Arzu ErsÃ¶z

List of Publications by Year
in descending order

103	3,177	136740	168136
papers	citations	32 h-index	53 g-index

104	104	104	2580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of HRP-streptavidin bionanoparticles for potentiometric biotin determination. Bioelectrochemistry, 2022, 144, 107993.	2.4	3
2	RuBisCO nano enzyme for mimicking CO₂ conversion system in plants. Biotechnology and Applied Biochemistry, 2021, 68, 392-403.	1.4	3
3	Development of potentÄ±ometrÄ±c bÄ±osensor for dÄ±agnosÄ±s of prostate cancer. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 263, 114789.	1.7	10
4	In situ and non-cytotoxic cross-linking strategy for 3D printable biomaterials. Soft Matter, 2021, 17, 1008-1015.	1.2	12
5	Selective Recognition and Separation of Ubiquitin by Nanoparticle Embedded Cryogel Traps with Ubiquitin Memories Based on Photosensitive Covalent Imprinting. Journal of Analytical Chemistry, 2021, 76, 165-171.	0.4	4
6	Development of molecular imprinting-based smart cryogels for selective recognition and separation of serum cytochrome-c as a biochemical indicator. Process Biochemistry, 2021, 106, 112-119.	1.8	5
7	Graphenoxide Cross-Linker Based Potentiometric Biosensor Design For Sarcosine Determination. Protein and Peptide Letters, 2021, 28, .	0.4	0
8	Anti-LDL antibody-nanoparticles embedded cryogel for low density lipoprotein-depletion from hypercholesterolemic human serum. Separation Science and Technology, 2020, 55, 1786-1794.	1.3	3
9	Metal chelate based site recognition of ceruloplasmin using molecularly imprinted polymer/cryogel system. Separation Science and Technology, 2020, 55, 199-208.	1.3	9
10	Imprinted Materials. , 2020, , 317-350.		20
11	A novel lanthanide-chelate based molecularly imprinted cryogel for purification of hemoglobin from blood serum: An alternative method for thalassemia diagnosis. Process Biochemistry, 2020, 91, 189-196.	1.8	13
12	A new potentiometric platform: Antibody crossâ€linked graphene oxide potentiometric immunosensor for clenbuterol determination. Biotechnology and Applied Biochemistry, 2020, , .	1.4	0
13	A powerful combination in designing polymeric scaffolds: 3D bioprinting and cryogelation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, , 1-13.	1.8	9
14	Photosystem (PSII)-based hybrid nanococktails for the fabrication of BIO-DSSC and photo-induced memory device. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 401, 112743.	2.0	8
15	Light harvesting and photo-induced electrochemical devices based on bionanocage proteins. Journal of Power Sources, 2019, 440, 227119.	4.0	14
16	DNA ligase photocrosslinked cryogenic column based biotinylation kit for viral hybridization and detection. Process Biochemistry, 2019, 84, 213-219.	1.8	0
17	Synergistic effect of binanoenzyme and cryogel column on the production of formic acid from carbondioxide. Journal of Industrial and Engineering Chemistry, 2019, 76, 251-257.	2.9	3
18	Proteinous Polymeric Shell Decorated Nanocrystals for the Recognition of Immunoglobulin M. Journal of Fluorescence, 2019, 29, 609-617.	1.3	4

