

Handan Yavuz Alagz

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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.

88 papers	2,289 citations	30 h-index	44 g-index
99 ext. papers	2,547 ext. citations	4.6 avg, IF	5.3 L-index

#	Paper	IF	Citations
88	Immobilization of glucoamylase onto spacer-arm attached magnetic poly(methylmethacrylate) microspheres: characterization and application to a continuous flow reactor. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000 , 11, 127-138		124
87	Molecularly Imprinted Polymer Based Sensors for Medical Applications. <i>Sensors</i> , 2019 , 19,	3.8	110
86	Molecular Imprinting of Macromolecules for Sensor Applications. <i>Sensors</i> , 2017 , 17,	3.8	96
85	Binding of antibodies to concanavalin A-modified monolithic cryogel. <i>Reactive and Functional Polymers</i> , 2006 , 66, 1263-1271	4.6	94
84	Poly(glycidyl methacrylate) beads embedded cryogels for pseudo-specific affinity depletion of albumin and immunoglobulin G. <i>Materials Science and Engineering C</i> , 2010 , 30, 323-329	8.3	93
83	Supermacroporous hydrophobic affinity cryogels for protein chromatography. <i>Biochemical Engineering Journal</i> , 2009 , 43, 272-279	4.2	75
82	SPR nanosensor based on molecularly imprinted polymer film with gold nanoparticles for sensitive detection of aflatoxin B1. <i>Talanta</i> , 2020 , 219, 121219	6.2	74
81	Selective removal of ¹⁷ β-estradiol with molecularly imprinted particle-embedded cryogel systems. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1819-26	12.8	62
80	Molecularly imprinted polymer based quartz crystal microbalance sensor system for sensitive and label-free detection of synthetic cannabinoids in urine. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 10-17	11.8	60
79	Iron removal from human plasma based on molecular recognition using imprinted beads. <i>Materials Science and Engineering C</i> , 2005 , 25, 521-528	8.3	56
78	Quartz crystal microbalance based biosensors for detecting highly metastatic breast cancer cells via their transferrin receptors. <i>Analytical Methods</i> , 2016 , 8, 153-161	3.2	52
77	Immobilization of α-amylase on Cu ²⁺ chelated poly(ethylene glycol dimethacrylate-n-vinyl imidazole) matrix via adsorption. <i>Reactive and Functional Polymers</i> , 2005 , 62, 61-68	4.6	52
76	Poly(hydroxyethyl methacrylate) based affinity cryogel for plasmid DNA purification. <i>International Journal of Biological Macromolecules</i> , 2011 , 48, 577-82	7.9	51
75	Poly(ethylene dimethacrylate-glycidyl methacrylate) Monolith as a Stationary Phase in Dye-Affinity Chromatography. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 6507-6513	3.9	51
74	Synthesis of cholesterol imprinted polymeric particles. <i>International Journal of Biological Macromolecules</i> , 2007 , 41, 8-15	7.9	48
73	Synthesis of tentacle-type magnetic beads as immobilized metal-chelate affinity support for cytochrome c adsorption. <i>International Journal of Biological Macromolecules</i> , 2006 , 38, 126-33	7.9	43
72	Purification of immunoglobulin G from human plasma by metal-chelate affinity chromatography. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1567-1572	2.9	39

