

Sinan Akgol

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

2,190
citations

28
h-index

39
g-index

111
ext. papers

2,345
ext. citations

4.3
avg, IF

4.82
L-index

#	Paper	IF	Citations
108	Hydrolysis of sucrose by invertase immobilized onto novel magnetic polyvinylalcohol microspheres. <i>Food Chemistry</i> , 2001 , 74, 281-288	8.5	140
107	Reversible Immobilization of Catalase by Metal Chelate Affinity Interaction on Magnetic Beads. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3036-3043	3.9	104
106	Covalent immobilisation of invertase onto a reactive film composed of 2-hydroxyethyl methacrylate and glycidyl methacrylate: properties and application in a continuous flow system. <i>Biochemical Engineering Journal</i> , 2003 , 14, 117-126	4.2	95
105	Novel metal-chelate affinity sorbents for reversible use in catalase adsorption. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004 , 28, 7-14		85
104	Reversible adsorption of lipase on novel hydrophobic nanospheres. <i>Separation and Purification Technology</i> , 2007 , 58, 83-90	8.3	60
103	A novel magnetic adsorbent for immunoglobulin-g purification in a magnetically stabilized fluidized bed. <i>Biotechnology Progress</i> , 2004 , 20, 1169-75	2.8	58
102	Cu(II)-incorporated, histidine-containing, magnetic-metal-complexing beads as specific sorbents for the metal chelate affinity of albumin. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 2669-2677	2.9	47
101	Poly(hydroxyethyl methacrylate) nanobeads containing imidazole groups for removal of Cu(II) ions. <i>Materials Science and Engineering C</i> , 2009 , 29, 2072-2078	8.3	44
100	Magnetic dye affinity beads for the adsorption of beta-casein. <i>Macromolecular Bioscience</i> , 2005 , 5, 786-94.5	4.5	42
99	Reversible immobilization of urease onto Procion Brown MX-5BR-Ni(II) attached polyamide hollow-fibre membranes. <i>Process Biochemistry</i> , 2002 , 38, 675-683	4.8	41
98	Newly synthesized bentonite-histidine (BentHis) micro-composite affinity sorbents for IgG adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 301, 490-497	5.1	39
97	Phenylalanine containing hydrophobic nanospheres for antibody purification. <i>Biotechnology Progress</i> , 2008 , 24, 1297-303	2.8	37
96	Immunoglobulin G depletion from human serum with metal-chelated beads under magnetic field. <i>International Journal of Biological Macromolecules</i> , 2007 , 40, 254-60	7.9	37
95	Poly(hydroxyethyl methacrylate) based magnetic nanoparticles for plasmid DNA purification from Escherichia coli lysate. <i>Materials Science and Engineering C</i> , 2012 , 32, 1133-1140	8.3	34
94	Concanavalin A immobilized poly(ethylene glycol dimethacrylate) based affinity cryogel matrix and usability of invertase immobilization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 887-888, 73-8	3.2	34
93	Magnetic polymeric nanospheres as an immobilized metal affinity chromatography (IMAC) support for catalase. <i>Biochemical Engineering Journal</i> , 2010 , 49, 159-164	4.2	34
92	High capacity binding of antibodies by poly(hydroxyethyl methacrylate) nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008 , 67, 14-9	6	34

