pH sensitive porous membrane carrier for various biomedical applications based on pHEMA/chitosan: preparation and its drug release characteristics. Macromolecular Symposia, 2003, 203, 213-218.	0.7	23
119	Poly (hydroxyethyl methacrylate-glycidyl methacrylate) films modified with different functional groups: In vitro interactions with platelets and rat stem cells. Materials Science and Engineering C, 2013, 33, 801-810.	7.3	23
120	Aminopyridine modified Spirulina platensis biomass for chromium(VI) adsorption in aqueous solution. Water Science and Technology, 2016, 74, 914-926.	2.5	23
121	Surface modification of polyacrylonitrile film by anchoring conductive polyaniline and determination of uricase adsorption capacity and activity. Applied Surface Science, 2010, 256, 6710-6716.	6.1	22
122	Biodegradation of methylene blue and carbaryl by Trametes versicolor laccase preparations in the presence of a mediator compound. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 277-285.	2.2	22
123	A dyeâ€“ligand immobilized poly(2-hydroxyethylmethacrylate) membrane used for adsorption and isolation of immunoglobulin G. Biochemical Engineering Journal, 2007, 34, 147-155.	3.6	21
124	Studies of adsorption of alkaline trypsin by poly(methacrylic acid) brushes on chitosan membranes. Journal of Applied Polymer Science, 2008, 108, 456-465.	2.6	21
125	Removal of Ni(II) and Cu(II) ions using native and acid treated Ni-hyperaccumulator plant Alyssum discolor from Turkish serpentine soil. Chemosphere, 2012, 89, 302-309.	8.2	21
126	Removal of Disperse Red 60 dye from aqueous solution using free and composite fungal biomass of Lentinus concinnus. Water Science and Technology, 2017, 75, 366-377.	2.5	21

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127	Modification of epoxy groups of poly(hydroxylmethyl methacrylate-co-glycidyl methacrylate) cryogel with H3PO4 as adsorbent for removal of hazardous pollutants. Environmental Science and Pollution Research, 2020, 27, 43340-43358.	5.3	21
128	Surface plasmon resonance aptasensor for Brucella detection in milk. Talanta, 2022, 239, 123074.	5.5	21
129	Surface energy components of a dye-ligand immobilized pHEMA membranes: Effects of their molecular attracting forces for non-covalent interactions with IgG and HSA in aqueous media. International Journal of Biological Macromolecules, 2005, 37, 249-256.	7.5	20
130	Heparinâ€coated poly(hydroxyethyl methacrylate/albumin) hydrogel networks: In vitro hemocompatibility evaluation for vascular biomaterials. Journal of Applied Polymer Science, 2008, 109, 749-757.	2.6	20
131	Glycidyl methacrylate grafted on p(VBC) beads by SI-ATRP technique: Modified with hydrazine as a salt resistance ligand for adsorption of invertase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 345, 127-134.	4.7	20
132	NanoKeepers: stimuli responsive nanocapsules for programmed specific targeting and drug delivery. Chemical Communications, 2014, 50, 9489-9492.	4.1	20
133	Reversible immobilization of uricase on conductive polyaniline brushes grafted on polyacrylonitrile film. Bioprocess and Biosystems Engineering, 2011, 34, 127-134.	3.4	19
134	Preparation and characterization of infectionâ€resistant antibioticsâ€releasing hydrogels rods of		

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145	Methacrylated Chitosan Based UV Curable Support for Enzyme Immobilization. Materials Research, 2017, 20, 452-459.	1.3	15
146	DNA adsorption on a poly-L-lysine-immobilized poly(2-hydroxyethyl methacrylate) membrane. Polymer International, 2003, 52, 1169-1174.	3.1	14
147	Preparation and drugâ€release behavior of minocyclineâ€loaded poly[hydroxyethyl methacrylateâ€coâ€poly(ethylene glycol)â€“methacrylate] films. Journal of Applied Polymer Science, 2009, 112, 1012-1020.	2.6	13
148	Utilization of immobilized horseradish peroxidase for facilitated detoxification of a benzidine based azo dye. Chemical Engineering Research and Design, 2021, 165, 435-444.	5.6	13
149	Poly(vinylbenzylchloride) beads grafted with polymer brushes carrying hydrazine ligand for reversible enzyme immobilization. Journal of Applied Polymer Science, 2009, 113, 2661-2669.	2.6	12
150	Preparation and characterization of mixed-mode magnetic adsorbent with p-amino-benzamidine ligand: Operated in a magnetically stabilized fluidized bed reactor for purification of trypsin from bovine pancreas. Process Biochemistry, 2014, 49, 520-528.	3.7	12
151	Aggrandizement of uranium (VI) removal performance of Lentinus concinnus biomass by attachment of 2,5-diaminobenzenesulfonic acid ligand. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 1085-1098.	1.5	12
152	Selective isolation and sensitive detection of lysozyme using aptamer based magnetic adsorbent and a new quartz crystal microbalance system. Food Chemistry, 2022, 382, 132353.	8.2	12
153	Human serum albumin adsorption on poly[(glycidyl methacrylate)-co-(methyl methacrylate)] beads modified with a spacer-arm-attachedL-histidine ligand. Polymer International, 2006, 55, 40-48.	3.1	11
154	Preparation of methacrylamide grafted and dyeâ€ligand immobilized PET fibers: Studies of adsorption and purification of lysozyme. Journal of Applied Polymer Science, 2008, 108, 3313-3323.	2.6	11
155	Poly(methyl methacrylate-glycidiyl methacrylate) film with immobilized iminodiacetic acid and Cu(II) Ion: For protein adsorption. Fibers and Polymers, 2012, 13, 1225-1232.	2.1	11
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