71	Quartz crystal microbalance biosensor for label-free MDA MB 231 cancer cell detection via notch-4 receptor. <i>Talanta</i> , 2019 , 204, 840-845	6.2	38
70	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
69	Bilirubin Removal from Human Plasma with Albumin Immobilised Magnetic Poly(2-hydroxyethyl methacrylate) Beads. <i>Macromolecular Bioscience</i> , 2003 , 3, 471-476	5.5	36
68	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	2.5	36
67	Monosize and non-porous p(HEMA-co-MMA) microparticles designed as dye- and metal-chelate affinity sorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000 , 174, 307-317	5.1	36
66	Molecularly imprinted composite cryogel for albumin depletion from human serum. <i>Journal of Molecular Recognition</i> , 2012 , 25, 555-63	2.6	35
65	Rapid and sensitive detection of synthetic cannabinoids JWH-018, JWH-073 and their metabolites using molecularly imprinted polymer-coated QCM nanosensor in artificial saliva. <i>Microchemical Journal</i> , 2020 , 153, 104454	4.8	35
64	Surface plasmon resonance aptasensor for detection of human activated protein C. <i>Talanta</i> , 2019 , 194, 528-533	6.2	35
63	Oriented immobilized anti-LDL antibody carrying poly(hydroxyethyl methacrylate) cryogel for cholesterol removal from human plasma. <i>Materials Science and Engineering C</i> , 2011 , 31, 1078-1083	8.3	32
62	Concanavalin a immobilized affinity adsorbents for reversible use in yeast invertase adsorption. <i>Macromolecular Bioscience</i> , 2004 , 4, 674-9	5.5	32
61	Congo Red attached monosize poly(HEMA-co-MMA) microspheres for use in reversible enzyme immobilisation. <i>Biochemical Engineering Journal</i> , 2002 , 10, 1-8	4.2	32
60	Immunoabsorption of cholesterol on protein A oriented beads. <i>Macromolecular Bioscience</i> , 2005 , 5, 39-48	4.5	31
59	A new metal chelate affinity adsorbent for cytochrome C. <i>Biotechnology Progress</i> , 2004 , 20, 223-8	2.8	30
58	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
57	Preparation of imprinted cryogel cartridge for chiral separation of l-phenylalanine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 800-807	6.1	29
56	Molecularly Imprinted Quartz Crystal Microbalance Sensor (QCM) for Bilirubin Detection. <i>Chemosensors</i> , 2016 , 4, 21	4	28
55	Antibody purification by concanavalin A affinity chromatography. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 1202-1208	2.9	27
54	Nonporous monosize polymeric sorbents: Dye and metal chelate affinity separation of lysozyme. <i>Journal of Applied Polymer Science</i> , 2000 , 76, 115-124	2.9	27

53	Controlled release of mitomycin C from PHEMAH-Cu(II) cryogel membranes. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 946-954	6.1	24
52	Dye affinity hollow fibers for albumin purification. <i>Macromolecular Bioscience</i> , 2004 , 4, 84-91	5.5	23
51	Bilirubin removal from human plasma by dye affinity microporous hollow fibers. <i>Separation Science and Technology</i> , 2002 , 37, 1989-2006	2.5	23
50	Immobilized metal affinity beads for ferritin adsorption. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005 , 16, 673-84	3.5	22
49	Cibacron Blue F3GA incorporated poly(methylmethacrylate) beads for albumin adsorption in batch system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 223, 185-193	5.1	22
48	Mannose-specific lectin isolation from <i>Canavalia ensiformis</i> seeds by PHEMA-based cryogel. <i>Biotechnology Progress</i> , 2012 , 28, 756-61	2.8	20
47	Affinity adsorption of recombinant human interferon- γ on a porous dye-affinity adsorbent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 240, 93-99	5.1	20
46	Performance of dye-affinity beads for aluminium removal in magnetically stabilized fluidized bed. <i>Biomagnetic Research and Technology</i> , 2004 , 2, 5		19
45	Molecularly imprinted cryogel membranes for mitomycin C delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 519-531	3.5	18
44	Ion imprinted beads embedded cryogels for in vitro removal of iron from β -thalassemic human plasma. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 254-262	2.9	18
43	Antibody purification using porous metal-chelated monolithic columns. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 395-404	2.9	18
42	Immunoaffinity beads for selective removal of cholesterol from human plasma. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 395-409	3.5	16
41	Purification of urease from jack bean (<i>Canavalia ensiformis</i>) with copper (II) chelated poly(hydroxyethyl methacrylate-N-methacryloyl-(L)-histidine methyl ester) cryogels. <i>Journal of Molecular Recognition</i> , 2012 , 25, 549-54	2.6	15
40	Performance of protein-A-based affinity membranes for antibody purification. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 2325-41	3.5	15
39	Methacryloylamidoglutamic acid having porous magnetic beads as a stationary phase in metal chelate affinity chromatography. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006 , 17, 213-26	3.5	15
38	Immobilization of glucoamylase on the plain and on the spacer arm-attached poly(HEMA-EGDMA) microspheres. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 2702-2710	2.9	15
37	Therapeutic affinity adsorption of iron(III) with dye- and ferritin-immobilized pHEMA adsorbent. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 186-194	2.9	15
36	HbA1c detection via high-sensitive boronate based surface plasmon resonance sensor. <i>Sensors and Actuators B: Chemical</i> , 2020 , 306, 127561	8.5	15

