

Mehmet Yakup Arica

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,120
citations

218592

26
h-index

233338

45
g-index

53
all docs

53
docs citations

53
times ranked

2290
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Enzymatic removal of phenol and p-chlorophenol in enzyme reactor: Horseradish peroxidase immobilized on magnetic beads. <i>Journal of Hazardous Materials</i> , 2008, 156, 148-155. | 6.5 | 217 |
| 2 | Magnetic MCM-41 silica particles grafted with poly(glycidylmethacrylate) brush: Modification and application for removal of direct dyes. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 164-175. | 2.2 | 141 |
| 3 | Studies on accumulation of uranium by fungus <i>Lentinus sajor-caju</i> . <i>Journal of Hazardous Materials</i> , 2006, 136, 345-353. | 6.5 | 109 |
| 4 | Immobilization of laccase onto poly(glycidylmethacrylate) brush grafted poly(hydroxyethylmethacrylate) films: Enzymatic oxidation of phenolic compounds. <i>Materials Science and Engineering C</i> , 2009, 29, 1990-1997. | 3.8 | 99 |
| 5 | Immobilization of tyrosinase on modified diatom biosilica: Enzymatic removal of phenolic compounds from aqueous solution. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 528-536. | 6.5 | 97 |
| 6 | 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> , 2000, 78, 81-89. | 1.3 | 88 |
| 7 | Immobilization of polyphenol oxidase on carboxymethylcellulose hydrogel beads: preparation and characterization. <i>Polymer International</i> , 2000, 49, 775-781. | 1.6 | 78 |
| 8 | Invertase immobilized on spacer-arm attached poly(hydroxyethyl methacrylate) membrane: Preparation and properties. <i>Journal of Applied Polymer Science</i> , 2000, 75, 1685-1692. | 1.3 | 74 |
| 9 | Reversible immobilization of <i>Candida rugosa</i> lipase on fibrous polymer grafted and sulfonated p(HEMA/EGDMA) beads. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 227-236. | 1.7 | 72 |
| 10 | Epoxy-derived pHEMA membrane for use bioactive macromolecules immobilization: Covalently bound urease in a continuous model system. <i>Journal of Applied Polymer Science</i> , 2000, 77, 2000-2008. | 1.3 | 71 |
| 11 | Immobilization of catalase in poly(isopropylacrylamide-co-hydroxyethylmethacrylate) thermally reversible hydrogels. <i>Polymer International</i> , 1999, 48, 879-884. | 1.6 | 70 |
| 12 | Rapid and label-free detection of <i>Brucella melitensis</i> in milk and milk products using an aptasensor. <i>Talanta</i> , 2019, 200, 263-271. | 2.9 | 67 |
| 13 | Polyaniline coated magnetic carboxymethylcellulose beads for selective removal of uranium ions from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 711-724. | 0.7 | 62 |
| 14 | Design of an aptamer-based magnetic adsorbent and biosensor systems for selective and sensitive separation and detection of thrombin. <i>Talanta</i> , 2019, 191, 59-66. | 2.9 | 58 |
| 15 | Preparation and characterization of strong cation exchange terpolymer resin as effective adsorbent for removal of disperse dyes. <i>Polymer Engineering and Science</i> , 2020, 60, 192-201. | 1.5 | 57 |
| 16 | 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> , 2019, 147, 146-159. | 2.7 | 51 |
| 17 | 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> , 2019, 170, 453-460. | 2.9 | 47 |
| 18 | Amidoxime functionalized <i>Trametes trogii</i> pellets for removal of uranium(VI) from aqueous medium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 373-384. | 0.7 | 46 |

