

# Arzu Ersz

## 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.

102  
papers

2,760  
citations

29  
h-index

50  
g-index

104  
ext. papers

2,961  
ext. citations

5.2  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
102	Application of HRP-streptavidin bionanoparticles for potentiometric biotin determination. <i>Bioelectrochemistry</i> , <b>2021</b> , 144, 107993	5.6	0
101	RuBisCO nano enzyme for mimicking CO conversion system in plants. <i>Biotechnology and Applied Biochemistry</i> , <b>2021</b> , 68, 392-403	2.8	1
100	Development of potentiometric biosensor for diagnosis of prostate cancer. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2021</b> , 263, 114789	3.1	6
99	In situ and non-cytotoxic cross-linking strategy for 3D printable biomaterials. <i>Soft Matter</i> , <b>2021</b> , 17, 10083-10154	5.1	4
98	Selective Recognition and Separation of Ubiquitin by Nanoparticle Embedded Cryogel Traps with Ubiquitin Memories Based on Photosensitive Covalent Imprinting. <i>Journal of Analytical Chemistry</i> , <b>2021</b> , 76, 165-171	1.1	0
97	Development of molecular imprinting-based smart cryogels for selective recognition and separation of serum cytochrome-c as a biochemical indicator. <i>Process Biochemistry</i> , <b>2021</b> , 106, 112-119	4.8	2
96	Photosystem (PSII)-based hybrid nanococktails for the fabrication of BIO-DSSC and photo-induced memory device. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 401, 112743	4.7	4
95	A novel lanthanide-chelate based molecularly imprinted cryogel for purification of hemoglobin from blood serum: An alternative method for thalassemia diagnosis. <i>Process Biochemistry</i> , <b>2020</b> , 91, 189-196	4.8	6
94	A powerful combination in designing polymeric scaffolds: 3D bioprinting and cryogelation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 1-13	3	3
93	Anti-LDL antibody-nanoparticles embedded cryogel for low density lipoprotein-depletion from hypercholesterolemic human serum. <i>Separation Science and Technology</i> , <b>2020</b> , 55, 1786-1794	2.5	1
92	Metal chelate based site recognition of ceruloplasmin using molecularly imprinted polymer/cryogel system. <i>Separation Science and Technology</i> , <b>2020</b> , 55, 199-208	2.5	6
91	Imprinted Materials <b>2020</b> , 317-350		12
90	DNA ligase photocrosslinked cryogenic column based biotinylation kit for viral hybridization and detection. <i>Process Biochemistry</i> , <b>2019</b> , 84, 213-219	4.8	
89	Synergistic effect of binanoenzyme and cryogel column on the production of formic acid from carbondioxide. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 76, 251-257	6.3	1
88	Proteinous Polymeric Shell Decorated Nanocrystals for the Recognition of Immunoglobulin M. <i>Journal of Fluorescence</i> , <b>2019</b> , 29, 609-617	2.4	4
87	Light harvesting and photo-induced electrochemical devices based on bionanocage proteins. <i>Journal of Power Sources</i> , <b>2019</b> , 440, 227119	8.9	7
86	Concanavalin A photocross-linked affinity cryogels for the purification of horseradish peroxidase. <i>Adsorption Science and Technology</i> , <b>2018</b> , 36, 1199-1212	3.6	5