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19	Concanavalin A photocross-linked affinity cryogels for the purification of horseradish peroxidase. Adsorption Science and Technology, 2018, 36, 1199-1212.	1.5	10
20	Ferritin based bionanocages as novel biomemory device concept. Biosensors and Bioelectronics, 2018, 103, 19-25.	5.3	16
21	3D Micropatterned Allâ€Flexible Microfluidic Platform for Microwaveâ€Assisted Flow Organic Synthesis. ChemPlusChem, 2018, 83, 42-46.	1.3	18
22	Ion imprinted cryogel-based supermacroporous traps for selective separation of cerium(III) in real samples. Journal of Rare Earths, 2018, 36, 857-862.	2.5	36
23	Molecularly imprinted affinity cryogels for the selective recognition of myoglobin in blood serum. Journal of Molecular Structure, 2018, 1174, 171-176.	1.8	27
24	Adsorption behaviours of lysozyme onto poly-hydroxyethyl methacrylate cryogels containing methacryloyl antipyrine-Ce(III). International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 199-204.	1.8	9
25	Nano-hemoglobin film based sextet state biomemory device by cross-linked photosensitive hapten monomer. Talanta, 2018, 176, 85-91.	2.9	12
26	Multifunctional nanoenzymes from carbonic anhydrase skeleton. Process Biochemistry, 2018, 72, 71-78.	1.8	2
27	Phosphoserine imprinted nanosensor for detection of Cancer Antigen 125. Talanta, 2017, 167, 172-180.	2.9	40
28	Multistate proteinous biomemory device based on redox controllable hapten cross-linker. Materials Science and Engineering C, 2017, 79, 336-342.	3.8	9
29	Synergistic thallium and iodine memory-based cryogel traps for removing thallium and iodine ions. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2229-2236.	0.7	2
30	Molecular Imprinting Technology in Quartz Crystal Microbalance (QCM) Sensors. Sensors, 2017, 17, 454.	2.1	81
31	Biomimetic Imprinted Polymers. , 2016, , 103-120.		5
32	Simultaneous depletion of albumin and immunoglobulin G by using twin affinity magnetic nanotraps. Separation Science and Technology, 2016, 51, 2080-2089.	1.3	15
33	Potentiometric sensor fabrication having 2D sarcosine memories and analytical features. Materials Science and Engineering C, 2016, 69, 231-235.	3.8	20
34	Biopolymer based ion imprinting cryogel traps for the removal of Tl(I). Separation Science and Technology, 2016, 51, 901-908.	1.3	7
35	Determination of Clenbuterol by Multiwalled Carbon Nanotube Potentiometric Sensors. Analytical Letters, 2016, 49, 778-789.	1.0	13
36	A new approach for the construction of dual character in nanosystems. Sensors and Actuators B: Chemical, 2016, 222, 1012-1017.	4.0	4

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37	Nano anti-tumor necrosis factor-alpha based potentiometric sensor for tumor necrosis factor-alpha detection. Sensors and Actuators B: Chemical, 2015, 209, 864-869.	4.0	17
38	Ligand exchange and MIP-based paraoxon memories onto QCM sensor. Applied Physics A: Materials Science and Processing, 2015, 119, 351-357.	1.1	7
39	Ion-Imprinted Polymers for Selective Recognition of Neodymium(III) in Environmental Samples. Industrial & Engineering Chemistry Research, 2015, 54, 5328-5335.	1.8	55
40	Double-imprinted potentiometric sensors based on ligand exchange for the determination of dimethoate. Korean Journal of Chemical Engineering, 2015, 32, 1613-1617.	1.2	5
41	Reusable nanocopy machine particles for the replication of DNA. Biotechnology Progress, 2015, 31, 119-123.	1.3	9
42	Developing column material for the separation of serum amyloid P and C reactive protein from biological sources. Biomedical Chromatography, 2014, 28, 1345-1351.	0.8	5
43	Development of New Molecular Imprinted Solid Phase Extraction Material for Dimethoate. Spectroscopy Letters, 2014, 47, 168-176.	0.5	6
44	Bitargeting and ambushing nanotheranostics. Artificial Cells, Nanomedicine and Biotechnology, 2014, 42, 138-145.	1.9	1
45	Polyvalent integrin antagonist-decorated superparamagnetic iron oxide nanoparticles for triggering apoptosis in human leukemia cancer cells. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	0
46	Separation and purification of hyaluronic acid by embedded glucuronic acid imprinted polymers into cryogel. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 934, 46-52.	1.2	34
47	Novel nanoimaging approach: Antibodious polymeric nanolabel for intracellular alphaâ€fetoprotein targeted monitoring. Biotechnology Progress, 2013, 29, 472-479.	1.3	9
48	Simultaneous depletion of immunoglobulin G and albumin from human plasma using novel monolithic cryogel columns. Colloids and Surfaces B: Biointerfaces, 2013, 112, 1-8.	2.5	22
49	Nanolabel for TNF-Î± determination. Applied Surface Science, 2013, 275, 233-238.	3.1	10
50	Silan based paraoxon memories onto QCM electrodes. Journal of Industrial and Engineering Chemistry, 2013, 19, 1788-1792.	2.9	7
51	Paraoxon imprinted biopolymer based QCM sensor. Materials Chemistry and Physics, 2013, 139, 107-112.	2.0	24
52	Polymeric amylase nanoparticles as a new semi-synthetic enzyme system for hydrolysis of starch. Materials Science and Engineering C, 2013, 33, 1900-1906.	3.8	13
53	4-Aminophenyl boronic acid modified gold platforms for influenza diagnosis. Materials Science and Engineering C, 2013, 33, 824-830.	3.8	25
54	Ligand exchange based paraoxon imprÄ±nted QCM sensor. Materials Science and Engineering C, 2013, 33, 938-942.	3.8	24