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|----|--|-----|-----------|
| 19 | 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> , 2017, 128, 107-119. | 2.7 | 46 |
| 20 | Polyethylenimine and tris(2-aminoethyl)amine modified p(GA-EGMA) microbeads for sorption of uranium ions: equilibrium, kinetic and thermodynamic studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 293-303. | 0.7 | 39 |
| 21 | Uranium sorption by native and nitrilotriacetate-modified <i>Bangia atropurpurea</i> biomass: kinetics and thermodynamics. <i>Journal of Applied Phycology</i> , 2018, 30, 649-661. | 1.5 | 37 |
| 22 | Separation of human-immunoglobulin-G from human plasma with l-histidine immobilized pseudo-specific bioaffinity adsorbents. <i>Separation Science and Technology</i> , 2002, 37, 717-731. | 1.3 | 36 |
| 23 | Dye derived and metal incorporated affinity poly(2-hydroxyethyl methacrylate) membranes for use in enzyme immobilization. <i>Polymer International</i> , 1998, 46, 345-352. | 1.6 | 33 |
| 24 | Magnetic Polymeric Beads Functionalized with Different Mixed-Mode Ligands for Reversible Immobilization of Trypsin. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 132-140. | 1.8 | 32 |
| 25 | Poly(hydroxyethyl methacrylate-co-glycidyl methacrylate) reactive membrane utilised for cholesterol oxidase immobilisation. <i>Polymer International</i> , 2002, 51, 1316-1322. | 1.6 | 29 |
| 26 | Membrane with incorporated hydrophobic ligand for hydrophobic interaction with proteins: application to lipase adsorption. <i>Polymer International</i> , 2002, 51, 966-972. | 1.6 | 27 |
| 27 | Controlled release of aldicarb from carboxymethyl cellulose microspheres: in vitro and field applications. <i>Pest Management Science</i> , 1999, 55, 1194-1202. | 0.6 | 26 |
| 28 | Procion Blue MX-3G-Attached Microporous Poly(2-Hydroxyethyl Methacrylate) Membranes for Copper, Arsenic, Cadmium, and Mercury Adsorption. <i>Separation Science and Technology</i> , 1999, 34, 2369-2381. | 1.3 | 25 |
| 29 | 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> , 2003, 203, 213-218. | 0.4 | 23 |
| 30 | β -Galactosidase immobilization into poly(hydroxyethyl methacrylate) membrane and performance in a continuous system. <i>Journal of Applied Polymer Science</i> , 1999, 72, 1367-1373. | 1.3 | 22 |
| 31 | Surface plasmon resonance aptasensor for <i>Brucella</i> detection in milk. <i>Talanta</i> , 2022, 239, 123074. | 2.9 | 21 |
| 32 | 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> , 2009, 345, 127-134. | 2.3 | 20 |
| 33 | Comparison of β -galactosidase immobilization by entrapment in and adsorption on poly(2-hydroxyethyl methacrylate) membranes. <i>Polymer International</i> , 1997, 44, 530-536. | 1.6 | 18 |
| 34 | Activity and stability of urease entrapped in thermosensitive poly(N-isopropylacrylamide-co-poly(ethylene glycol)-methacrylate) hydrogel. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 235-243. | 1.7 | 16 |
| 35 | Affinity microspheres and their application to lysozyme adsorption: Cibacron Blue F3GA and Cu(II) with poly(HEMA-EGDMA). <i>Polymer International</i> , 1999, 48, 360-366. | 1.6 | 15 |
| 36 | DNA adsorption on a poly-L-lysine-immobilized poly(2-hydroxyethyl methacrylate) membrane. <i>Polymer International</i> , 2003, 52, 1169-1174. | 1.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Performance of Different Metal-Dye Chelated Affinity Adsorbents of Poly(2-Hydroxyethyl) Tj ETQq1 1 0.784314 1.3 BT /Overlock 10 | 1.3 | 13 |
| 38 | Novel hydrophobic ligand-containing hydrogel membrane matrix: preparation and application to β -globulins adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2001, 21, 273-283. | 2.5 | 13 |
| 39 | Utilization of immobilized horseradish peroxidase for facilitated detoxification of a benzidine based azo dye. <i>Chemical Engineering Research and Design</i> , 2021, 165, 435-444. | 2.7 | 13 |
| 40 | 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> , 2021, 328, 1085-1098. | 0.7 | 12 |
| 41 | New metal chelate sorbent for albumin adsorption: Cibacron Blue F3GA-Zn(II) attached microporous poly(HEMA) membranes. <i>Journal of Applied Polymer Science</i> , 1998, 68, 657-664. | 1.3 | 11 |
| 42 | Polyhydroxyethylmethacrylate/polyhydroxybutyrate composite membranes for fluoride release. <i>Journal of Applied Polymer Science</i> , 2003, 87, 976-981. | 1.3 | 11 |
| 43 | Hydrophilic spacer-arm containing magnetic nanoparticles for immobilization of proteinase K: Employment for speciation of proteins for mass spectrometry-based analysis. <i>Talanta</i> , 2020, 206, 120218. | 2.9 | 10 |
| 44 | Catalytic Activity of Immobilized Chymotrypsin on Hybrid Silica-Magnetic Biocompatible Particles and Its Application in Peptide Synthesis. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 1224-1241. | 1.4 | 9 |
| 45 | DYE AFFINITY POLY(2-HYDROXYETHYL METHACRYLATE) MEMBRANES FOR REMOVAL OF HEAVY METAL IONS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2000, 37, 343-356. | 1.2 | 8 |
| 46 | Fibrous polymer functionalized magnetic biocatalysts for improved performance. <i>Methods in Enzymology</i> , 2020, 630, 111-132. | 0.4 | 7 |
| 47 | Fibronectin purification from human plasma in a packed-bed column system with gelatin immobilized PHEMA microspheres. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001, 12, 479-489. | 1.9 | 6 |
| 48 | Immobilization of <i>Candida rugosa</i> Lipase on Magnetic Biosilica Particles: Hydrolysis and Transesterification Studies. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 827-840. | 1.4 | 6 |
| 49 | Dye-ligand immobilized IPNs membrane for removal heavy metal ions. <i>Macromolecular Symposia</i> , 2003, 203, 219-224. | 0.4 | 5 |
| 50 | Poly(hydroxyethyl methacrylate) membranes: as a hydrogel support for use in immobilized metal affinity chromatography. <i>Macromolecular Symposia</i> , 2003, 203, 207-212. | 0.4 | 4 |
| 51 | In vitro cadmium removal from human serum by Cibacron Blue F3GA-thionein-complex conjugated affinity membranes. <i>Polymer International</i> , 2000, 49, 302-308. | 1.6 | 3 |
| 52 | Dye derived and metal incorporated affinity poly(2-hydroxyethyl methacrylate) membranes for use in enzyme immobilization. <i>Polymer International</i> , 1998, 46, 345-352. | 1.6 | 3 |
| 53 | Immobilization of catalase in poly(isopropylacrylamide-co-hydroxyethylmethacrylate) thermally reversible hydrogels. <i>Polymer International</i> , 1999, 48, 879-884. | 1.6 | 3 |