91	Magnetic hydrophobic affinity nanobeads for lysozyme separation. <i>Materials Science and Engineering C</i> , 2009 , 29, 2165-2173	8.3	32
90	Concanavalin a immobilized affinity adsorbents for reversible use in yeast invertase adsorption. <i>Macromolecular Bioscience</i> , 2004 , 4, 674-9	5.5	32
89	Glucose oxidase and catalase adsorption onto Cibacron Blue F3GA-attached microporous polyamide hollow-fibres. <i>Reactive and Functional Polymers</i> , 2003 , 55, 45-51	4.6	31
88	A novel biosensor for specific determination of hydrogen peroxide: catalase enzyme electrode based on dissolved oxygen probe. <i>Talanta</i> , 1999 , 48, 363-367	6.2	31
87	Novel magnetic nanoparticles for the hydrolysis of starch with <i>Bacillus licheniformis</i> α -amylase. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 2574-2581	2.9	30
86	New generation ion-imprinted nanocarrier for removal of Cr(VI) from wastewater. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	30
85	Affinity separation of immunoglobulin G subclasses on dye attached poly(hydroxypropyl methacrylate) beads. <i>International Journal of Biological Macromolecules</i> , 2006 , 39, 303-9	7.9	30
84	New generation polymeric nanospheres for catalase immobilization. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 962-970	2.9	29
83	Preparation of nanoparticles which contains histidine for immobilization of <i>Trametes versicolor</i> laccase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010 , 63, 102-107		29
82	Reversible immobilization of catalase by using a novel bentonite-cysteine (BentCys) microcomposite affinity sorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 322, 148-154	5.1	29
81	Selective separation of human serum albumin with copper(II) chelated poly(hydroxyethyl methacrylate) based nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 188-93	7.9	28
80	Pseudo-specific bioaffinity chromatography of immunoglobulin-G. <i>Reactive and Functional Polymers</i> , 2004 , 61, 369-377	4.6	28
79	Application of supermacroporous monolithic hydrophobic cryogel in capturing of albumin. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 2232-43	3.2	27
78	Antibody purification by concanavalin A affinity chromatography. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 1202-1208	2.9	27
77	Immobilization of inulinase on concanavalin A-attached super macroporous cryogel for production of high-fructose syrup. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 1909-21	3.2	25
76	New generation polymeric nanospheres for lysozyme adsorption. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1608-1615	2.9	25
75	Immobilization of catalase via adsorption onto l-histidine grafted functional pHEMA based membrane. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001 , 15, 197-206		23
74	Selective cholesterol adsorption by molecular imprinted polymeric nanospheres and application to GIMS. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 451-460	7.9	23

73	A new metal-chelated cryogel for reversible immobilization of urease. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 1815-26	3.2	22
72	Development of amino functionalized carbon coated magnetic nanoparticles and their application to electrochemical detection of hybridization of nucleic acids. <i>Talanta</i> , 2017 , 164, 175-182	6.2	22
71	Immobilized metal affinity beads for ferritin adsorption. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005 , 16, 673-84	3.5	22
70	Pseudospecific magnetic affinity beads for immunoglobulin-G depletion from human serum. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 2405-2412	2.9	21
69	Poly(hydroxyethyl methacrylate-co-glycidyl methacrylate) reactive membrane utilised for cholesterol oxidase immobilisation. <i>Polymer International</i> , 2002 , 51, 1316-1322	3.3	21
68	A new metal-chelated beads for reversible use in uricase adsorption. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008 , 51, 36-41		20
67	Silane-modified magnetic beads: application to immunoglobulin G separation. <i>Biotechnology Progress</i> , 2007 , 23, 1149-56	2.8	20
66	Boronate affinity nanoparticles for RNA isolation. <i>Materials Science and Engineering C</i> , 2015 , 50, 251-6	8.3	19
65	Molecular imprinted magnetic nanoparticles for controlled delivery of mitomycin C. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014 , 42, 316-22	6.1	19
64	Purification of yeast alcohol dehydrogenase by using immobilized metal affinity cryogels. <i>Materials Science and Engineering C</i> , 2013 , 33, 4842-8	8.3	18
63	Poly(hydroxyethyl methacrylate-co-methacryloylamidotryptophane) nanospheres and their utilization as affinity adsorbents for porcine pancreas lipase adsorption. <i>Materials Science and Engineering C</i> , 2010 , 30, 1285-1290	8.3	18
62	Reversible immobilization of urease by using bacterial cellulose nanofibers. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 171, 2285-94	3.2	17
61	Reversible adsorption of catalase onto Fe(3+) chelated poly(AAm-GMA)-IDA cryogels. <i>Materials Science and Engineering C</i> , 2015 , 50, 379-85	8.3	16
60	Purification of alcohol dehydrogenase from <i>Saccharomyces cerevisiae</i> using magnetic dye-ligand affinity nanostructures. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 169, 2153-64	3.2	16
59	A new morphological approach for removing acid dye from leather waste water: preparation and characterization of metal-chelated spherical particulated membranes (SPMs). <i>Journal of Environmental Management</i> , 2015 , 151, 295-302	7.9	16
58	Dye-affinity hollow fibers for α -Casein purification. <i>Reactive and Functional Polymers</i> , 2008 , 68, 225-232	4.6	16
57	Dye Attached Nanoparticles for Lysozyme Adsorption. <i>Separation Science and Technology</i> , 2014 , 49, 1270-1278	10.5	15
56	Metal-chelating nanopolymers for antibody purification from human plasma. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 168, 1528-39	3.2	15