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55	New synthesis method for 4-MAPBA monomer and using for the recognition of IgM and mannose with MIP-based QCM sensors. Analyst, The, 2013, 138, 1558.	1.7	33
56	Bioconjugated and Cross-Linked Bionanostructures for Bifunctional Immunohistochemical Labeling. Microscopy and Microanalysis, 2012, 18, 324-330.	0.2	2
57	Mutual recognition of TNT using antibodies polymeric shell having CdS. Talanta, 2012, 90, 103-108.	2.9	11
58	Goldâ€“silver-nanoclusters having cholic acid imprinted nanoshell. Talanta, 2012, 93, 364-370.	2.9	20
59	Novel protein photocrosslinking and cryopolymerization method for cryogelâ€based antibacterial material synthesis. Journal of Applied Polymer Science, 2012, 125, 145-151.	1.3	7
60	Semi-synthetic biotin imprinting onto avidin crosslinked goldâ€“silver nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	4
61	Preparation of new molecularly imprinted nanosensor for cholic acid determination. Sensors and Actuators B: Chemical, 2012, 162, 153-158.	4.0	30
62	Investigation of synthetic lipase and its use in transesterification reactions. Polymer, 2012, 53, 1981-1984.	1.8	19
63	Superparamagnetic nanotraps containing MIP based mimic lipase for biotransformations uses. Journal of Nanoparticle Research, 2011, 13, 2073-2079.	0.8	45
64	Investigation of photosensitively bioconjugated targeted quantum dots for the labeling of Cu/Zn superoxide dismutase in fixed cells and tissue sections. Histochemistry and Cell Biology, 2011, 135, 523-530.	0.8	18
65	A novel nanoprotein particle synthesis: Nanolipase. Process Biochemistry, 2011, 46, 1688-1692.	1.8	27
66	Biomimicking, metal-chelating and surface-imprinted polymers for the degradation of pesticides. Reactive and Functional Polymers, 2010, 70, 238-243.	2.0	41
67	Thiocyanate separation by imprinted polymeric systems. Mikrochimica Acta, 2010, 169, 129-135.	2.5	6
68	Nanosensors having dipicolinic acid imprinted nanoshell for Bacillus cereus spores detection. Journal of Nanoparticle Research, 2010, 12, 2069-2079.	0.8	27
69	Imprinted polymer/organo-smectite nanocomposites for paraoxon hydrolysis. Applied Clay Science, 2010, 47, 223-228.	2.6	13
70	Preparation of new molecularly imprinted quartz crystal microbalance hybride sensor system for 8-hydroxy-2â€²-deoxyguanosine determination. Analytica Chimica Acta, 2009, 640, 82-86.	2.6	44
71	8-OHdG sensing with MIP based solid phase extraction and QCM technique. Sensors and Actuators B: Chemical, 2009, 137, 7-11.	4.0	40
72	Separation and purification of hyaluronic acid by glucuronic acid imprinted microbeads. Materials Science and Engineering C, 2009, 29, 1404-1408.	3.8	36