85	Ferritin based bionanocages as novel biomemory device concept. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 103, 19-25	11.8	13
84	3D Micropatterned All-Flexible Microfluidic Platform for Microwave-Assisted Flow Organic Synthesis. <i>ChemPlusChem</i> , <b>2018</b> , 83, 42-46	2.8	16
83	Ion imprinted cryogel-based supermacroporous traps for selective separation of cerium(III) in real samples. <i>Journal of Rare Earths</i> , <b>2018</b> , 36, 857-862	3.7	26
82	Molecularly imprinted affinity cryogels for the selective recognition of myoglobin in blood serum. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1174, 171-176	3.4	23
81	Adsorption behaviours of lysozyme onto poly-hydroxyethyl methacrylate cryogels containing methacryloyl antipyrine-Ce(III). <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2018</b> , 67, 199-204	3	6
80	Nano-hemoglobin film based sextet state biomemory device by cross-linked photosensitive hapten monomer. <i>Talanta</i> , <b>2018</b> , 176, 85-91	6.2	5
79	Multifunctional nanoenzymes from carbonic anhydrase skeleton. <i>Process Biochemistry</i> , <b>2018</b> , 72, 71-78	4.8	1
78	Phosphoserine imprinted nanosensor for detection of Cancer Antigen 125. <i>Talanta</i> , <b>2017</b> , 167, 172-180	6.2	26
77	Multistate proteinous biomemory device based on redox controllable hapten cross-linker. <i>Materials Science and Engineering C</i> , <b>2017</b> , 79, 336-342	8.3	8
76	Synergistic thallium and iodine memory-based cryogel traps for removing thallium and iodine ions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 314, 2229-2236	1.5	1
75	Molecular Imprinting Technology in Quartz Crystal Microbalance (QCM) Sensors. <i>Sensors</i> , <b>2017</b> , 17,	3.8	50
74	Molecularly Imprinted Polymer-based Micro- and Nanotraps for Solid-phase Extraction <b>2016</b> , 129-163		5
73	Simultaneous depletion of albumin and immunoglobulin G by using twin affinity magnetic nanotraps. <i>Separation Science and Technology</i> , <b>2016</b> , 51, 2080-2089	2.5	13
72	Potentiometric sensor fabrication having 2D sarcosine memories and analytical features. <i>Materials Science and Engineering C</i> , <b>2016</b> , 69, 231-5	8.3	17
71	Biopolymer based ion imprinting cryogel traps for the removal of Tl(I). <i>Separation Science and Technology</i> , <b>2016</b> , 51, 901-908	2.5	5
70	Determination of Clenbuterol by Multiwalled Carbon Nanotube Potentiometric Sensors. <i>Analytical Letters</i> , <b>2016</b> , 49, 778-789	2.2	13
69	A new approach for the construction of dual character in nanosystems. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 222, 1012-1017	8.5	3
68	Biomimetic Imprinted Polymers: Theory, Design Methods, and Catalytic Applications <b>2016</b> , 103-120		2

67	Ligand exchange and MIP-based paraoxon memories onto QCM sensor. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 119, 351-357	2.6	6
66	Ion-Imprinted Polymers for Selective Recognition of Neodymium(III) in Environmental Samples. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 5328-5335	3.9	45
65	Double-imprinted potentiometric sensors based on ligand exchange for the determination of dimethoate. <i>Korean Journal of Chemical Engineering</i> , <b>2015</b> , 32, 1613-1617	2.8	5
64	Reusable nanocopy machine particles for the replication of DNA. <i>Biotechnology Progress</i> , <b>2015</b> , 31, 119-238		6
63	Nano anti-tumor necrosis factor-alpha based potentiometric sensor for tumor necrosis factor-alpha detection. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 209, 864-869	8.5	12
62	Developing column material for the separation of serum amyloid P and C reactive protein from biological sources. <i>Biomedical Chromatography</i> , <b>2014</b> , 28, 1345-51	1.7	5
61	Development of New Molecular Imprinted Solid Phase Extraction Material for Dimethoate. <i>Spectroscopy Letters</i> , <b>2014</b> , 47, 168-176	1.1	6
60	Bitargeting and ambushing nanotheranostics. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2014</b> , 42, 138-45	6.1	0
59	Polyvalent integrin antagonist-decorated superparamagnetic iron oxide nanoparticles for triggering apoptosis in human leukemia cancer cells. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	
58	Separation and purification of hyaluronic acid by embedded glucuronic acid imprinted polymers into cryogel. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 934, 46-52	3.2	28
57	Novel nanoimaging approach: antibody polymeric nanolabel for intracellular alpha-fetoprotein targeted monitoring. <i>Biotechnology Progress</i> , <b>2013</b> , 29, 472-9	2.8	7
56	Simultaneous depletion of immunoglobulin G and albumin from human plasma using novel monolithic cryogel columns. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 112, 1-8	6	20
55	Nanolabel for TNF- $\alpha$ determination. <i>Applied Surface Science</i> , <b>2013</b> , 275, 233-238	6.7	8
54	Silan based paraoxon memories onto QCM electrodes. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2013</b> , 19, 1788-1792	6.3	6
53	Paraoxon imprinted biopolymer based QCM sensor. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 139, 107-112	4.4	22
52	Polymeric amylase nanoparticles as a new semi-synthetic enzyme system for hydrolysis of starch. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 1900-6	8.3	10
51	4-Aminophenyl boronic acid modified gold platforms for influenza diagnosis. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 824-30	8.3	21
50	Ligand exchange based paraoxon imprinted QCM sensor. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 938-42	8.3	24