35	Cholesterol removal from various samples by cholesterol-imprinted monosize microsphere-embedded cryogels. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014 , 42, 365-75	6.1	14
34	Concanavalin A immobilized magnetic poly(glycidyl methacrylate) beads for prostate specific antigen binding. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 461-8	6	13
33	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
32	Concanavalin A immobilized magnetic poly(glycidyl methacrylate) beads for antibody purification. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 1867-1874	2.9	11
31	Poly(hydroxyethyl methacrylate) based affinity membranes for in vitro removal of anti-dsDNA antibodies from SLE plasma. <i>International Journal of Biological Macromolecules</i> , 2010 , 47, 44-9	7.9	10
30	Concanavalin A Binding on PHEMA Beads and Their Interactions with Myeloma Cells. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008 , 46, 163-169	2.2	10
29	Synthesis and characterization of pseudo-affinity ligand for penicillin acylase purification. <i>International Journal of Biological Macromolecules</i> , 2006 , 39, 250-5	7.9	10
28	Quartz crystal microbalance based histidine sensor. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 221-227	6.1	9
27	Development of Gold Nanoparticles Decorated Molecularly ImprintedBased Plasmonic Sensor for the Detection of Aflatoxin M1 in Milk Samples. <i>Chemosensors</i> , 2021 , 9, 363	4	9
26	Purification of transferrin by magnetic immunoaffinity beads. <i>Journal of Separation Science</i> , 2015 , 38, 2729-36	3.4	8
25	N-acetyl-D-galactosamine-specific lectin isolation from soyflour with poly(HPMA-GMA) beads. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 148-154	2.9	8
24	Protein chromatography by molecular imprinted cryogels. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020 , 43, 657-670	1.3	8
23	Affinity separation of plasma proteins using a newly synthesized methacrylamidoalanine incorporated porous pHEMA membranes. <i>Separation Science and Technology</i> , 2002 , 37, 2077-2095	2.5	7
22	Electrochromatographic separation of hydrophobic amino acid enantiomers by molecularly imprinted capillary columns. <i>Process Biochemistry</i> , 2020 , 92, 69-77	4.8	6
21	Purification of penicillin acylase through a monolith column containing methacryloyl antipyrine. <i>Separation and Purification Technology</i> , 2007 , 55, 1-7	8.3	6
20	Antibody purification from human plasma by metal-chelated affinity membranes. <i>Methods in Molecular Biology</i> , 2015 , 1286, 43-6	1.4	6
19	Surface Plasmon Resonance Sensors for Medical Diagnosis 2018 , 425-458		5
18	Therapeutic protein and drug imprinted nanostructures as controlled delivery tools 2018 , 439-473		5

17	Antibody purification from human plasma by metal-chelated affinity membranes. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 3476-3484	2.9	5
16	Surface-imprinted silica particles for Concanavalin A purification from <i>Canavalia ensiformis</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1136, 121852	3.2	5
15	Commercial sensors for pathogen detection 2020 , 89-106		4
14	Evaluation of hydrochar efficiency for simultaneous removal of diclofenac and ibuprofen from aqueous system using surface response methodology. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 9796-9804	5.1	3
13	Cysteinyhexapeptide Attached Poly(2-Hydroxyethyl Methacrylate) Beads for Cd(II) Removal from Human Plasma in a Packed-Bed Column. <i>Separation Science and Technology</i> , 2003 , 38, 1869-1881	2.5	3
12	Dye-ligand column chromatography: Albumin adsorption from aqueous media and human plasma with dye-affinity microbeads. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 2803-2810	2.9	3
11	Synthesis of molecularly imprinted magnetic nanoparticles for selective cytidine adsorption. <i>Separation Science Plus</i> , 2021 , 4, 147-156	1.1	3
10	Separation of histidine enantiomers by capillary electrochromatography with molecularly imprinted monolithic columns. <i>Separation Science Plus</i> , 2020 , 3, 235-245	1.1	2
9	Cryogels for Affinity Chromatography. <i>Chromatographic Science</i> , 2014 , 39-68		1
8	Cryogels: Applications in Extracorporeal Affinity Therapy 2016 , 391-420		1
7	Preparation of Surface Plasmon Resonance Aptasensor for Human Activated Protein C Sensing. <i>Methods in Molecular Biology</i> , 2022 , 2393, 37-56	1.4	0
6	Plasmonic Sensors for Detection of Chemical and Biological Warfare Agents 2021 , 71-85		0
5	Preparation of Notch-4 Receptor Containing Quartz Crystal Microbalance Biosensor for MDA MB 231 Cancer Cell Detection. <i>Methods in Molecular Biology</i> , 2022 , 2393, 515-533	1.4	
4	Purification of Plasma from Cholesterol by Immunoaffinity Membranes 2014 , 1-2		
3	Extracorporeal affinity systems and immunoabsorption therapies 2022 , 41-55		
2	Molecularly Imprinted Based Sensors for Detection of Allergens 2021 , 309-334		
1	Scaling up of biosensors for clinical applications and commercialization 2022 , 407-421		