

# Handan Yavuz Alagz

## List of Publications by Year in Descending Order

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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	Preparation of Notch-4 Receptor Containing Quartz Crystal Microbalance Biosensor for MDA MB 231 Cancer Cell Detection. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2393, 515-533	1.4	
87	Preparation of Surface Plasmon Resonance Aptasensor for Human Activated Protein C Sensing. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2393, 37-56	1.4	0
86	Extracorporeal affinity systems and immunoabsorption therapies <b>2022</b> , 41-55		
85	Scaling up of biosensors for clinical applications and commercialization <b>2022</b> , 407-421		
84	Molecularly Imprinted Based Sensors for Detection of Allergens <b>2021</b> , 309-334		
83	Synthesis of molecularly imprinted magnetic nanoparticles for selective cytidine adsorption. <i>Separation Science Plus</i> , <b>2021</b> , 4, 147-156	1.1	3
82	Development of Gold Nanoparticles Decorated Molecularly Imprinted Based Plasmonic Sensor for the Detection of Aflatoxin M1 in Milk Samples. <i>Chemosensors</i> , <b>2021</b> , 9, 363	4	9
81	SPR nanosensor based on molecularly imprinted polymer film with gold nanoparticles for sensitive detection of aflatoxin B1. <i>Talanta</i> , <b>2020</b> , 219, 121219	6.2	74
80	Electrochromatographic separation of hydrophobic amino acid enantiomers by molecularly imprinted capillary columns. <i>Process Biochemistry</i> , <b>2020</b> , 92, 69-77	4.8	6
79	Separation of histidine enantiomers by capillary electrochromatography with molecularly imprinted monolithic columns. <i>Separation Science Plus</i> , <b>2020</b> , 3, 235-245	1.1	2
78	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> , <b>2020</b> , 153, 104454	4.8	35
77	HbA1c detection via high-sensitive boronate based surface plasmon resonance sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 306, 127561	8.5	15
76	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> , <b>2020</b> , 1136, 121852	3.2	5
75	Commercial sensors for pathogen detection <b>2020</b> , 89-106		4
74	Protein chromatography by molecular imprinted cryogels. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2020</b> , 43, 657-670	1.3	8
73	Quartz crystal microbalance based histidine sensor. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2019</b> , 47, 221-227	6.1	9
72	Molecularly Imprinted Polymer Based Sensors for Medical Applications. <i>Sensors</i> , <b>2019</b> , 19,	3.8	110

71	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> , <b>2019</b> , 26, 9796-9804	5.1	3
70	Quartz crystal microbalance biosensor for label-free MDA MB 231 cancer cell detection via notch-4 receptor. <i>Talanta</i> , <b>2019</b> , 204, 840-845	6.2	38
69	Surface plasmon resonance aptasensor for detection of human activated protein C. <i>Talanta</i> , <b>2019</b> , 194, 528-533	6.2	35
68	Controlled release of mitomycin C from PHEMAH-Cu(II) cryogel membranes. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 946-954	6.1	24
67	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> , <b>2018</b> , 111, 10-17	11.8	60
66	Surface Plasmon Resonance Sensors for Medical Diagnosis <b>2018</b> , 425-458		5
65	Therapeutic protein and drug imprinted nanostructures as controlled delivery tools <b>2018</b> , 439-473		5
64	Preparation of imprinted cryogel cartridge for chiral separation of l-phenylalanine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2017</b> , 45, 800-807	6.1	29
63	Molecularly imprinted cryogel membranes for mitomycin C delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2017</b> , 28, 519-531	3.5	18
62	Molecular Imprinting of Macromolecules for Sensor Applications. <i>Sensors</i> , <b>2017</b> , 17,	3.8	96
61	Quartz crystal microbalance based biosensors for detecting highly metastatic breast cancer cells via their transferrin receptors. <i>Analytical Methods</i> , <b>2016</b> , 8, 153-161	3.2	52
60	Molecularly Imprinted Quartz Crystal Microbalance Sensor (QCM) for Bilirubin Detection. <i>Chemosensors</i> , <b>2016</b> , 4, 21	4	28
59	Cryogels: Applications in Extracorporeal Affinity Therapy <b>2016</b> , 391-420		1
58	Concanavalin A immobilized magnetic poly(glycidyl methacrylate) beads for prostate specific antigen binding. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 134, 461-8	6	13
57	Purification of transferrin by magnetic immunoaffinity beads. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 2729-36	3.4	8
56	Antibody purification from human plasma by metal-chelated affinity membranes. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1286, 43-6	1.4	6
55	Cryogels for Affinity Chromatography. <i>Chromatographic Science</i> , <b>2014</b> , 39-68		1
54	Cholesterol removal from various samples by cholesterol-imprinted monosize microsphere-embedded cryogels. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2014</b> , 42, 365-75	6.1	14