49	New synthesis method for 4-MAPBA monomer and using for the recognition of IgM and mannose with MIP-based QCM sensors. <i>Analyst, The</i> , <b>2013</b> , 138, 1558-63	5	27
48	Preparation of new molecularly imprinted nanosensor for cholic acid determination. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 162, 153-158	8.5	29
47	Investigation of synthetic lipase and its use in transesterification reactions. <i>Polymer</i> , <b>2012</b> , 53, 1981-1984	3.9	17
46	Mutual recognition of TNT using antibodies polymeric shell having CdS. <i>Talanta</i> , <b>2012</b> , 90, 103-8	6.2	11
45	Gold-silver-nanoclusters having cholic acid imprinted nanoshell. <i>Talanta</i> , <b>2012</b> , 93, 364-70	6.2	20
44	Novel protein photocrosslinking and cryopolymerization method for cryogel-based antibacterial material synthesis. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 145-151	2.9	6
43	Semi-synthetic biotin imprinting onto avidin crosslinked gold/silver nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	4
42	Bioconjugated and cross-linked bionanostructures for bifunctional immunohistochemical labeling. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 324-30	0.5	1
41	Superparamagnetic nanotraps containing MIP based mimic lipase for biotransformations uses. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 2073-2079	2.3	40
40	Investigation of photosensitively bioconjugated targeted quantum dots for the labeling of Cu/Zn superoxide dismutase in fixed cells and tissue sections. <i>Histochemistry and Cell Biology</i> , <b>2011</b> , 135, 523-30	2.4	15
39	A novel nanoprotein particle synthesis: Nanolipase. <i>Process Biochemistry</i> , <b>2011</b> , 46, 1688-1692	4.8	20
38	Imprinted polymer/organo-smectite nanocomposites for paraoxon hydrolysis. <i>Applied Clay Science</i> , <b>2010</b> , 47, 223-228	5.2	13
37	Biomimicking, metal-chelating and surface-imprinted polymers for the degradation of pesticides. <i>Reactive and Functional Polymers</i> , <b>2010</b> , 70, 238-243	4.6	40
36	Thiocyanate separation by imprinted polymeric systems. <i>Mikrochimica Acta</i> , <b>2010</b> , 169, 129-135	5.8	6
35	Nanosensors having dipicolinic acid imprinted nanoshell for Bacillus cereus spores detection. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 2069-2079	2.3	24
34	Preparation of new molecularly imprinted quartz crystal microbalance hybride sensor system for 8-hydroxy-2'-deoxyguanosine determination. <i>Analytica Chimica Acta</i> , <b>2009</b> , 640, 82-6	6.6	42
33	8-OHdG sensing with MIP based solid phase extraction and QCM technique. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 137, 7-11	8.5	35
32	Separation and purification of hyaluronic acid by glucuronic acid imprinted microbeads. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 1404-1408	8.3	28