55	Purification of papain using reactive green 5 attached supermacroporous monolithic cryogel. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 552-63	3.2	15
54	Development of the magnetic beads for dye ligand affinity chromatography and application to magnetically stabilized fluidized bed system. <i>Process Biochemistry</i> , 2010 , 45, 556-562	4.8	15
53	Porous dye affinity beads for albumin separation from human plasma. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 1251-1260	2.9	15
52	Synthesis and characterization of albumin imprinted polymeric hydrogel membranes for proteomic studies. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018 , 29, 2218-2236	3.5	15
51	Immobilization of amyloglucosidase onto macroporous cryogels for continuous glucose production from starch. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 1112-25	3.5	14
50	Dye-affinity hollow-fibres and their lysozyme adsorption-desorption characteristics. <i>Polymer International</i> , 2001 , 50, 1143-1149	3.3	14
49	Silanized polymeric nanoparticles for DNA isolation. <i>Materials Science and Engineering C</i> , 2013 , 33, 4498-503	3.3	13
48	Cholesterol removal onto the different hydrophobic nanospheres: A comparison study. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 153-159	6.3	13
47	The fabrication of nanosensor-based surface plasmon resonance for IgG detection. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2013 , 41, 213-21	6.1	13
46	Adsorption of lysozyme from aqueous solutions by a novel bentonite-tryptophane (Bent-Trp) microcomposite affinity sorbent. <i>Journal of Molecular Structure</i> , 2015 , 1083, 156-162	3.4	12
45	Synthesis and characterization of amino acid containing Cu(II) chelated nanoparticles for lysozyme adsorption. <i>Materials Science and Engineering C</i> , 2013 , 33, 532-6	8.3	12
44	A novel affinity disks for bovine serum albumin purification. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 454-68	3.2	11
43	Estrone specific molecularly imprinted polymeric nanospheres: synthesis, characterization and applications for electrochemical sensor development. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 503-10	1.3	11
42	Controlled release of curcumin from poly(HEMA-MAPA) membrane. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 426-431	6.1	10
41	Polymeric amylase nanoparticles as a new semi-synthetic enzyme system for hydrolysis of starch. <i>Materials Science and Engineering C</i> , 2013 , 33, 1900-6	8.3	10
40	Polyhydroxyethylmethacrylate/polyhydroxybutyrate composite membranes for fluoride release. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 976-981	2.9	10
39	Immobilization of alcohol dehydrogenase onto metal-chelated cryogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 446-57	3.5	9
38	Antibody separation using lectin modified poly(HEMA-EDMA) hydrogel membranes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018 , 29, 344-359	3.5	9

37	Radiolabeling of new generation magnetic poly(HEMA-MAPA) nanoparticles with (131) I and preliminary investigation of its radiopharmaceutical potential using albino Wistar rats. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013 , 56, 708-16	1.9	9
36	Synthesis and biodistribution of novel magnetic-poly(HEMA-APH) nanopolymer radiolabeled with iodine-131 and investigation its fate in vivo for cancer therapy. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	8
35	Preparation and characterization of silanized poly(HEMA) nanoparticles for recognition of sugars. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 835-41	6.1	8
34	Preparation of molecular imprinted hydrophobic polymeric nanoparticles having structural memories for lysozyme recognition. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2012 , 40, 245-55		8
33	Porous dye affinity beads for nickel adsorption from aqueous solutions: A kinetic study. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 5056-5065	2.9	8
32	Synthesis and characterization of cryogel structures for isolation of EPSs from <i>Botryococcus braunii</i> . <i>Carbohydrate Polymers</i> , 2016 , 150, 378-84	10.3	8
31	Synthesis, characterization and toxicity assessment of a new polymeric nanoparticle, l-glutamic acid-g-p(HEMA). <i>Chemico-Biological Interactions</i> , 2020 , 315, 108870	5	8
30	Dye functionalized cryogel columns for reversible lysozyme adsorption. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 277-89	3.5	7
29	Poly(hydroxyethyl methacrylate-co-methacryloylglutamic acid) nanospheres for adsorption of Cd ²⁺ ions from aqueous solutions. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	7
28	Reversible lysozyme immobilization onto N,N'-bis-(3-(4-morpholino)-propyl)-3,4,9,10-perylenetetracarboxylic acid dimide (MPPDI) attached polymeric nanospheres. <i>Process Biochemistry</i> , 2012 , 47, 816-821	4.8	7
27	A novel support for antibody purification: fatty acid attached chitosan beads. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 70, 266-70	6	7
26	The usage of composite nanomaterials in biomedical engineering applications. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2906-2922	4.9	7
25	A model study by using polymeric molecular imprinting nanomaterials for removal of penicillin G. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 367	3.1	5
24	Reactive red 120 and Ni(II) derived poly(2-hydroxyethyl methacrylate) nanoparticles for urease adsorption. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
23	DNA isolation by galactacrylate-based nano-poly(HEMA-co-Gal-OPA) nanopolymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1469-1479	3.5	4
22	A novel radiolabeled graft polymer: Investigation of the radiopharmaceutical potential using Albino Wistar rats. <i>Applied Radiation and Isotopes</i> , 2019 , 154, 108872	1.7	4
21	Quercetin adsorption with imprinted polymeric materials. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019 , 30, 947-960	3.5	4
20	Boronate affinity nanoparticles for nucleoside separation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 322-7	6.1	4