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73	Gold nanoparticles having dipicolinic acid imprinted nanoshell for Bacillus cereus spores recognition. Applied Surface Science, 2009, 256, 142-148.	3.1	48
74	Goldâ€“silver nanoclusters having dipicolinic acid imprinted nanoshell for Bacillus cereus spores recognition. Talanta, 2009, 78, 1332-1338.	2.9	41
75	Synergie between molecular imprinted polymer based on solid-phase extraction and quartz crystal microbalance technique for 8-OHdG sensing. Biosensors and Bioelectronics, 2008, 24, 742-747.	5.3	40
76	Molecularly imprinted ligand-exchange recognition assay of DNA by SPR system using guanosine and guanine recognition sites of DNA. Sensors and Actuators B: Chemical, 2008, 133, 484-488.	4.0	33
77	Removal of mercury species with dithiocarbamate-anchored polymer/organosmectite composites. Journal of Hazardous Materials, 2008, 150, 560-564.	6.5	88
78	Preconcentration of phosphate ion onto ion-imprinted polymer. Journal of Hazardous Materials, 2008, 157, 130-136.	6.5	30
79	Quantum dot nanocrystals having guanosine imprinted nanoshell for DNA recognition. Talanta, 2008, 75, 890-896.	2.9	107
80	Polymerâ^'Clay Nanocomposite Iron Traps Based on Intersurface Ion-Imprinting. Industrial & Engineering Chemistry Research, 2008, 47, 2258-2264.	1.8	28
81	Mimicking receptor for methylmercury preconcentration based on ion-imprinting. Talanta, 2007, 71, 699-705.	2.9	38
82	Ion-imprinted beads for molecular recognition based mercury removal from human serum. International Journal of Biological Macromolecules, 2007, 40, 159-166.	3.6	65
83	Cr(III)-imprinted polymeric beads: Sorption and preconcentration studies. Journal of Hazardous Materials, 2007, 140, 110-116.	6.5	135
84	Purification of penicillin acylase through a monolith column containing methacryloyl antipyrine. Separation and Purification Technology, 2007, 55, 1-7.	3.9	8
85	Selective Separation of Thorium Using Ion Imprinted Chitosanâ€Phthalate Particles viaÂSolid Phase Extraction. Separation Science and Technology, 2006, 41, 3109-3121.	1.3	38
86	l-Histidine Imprinted Synthetic Receptor for Biochromatography Applications. Analytical Chemistry, 2006, 78, 7253-7258.	3.2	104
87	Removal of heavy metal ions by dithiocarbamate-anchored polymer/organosmectite composites. Applied Clay Science, 2006, 31, 298-305.	2.6	81
88	Preconcentration of copper using double-imprinted polymer via solid phase extraction. Analytica Chimica Acta, 2006, 565, 145-151.	2.6	102
89	Molecularly imprinted ligand-exchange recognition assay of glucose by quartz crystal microbalance. Biosensors and Bioelectronics, 2005, 20, 2197-2202.	5.3	92
90	Comparison of Adsorption and Selectivity Characteristics for 4â€Nitrophenol Imprinted Polymers Prepared via Bulk and Suspension Polymerization. Separation Science and Technology, 2005, 39, 3471-3484.	1.3	15

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91	Selective preconcentration of thorium in the presence of UO, Ce and La using Th(IV)-imprinted polymer. Talanta, 2005, 67, 640-645.	2.9	60
92	Removal of phenolic compounds with nitrophenol-imprinted polymer based on Ï€â€“Ï€ and hydrogen-bonding interactions. Separation and Purification Technology, 2004, 38, 173-179.	3.9	77
93	Selective separation and preconcentration of cyanide by a column packed with cyanide-imprinted polymeric microbeads. Separation and Purification Technology, 2004, 40, 9-14.	3.9	59
94	Ni(II) ion-imprinted solid-phase extraction and preconcentration in aqueous solutions by packed-bed columns. Analytica Chimica Acta, 2004, 502, 91-97.	2.6	222
95	Poly(ethylene dimethacrylate-glycidyl methacrylate) Monolith as a Stationary Phase in Dye-Affinity Chromatography. Industrial & Engineering Chemistry Research, 2004, 43, 6507-6513.	1.8	53
96	Preconcentration of copper on ion-selective imprinted polymer microbeads. Analytica Chimica Acta, 2003, 480, 251-258.	2.6	225
97	Selective Separation of Uranium Containing Glutamic Acid Molecular-Imprinted Polymeric Microbeads. Separation Science and Technology, 2003, 38, 3431-3447.	1.3	56
98	Potentiometric behavior of electrodes based on overoxidized polypyrrole films. Analytical and Bioanalytical Chemistry, 2002, 372, 786-790.	1.9	48
99	Characterization of Electrochemically Deposited Polypyrrole Using Magnetoelastic Material Transduction Elements. Analytical Chemistry, 2002, 74, 4050-4053.	3.2	12
100	Electrochemical polymerization of benzene in the presence of Ag+, Pb2+ and Cu+ ions. Materials Research Innovations, 2001, 4, 126-130.	1.0	1
101	Beneficial Effects of Dietary Restriction on Cerebral Cortical Synaptic Terminals. Journal of Neurochemistry, 2001, 75, 314-320.	2.1	111
102	Determination of phytate in the Turkish diet by phosphorus-31 Fourier transform nuclear magnetic resonance spectroscopy. Journal of Agricultural and Food Chemistry, 1990, 38, 733-735.	2.4	12
103	Molecularly imprinted polymer embedded-cryogels as selective genotoxic impurity scavengers. Separation Science and Technology, 0, , 1-13.	1.3	1