53 Purification of Plasma from Cholesterol by Immunoaffinity Membranes **2014**, 1-2

52	The fabrication of nanosensor-based surface plasmon resonance for IgG detection. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2013</b> , 41, 213-21	6.1	13
51	Antibody purification from human plasma by metal-chelated affinity membranes. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 3476-3484	2.9	5
50	Molecularly imprinted composite cryogel for albumin depletion from human serum. <i>Journal of Molecular Recognition</i> , <b>2012</b> , 25, 555-63	2.6	35
49	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> , <b>2012</b> , 25, 549-54	2.6	15
48	Concanavalin A immobilized magnetic poly(glycidyl methacrylate) beads for antibody purification. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1867-1874	2.9	11
47	Ion imprinted beads embedded cryogels for in vitro removal of iron from $\beta$ -thalassemic human plasma. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 254-262	2.9	18
46	Mannose-specific lectin isolation from <i>Canavalia ensiformis</i> seeds by PHEMA-based cryogel. <i>Biotechnology Progress</i> , <b>2012</b> , 28, 756-61	2.8	20
45	Poly(hydroxyethyl methacrylate) based affinity cryogel for plasmid DNA purification. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 48, 577-82	7.9	51
44	Selective removal of $^{17}\beta$ -estradiol with molecularly imprinted particle-embedded cryogel systems. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 192, 1819-26	12.8	62
43	Performance of protein-A-based affinity membranes for antibody purification. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2011</b> , 22, 2325-41	3.5	15
42	Oriented immobilized anti-LDL antibody carrying poly(hydroxyethyl methacrylate) cryogel for cholesterol removal from human plasma. <i>Materials Science and Engineering C</i> , <b>2011</b> , 31, 1078-1083	8.3	32
41	Poly(hydroxyethyl methacrylate) based affinity membranes for in vitro removal of anti-dsDNA antibodies from SLE plasma. <i>International Journal of Biological Macromolecules</i> , <b>2010</b> , 47, 44-9	7.9	10
40	Poly(glycidyl methacrylate) beads embedded cryogels for pseudo-specific affinity depletion of albumin and immunoglobulin G. <i>Materials Science and Engineering C</i> , <b>2010</b> , 30, 323-329	8.3	93
39	N-acetyl-D-galactosamine-specific lectin isolation from soyflour with poly(HPMA-GMA) beads. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 111, 148-154	2.9	8
38	Supermacroporous hydrophobic affinity cryogels for protein chromatography. <i>Biochemical Engineering Journal</i> , <b>2009</b> , 43, 272-279	4.2	75
37	Concanavalin A Binding on PHEMA Beads and Their Interactions with Myeloma Cells. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2008</b> , 46, 163-169	2.2	10
36	Purification of penicillin acylase through a monolith column containing methacryloyl antipyrine. <i>Separation and Purification Technology</i> , <b>2007</b> , 55, 1-7	8.3	6