19	Poly(HEMA-co-NBMI) monolithic cryogel columns for IgG adsorption. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 172, 1574-84	3.2	4
18	Immobilized metal ion affinity nanospheres for α -amylase immobilization. <i>Turkish Journal of Chemistry</i> , 2014 , 38, 28-40	1	4
17	Methacryloylamidohistidine in affinity ligands for immobilized metal-ion affinity chromatography of ferritin. <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 173-179	3.1	4
16	High Capacity Removal of Mercury(II) Ions by Poly(Hydroxyethyl Methacrylate) Nanoparticles 2010 , 23-38		4
15	Fluoride release from microporous poly(2-hydroxyethyl methacrylate) membranes. <i>Reactive and Functional Polymers</i> , 2003 , 56, 103-110	4.6	4
14	A Novel Catechol Oxidase Enzyme Electrode for the Specific Determination of Catechol. <i>Bioscience, Biotechnology and Biochemistry</i> , 1998 , 62, 2098-100	2.1	4
13	Nanobiosensors: Usability of Imprinted Nanopolymers 2021 , 163-202		4
12	Synthesis, characterization, toxicity and in vivo imaging of lysine graft polymeric nanoparticles. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	3
11	Hydrophobic nano-carrier for lysozyme adsorption. <i>Bulletin of Materials Science</i> , 2016 , 39, 353-359	1.7	3
10	Applications of Molecularly Imprinted Nanostructures in Biosensors and Medical Diagnosis 2017 , 201-218		2
9	A New Nanomaterial Based Biosensor for MUC1 Biomarker Detection in Early Diagnosis, Tumor Progression and Treatment of Cancer. <i>Nanomanufacturing</i> , 2021 , 1, 14-38		2
8	Mannose based polymeric nanoparticles for lectin separation. <i>Separation Science and Technology</i> , 2018 , 53, 2365-2375	2.5	2
7	Lectin attached affinity cryogels for amyloglucosidase adsorption. <i>Journal of Carbohydrate Chemistry</i> , 2018 , 37, 302-317	1.7	2
6	A new support material for IgG adsorption: <i>Syntrichia papillosissima</i> (Copp.) Loeske. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1363-1368	6.1	1
5	Preparation of Molecularly Imprinted SPR Nanosensor for Myoglobin Detection. <i>Current Applied Polymer Science</i> , 2018 , 2, 102-111	0.2	1
4	Preparation of a ^{99m}Tc -labeled graft polymer and its in vitro and in vivo evaluation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 329, 511-525	1.5	0
3	Conformational and electronic properties of N-methacryloyl-(L)-glutamic acid. <i>Physics and Chemistry of Liquids</i> , 2017 , 55, 532-540	1.5	
2	Advanced Functional Polymers for Biomedical Applications: Drug, Sensor, Diagnosis, and Prognosis. <i>Nanotechnology in the Life Sciences</i> , 2021 , 181-196	1.1	

- 1 p(HEMA)-RR241 hydrogel membranes with micron network for IgG depletion in proteomic studies.. 3.5
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