

# Mehmet Yakup Arica

## List of Publications by Citations

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53  
papers

1,727  
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25  
h-index

41  
g-index

53  
ext. papers

1,898  
ext. citations

4  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
53	Enzymatic removal of phenol and p-chlorophenol in enzyme reactor: horseradish peroxidase immobilized on magnetic beads. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 156, 148-55	12.8	195
52	Magnetic MCM-41 silica particles grafted with poly(glycidylmethacrylate) brush: Modification and application for removal of direct dyes. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 243, 164-175	5.3	101
51	Studies on accumulation of uranium by fungus <i>Lentinus sajor-caju</i> . <i>Journal of Hazardous Materials</i> , <b>2006</b> , 136, 345-53	12.8	100
50	Immobilization of laccase onto poly(glycidylmethacrylate) brush grafted poly(hydroxyethylmethacrylate) films: Enzymatic oxidation of phenolic compounds. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 1990-1997	8.3	88
49	Preparation and characterization of magnetic polymethylmethacrylate microbeads carrying ethylene diamine for removal of Cu(II), Cd(II), Pb(II), and Hg(II) from aqueous solutions. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 78, 81-89	2.9	81
48	Immobilization of tyrosinase on modified diatom biosilica: enzymatic removal of phenolic compounds from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 244-245, 528-36	12.8	77
47	Immobilization of polyphenol oxidase on carboxymethylcellulose hydrogel beads: preparation and characterization. <i>Polymer International</i> , <b>2000</b> , 49, 775-781	3.3	75
46	Invertase immobilized on spacer-arm attached poly(hydroxyethyl methacrylate) membrane: Preparation and properties. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 75, 1685-1692	2.9	68
45	Reversible immobilization of <i>Candida rugosa</i> lipase on fibrous polymer grafted and sulfonated p(HEMA/EGDMA) beads. <i>Bioprocess and Biosystems Engineering</i> , <b>2010</b> , 33, 227-36	3.7	67
44	Epoxy-derived pHEMA membrane for use bioactive macromolecules immobilization: Covalently bound urease in a continuous model system. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 77, 2000-2008	2.9	64
43	Immobilization of catalase in poly(isopropylacrylamide-co-hydroxyethylmethacrylate) thermally reversible hydrogels. <i>Polymer International</i> , <b>1999</b> , 48, 879-884	3.3	63
42	Polyaniline coated magnetic carboxymethylcellulose beads for selective removal of uranium ions from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2016</b> , 310, 711-724	1.5	47
41	Design of an aptamer-based magnetic adsorbent and biosensor systems for selective and sensitive separation and detection of thrombin. <i>Talanta</i> , <b>2019</b> , 191, 59-66	6.2	40
40	Amidoxime functionalized <i>Trametes trogii</i> pellets for removal of uranium(VI) from aqueous medium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2016</b> , 307, 373-384	1.5	38
39	Star type polymer grafted and polyamidoxime modified silica coated-magnetic particles for adsorption of U(VI) ions from solution. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 147, 146-159	5.5	36
38	Separation of human-immunoglobulin-G from human plasma with l-histidine immobilized pseudo-specific bioaffinity adsorbents. <i>Separation Science and Technology</i> , <b>2002</b> , 37, 717-731	2.5	36
37	Immobilization of laccase on the fibrous polymer-grafted film and study of textile dye degradation by MALDI-TOF-MS. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 128, 107-119	5.5	35

36	Biodegradation of Cibacron Blue 3GA by insolubilized laccase and identification of enzymatic byproduct using MALDI-ToF-MS: Toxicity assessment studies by <i>Daphnia magna</i> and <i>Chlorella vulgaris</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 170, 453-460	7	32
35	Rapid and label-free detection of <i>Brucella melitensis</i> in milk and milk products using an aptasensor. <i>Talanta</i> , <b>2019</b> , 200, 263-271	6.2	31
34	Dye derived and metal incorporated affinity poly(2-hydroxyethyl methacrylate) membranes for use in enzyme immobilization. <i>Polymer International</i> , <b>1998</b> , 46, 345-352	3.3	31
33	Polyethylenimine and tris(2-aminoethyl)amine modified p(GAEGMA) microbeads for sorption of uranium ions: equilibrium, kinetic and thermodynamic studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 312, 293-303	1.5	27
32	Magnetic Polymeric Beads Functionalized with Different Mixed-Mode Ligands for Reversible Immobilization of Trypsin. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 132-140	3.9	27
31	Membrane with incorporated hydrophobic ligand for hydrophobic interaction with proteins: application to lipase adsorption. <i>Polymer International</i> , <b>2002</b> , 51, 966-972	3.3	27
30	Uranium sorption by native and nitrilotriacetate-modified <i>Bangia atropurpurea</i> biomass: kinetics and thermodynamics. <i>Journal of Applied Phycology</i> , <b>2018</b> , 30, 649-661	3.2	27
29	Procion Blue MX-3G-Attached Microporous Poly(2-Hydroxyethyl Methacrylate) Membranes for Copper, Arsenic, Cadmium, and Mercury Adsorption. <i>Separation Science and Technology</i> , <b>1999</b> , 34, 2369-2381	2.5	25
28	Preparation and characterization of strong cation exchange terpolymer resin as effective adsorbent for removal of disperse dyes. <i>Polymer Engineering and Science</i> , <b>2020</b> , 60, 192-201	2.3	23
27	A novel pH sensitive porous membrane carrier for various biomedical applications based on pHEMA/chitosan: preparation and its drug release characteristics. <i>Macromolecular Symposia</i> , <b>2003</b> , 203, 213-218	0.8	22
26	Controlled release of aldicarb from carboxymethyl cellulose microspheres: in vitro and field applications. <i>Pest Management Science</i> , <b>1999</b> , 55, 1194-1202		22
25	Poly(hydroxyethyl methacrylate-co-glycidyl methacrylate) reactive membrane utilised for cholesterol oxidase immobilisation. <i>Polymer International</i> , <b>2002</b> , 51, 1316-1322	3.3	21
24	Glycidyl methacrylate grafted on p(VBC) beads by SI-ATRP technique: Modified with hydrazine as a salt resistance ligand for adsorption of invertase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 345, 127-134	5.1	20
23	Galactosidase immobilization into poly(hydroxyethyl methacrylate) membrane and performance in a continuous system. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 72, 1367-1373	2.9	20
22	Comparison of Galactosidase immobilization by entrapment in and adsorption on poly(2-hydroxyethylmethacrylate) membranes. <i>Polymer International</i> , <b>1997</b> , 44, 530-536	3.3	17
21	Affinity microspheres and their application to lysozyme adsorption: Cibacron Blue F3GA and Cu(II) with poly(HEMA-EGDMA). <i>Polymer International</i> , <b>1999</b> , 48, 360-366	3.3	15
20	DNA adsorption on a poly-L-lysine-immobilized poly(2-hydroxyethyl methacrylate) membrane. <i>Polymer International</i> , <b>2003</b> , 52, 1169-1174	3.3	12
19	Novel hydrophobic ligand-containing hydrogel membrane matrix: preparation and application to gamma-globulins adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2001</b> , 21, 273-283	6	12