35	Immunoglobulin G depletion from human serum with metal-chelated beads under magnetic field. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 40, 254-60	7.9	37
34	Synthesis of cholesterol imprinted polymeric particles. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 41, 8-15	7.9	48
33	Binding of antibodies to concanavalin A-modified monolithic cryogel. <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 1263-1271	4.6	94
32	Antibody purification using porous metal-chelated monolithic columns. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 395-404	2.9	18
31	Methacryloylamidoglutamic acid having porous magnetic beads as a stationary phase in metal chelate affinity chromatography. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2006</b> , 17, 213-26	3.5	15
30	Synthesis of tentacle-type magnetic beads as immobilized metal-chelate affinity support for cytochrome c adsorption. <i>International Journal of Biological Macromolecules</i> , <b>2006</b> , 38, 126-33	7.9	43
29	Synthesis and characterization of pseudo-affinity ligand for penicillin acylase purification. <i>International Journal of Biological Macromolecules</i> , <b>2006</b> , 39, 250-5	7.9	10
28	Affinity separation of immunoglobulin G subclasses on dye attached poly(hydroxypropyl methacrylate) beads. <i>International Journal of Biological Macromolecules</i> , <b>2006</b> , 39, 303-9	7.9	30
27	Immobilized metal affinity beads for ferritin adsorption. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2005</b> , 16, 673-84	3.5	22
26	Immobilization of $\alpha$ -amylase on $\text{Cu}^{2+}$ chelated poly(ethylene glycol dimethacrylate-n-vinyl imidazole) matrix via adsorption. <i>Reactive and Functional Polymers</i> , <b>2005</b> , 62, 61-68	4.6	52
25	Antibody purification by concanavalin A affinity chromatography. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 97, 1202-1208	2.9	27
24	Immunoabsorption of cholesterol on protein A oriented beads. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 39-48	4.5	31
23	Iron removal from human plasma based on molecular recognition using imprinted beads. <i>Materials Science and Engineering C</i> , <b>2005</b> , 25, 521-528	8.3	56
22	A new metal chelate affinity adsorbent for cytochrome C. <i>Biotechnology Progress</i> , <b>2004</b> , 20, 223-8	2.8	30
21	Dye affinity hollow fibers for albumin purification. <i>Macromolecular Bioscience</i> , <b>2004</b> , 4, 84-91	5.5	23
20	Concanavalin a immobilized affinity adsorbents for reversible use in yeast invertase adsorption. <i>Macromolecular Bioscience</i> , <b>2004</b> , 4, 674-9	5.5	32
19	Affinity adsorption of recombinant human interferon- $\beta$ on a porous dye-affinity adsorbent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 240, 93-99	5.1	20
18	Poly(ethylene dimethacrylate-glycidyl methacrylate) Monolith as a Stationary Phase in Dye-Affinity Chromatography. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 6507-6513	3.9	51

17	Performance of dye-affinity beads for aluminium removal in magnetically stabilized fluidized bed. <i>Biomagnetic Research and Technology</i> , <b>2004</b> , 2, 5		19
16	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> , <b>2003</b> , 38, 1869-1881	2.5	3
15	Bilirubin Removal from Human Plasma with Albumin Immobilised Magnetic Poly(2-hydroxyethyl methacrylate) Beads. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 471-476	5.5	36
14	Purification of immunoglobulin G from human plasma by metal-chelate affinity chromatography. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 1567-1572	2.9	39
13	Cibacron Blue F3GA incorporated poly(methylmethacrylate) beads for albumin adsorption in batch system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 223, 185-193	5.1	22
12	Immunoaffinity beads for selective removal of cholesterol from human plasma. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2003</b> , 14, 395-409	3.5	16
11	Congo Red attached monosize poly(HEMA-co-MMA) microspheres for use in reversible enzyme immobilisation. <i>Biochemical Engineering Journal</i> , <b>2002</b> , 10, 1-8	4.2	32
10	Bilirubin removal from human plasma by dye affinity microporous hollow fibers. <i>Separation Science and Technology</i> , <b>2002</b> , 37, 1989-2006	2.5	23
9	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
8	Affinity separation of plasma proteins using a newly synthesized methacrylamidoalanine incorporated porous pHEMA membranes. <i>Separation Science and Technology</i> , <b>2002</b> , 37, 2077-2095	2.5	7
7	Immobilization of glucoamylase on the plain and on the spacer arm-attached poly(HEMA-EGDMA) microspheres. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 81, 2702-2710	2.9	15
6	Therapeutic affinity adsorption of iron(III) with dye- and ferritin-immobilized pHEMA adsorbent. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 82, 186-194	2.9	15
5	Nonporous monosize polymeric sorbents: Dye and metal chelate affinity separation of lysozyme. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 76, 115-124	2.9	27
4	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> , <b>2000</b> , 174, 307-317	5.1	36
3	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> , <b>2000</b> , 11, 127-138		124
2	Dye-ligand column chromatography: Albumin adsorption from aqueous media and human plasma with dye-affinity microbeads. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 74, 2803-2810	2.9	3
1	Plasmonic Sensors for Detection of Chemical and Biological Warfare Agents71-85		0