31	Gold nanoparticles having dipicolinic acid imprinted nanoshell for <i>Bacillus cereus</i> spores recognition. <i>Applied Surface Science</i> , <b>2009</b> , 256, 142-148	6.7	44
30	Gold-silver nanoclusters having dipicolinic acid imprinted nanoshell for <i>Bacillus cereus</i> spores recognition. <i>Talanta</i> , <b>2009</b> , 78, 1332-8	6.2	39
29	Quantum dot nanocrystals having guanosine imprinted nanoshell for DNA recognition. <i>Talanta</i> , <b>2008</b> , 75, 890-6	6.2	100
28	Polymer/Clay Nanocomposite Iron Traps Based on Intersurface Ion-Imprinting. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 2258-2264	3.9	25
27	Synergie between molecular imprinted polymer based on solid-phase extraction and quartz crystal microbalance technique for 8-OHdG sensing. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 742-7	11.8	38
26	Molecularly imprinted ligand-exchange recognition assay of DNA by SPR system using guanosine and guanine recognition sites of DNA. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 133, 484-488	8.5	28
25	Removal of mercury species with dithiocarbamate-anchored polymer/organosmectite composites. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 150, 560-4	12.8	82
24	Preconcentration of phosphate ion onto ion-imprinted polymer. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 157, 130-6	12.8	29
23	Cr(III)-imprinted polymeric beads: Sorption and preconcentration studies. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 140, 110-6	12.8	127
22	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
21	Mimicking receptor for methylmercury preconcentration based on ion-imprinting. <i>Talanta</i> , <b>2007</b> , 71, 699-705	6.2	36
20	Ion-imprinted beads for molecular recognition based mercury removal from human serum. <i>International Journal of Biological Macromolecules</i> , <b>2007</b> , 40, 159-66	7.9	61
19	Selective Separation of Thorium Using Ion Imprinted Chitosan-Phthalate Particles via Solid Phase Extraction. <i>Separation Science and Technology</i> , <b>2006</b> , 41, 3109-3121	2.5	36
18	L-histidine imprinted synthetic receptor for biochromatography applications. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 7253-8	7.8	95
17	Removal of heavy metal ions by dithiocarbamate-anchored polymer/organosmectite composites. <i>Applied Clay Science</i> , <b>2006</b> , 31, 298-305	5.2	70
16	Preconcentration of copper using double-imprinted polymer via solid phase extraction. <i>Analytica Chimica Acta</i> , <b>2006</b> , 565, 145-151	6.6	93
15	Comparison of Adsorption and Selectivity Characteristics for 4-Nitrophenol Imprinted Polymers Prepared via Bulk and Suspension Polymerization. <i>Separation Science and Technology</i> , <b>2005</b> , 39, 3471-3484	2.5	12
14	Selective preconcentration of thorium in the presence of UO <sub>2</sub> (2+), Ce(3+) and La(3+) using Th(IV)-imprinted polymer. <i>Talanta</i> , <b>2005</b> , 67, 640-5	6.2	56

13	Molecularly imprinted ligand-exchange recognition assay of glucose by quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 2197-202	11.8	80
12	Removal of phenolic compounds with nitrophenol-imprinted polymer based on $\pi$ - $\pi$ and hydrogen-bonding interactions. <i>Separation and Purification Technology</i> , <b>2004</b> , 38, 173-179	8.3	74
11	Selective separation and preconcentration of cyanide by a column packed with cyanide-imprinted polymeric microbeads. <i>Separation and Purification Technology</i> , <b>2004</b> , 40, 9-14	8.3	56
10	Ni(II) ion-imprinted solid-phase extraction and preconcentration in aqueous solutions by packed-bed columns. <i>Analytica Chimica Acta</i> , <b>2004</b> , 502, 91-97	6.6	208
9	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
8	Preconcentration of copper on ion-selective imprinted polymer microbeads. <i>Analytica Chimica Acta</i> , <b>2003</b> , 480, 251-258	6.6	210
7	Selective Separation of Uranium Containing Glutamic Acid Molecular-Imprinted Polymeric Microbeads. <i>Separation Science and Technology</i> , <b>2003</b> , 38, 3431-3447	2.5	53
6	Potentiometric behavior of electrodes based on overoxidized polypyrrole films. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 372, 786-90	4.4	41
5	Characterization of electrochemically deposited polypyrrole using magnetoelastic material transduction elements. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 4050-3	7.8	12
4	Electrochemical polymerization of benzene in the presence of Ag <sup>+</sup> , Pb <sup>2+</sup> and Cu <sup>+</sup> ions. <i>Materials Research Innovations</i> , <b>2001</b> , 4, 126-130	1.9	1
3	Beneficial effects of dietary restriction on cerebral cortical synaptic terminals: preservation of glucose and glutamate transport and mitochondrial function after exposure to amyloid beta-peptide, iron, and 3-nitropropionic acid. <i>Journal of Neurochemistry</i> , <b>2000</b> , 75, 314-20	6	84
2	Determination of phytate in the Turkish diet by phosphorus-31 Fourier transform nuclear magnetic resonance spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , <b>1990</b> , 38, 733-735	5.7	9
1	Molecularly imprinted polymer embedded-cryogels as selective genotoxic impurity scavengers. <i>Separation Science and Technology</i> , 1-13	2.5	0