18	Performance of Different Metal Dye Chelated Affinity Adsorbents of Poly(2-Hydroxyethyl Methacrylate) in Lysozyme Separation. <i>Separation Science and Technology</i> , <b>2000</b> , 35, 2243-2257	2.5	12
17	Activity and stability of urease entrapped in thermosensitive poly(N-isopropylacrylamide-co-poly(ethyleneglycol)-methacrylate) hydrogel. <i>Bioprocess and Biosystems Engineering</i> , <b>2014</b> , 37, 235-43	3.7	11
16	New metal chelate sorbent for albumin adsorption: Cibacron Blue F3GA-Zn(II) attached microporous poly(HEMA) membranes. <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 68, 657-664	2.9	11
15	Polyhydroxyethylmethacrylate/polyhydroxybutyrate composite membranes for fluoride release. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 87, 976-981	2.9	10
14	Catalytic Activity of Immobilized Chymotrypsin on Hybrid Silica-Magnetic Biocompatible Particles and Its Application in Peptide Synthesis. <i>Applied Biochemistry and Biotechnology</i> , <b>2020</b> , 190, 1224-1241	3.2	8
13	DYE AFFINITY POLY(2-HYDROXYETHYL METHACRYLATE) MEMBRANES FOR REMOVAL OF HEAVY METAL IONS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2000</b> , 37, 343-356	2.2	7
12	Hydrophilic spacer-arm containing magnetic nanoparticles for immobilization of proteinase K: Employment for speciation of proteins for mass spectrometry-based analysis. <i>Talanta</i> , <b>2020</b> , 206, 120218	6.2	7
11	Fibrous polymer functionalized magnetic biocatalysts for improved performance. <i>Methods in Enzymology</i> , <b>2020</b> , 630, 111-132	1.7	6
10	Dye-ligand immobilized IPNs membrane for removal heavy metal ions. <i>Macromolecular Symposia</i> , <b>2003</b> , 203, 219-224	0.8	5
9	Fibronectin purification from human plasma in a packed-bed column system with gelatin immobilized PHEMA microspheres. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2001</b> , 12, 479-89	3.5	5
8	Utilization of immobilized horseradish peroxidase for facilitated detoxification of a benzidine based azo dye. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 165, 435-444	5.5	5
7	Surface plasmon resonance aptasensor for Brucella detection in milk. <i>Talanta</i> , <b>2021</b> , 239, 123074	6.2	4
6	In vitro cadmium removal from human serum by Cibacron Blue F3GA-thionine-complex conjugated affinity membranes. <i>Polymer International</i> , <b>2000</b> , 49, 302-308	3.3	3
5	Aggrandizement of uranium (VI) removal performance of <i>Lentinus concinnus</i> biomass by attachment of 2,5-diaminobenzenesulfonic acid ligand. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2021</b> , 328, 1085-1098	1.5	3
4	Dye derived and metal incorporated affinity poly(2-hydroxyethyl methacrylate) membranes for use in enzyme immobilization <b>1998</b> , 46, 345		3
3	Immobilization of catalase in poly(isopropylacrylamide-co-hydroxyethylmethacrylate) thermally reversible hydrogels <b>1999</b> , 48, 879		3
2	Poly(hydroxyethyl methacrylate) membranes: as a hydrogel support for use in immobilized metal affinity chromatography. <i>Macromolecular Symposia</i> , <b>2003</b> , 203, 207-212	0.8	2
1	Immobilization of <i>Candida rugosa</i> Lipase on Magnetic Biosilica Particles: Hydrolysis and Transesterification Studies. <i>Biotechnology and Bioprocess Engineering</i> , <b>2021</b> , 26, 827-840	3.1	0

