

Basri Gulbakan

List of Publications by Year in descending order

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23
papers

1,232
citations

471061

17
h-index

642321

23
g-index

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all docs

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docs citations

23
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dual Platform for Selective Analyte Enrichment and Ionization in Mass Spectrometry Using Aptamer-Conjugated Graphene Oxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 17408-17410.	6.6	192
2	DNA-Guided Metal Nanoparticle Formation on Graphene Oxide Surface. <i>Advanced Materials</i> , 2013, 25, 2319-2325.	11.1	137
3	A Logical Molecular Circuit for Programmable and Autonomous Regulation of Protein Activity Using DNA Aptamer-Protein Interactions. <i>Journal of the American Chemical Society</i> , 2012, 134, 20797-20804.	6.6	111
4	Aptamer-conjugated nanomaterials for bioanalysis and biotechnology applications. <i>Nanoscale</i> , 2011, 3, 546-556.	2.8	110
5	Aptamer-Conjugated Multifunctional Nanoflowers as a Platform for Targeting, Capture, and Detection in Laser Desorption Ionization Mass Spectrometry. <i>ACS Nano</i> , 2013, 7, 417-427.	7.3	100
6	In Vitro Selection of DNA Aptamers to Glioblastoma Multiforme. <i>ACS Chemical Neuroscience</i> , 2011, 2, 175-181.	1.7	98
7	Enrichment and Detection of Rare Proteins with Aptamer-Conjugated Gold Nanorods. <i>Analytical Chemistry</i> , 2012, 84, 6008-6015.	3.2	76
8	Applying mass spectrometry to study non-covalent biomolecule complexes. <i>Mass Spectrometry Reviews</i> , 2016, 35, 48-70.	2.8	74
9	Influence of Ammonium Acetate Concentration on Receptor-Ligand Binding Affinities Measured by Native Nano ESI-MS: A Systematic Study. <i>Analytical Chemistry</i> , 2015, 87, 10378-10384.	3.2	43
10	Native Electrospray Ionization Mass Spectrometry Reveals Multiple Facets of Aptamer-Ligand Interactions: From Mechanism to Binding Constants. <i>Journal of the American Chemical Society</i> , 2018, 140, 7486-7497.	6.6	42
11	Determination of thermodynamic and kinetic properties of biomolecules by mass spectrometry. <i>Current Opinion in Biotechnology</i> , 2015, 31, 65-72.	3.3	33
12	Aptamers: turning the spotlight on cells. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 328-340.	3.3	28
13	Discovery of biomarkers in rare diseases: innovative approaches by predictive and personalized medicine. <i>EPMA Journal</i> , 2016, 7, 24.	3.3	28
14	Post-Genomics Nanotechnology Is Gaining Momentum: Nanoproteomics and Applications in Life Sciences. <i>OMICS A Journal of Integrative Biology</i> , 2014, 18, 111-131.	1.0	25
15	Laser Desorption Ionization Mass Spectrometry on Silicon Nanowell Arrays. <i>Analytical Chemistry</i> , 2010, 82, 7566-7575.	3.2	22
16	Generation of Fluorogen-Activating Designed Ankyrin Repeat Proteins (FADAs) as Versatile Sensor Tools. <i>Journal of Molecular Biology</i> , 2016, 428, 1272-1289.	2.0	22
17	Pyrene-Assisted Efficient Photolysis of Disulfide Bonds in DNA-Based Molecular Engineering. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3601-3605.	4.0	18
18	Preconcentration and matrix elimination for the determination of Pb(II), Cd(II), Ni(II), and Co(II) by 8-hydroxyquinoline anchored poly(styrene-divinylbenzene) microbeads. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2714-2722.	1.3	16

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19	Solid phase extraction of organochlorine pesticides with modified poly (styrene-divinylbenzene) microbeads using home-made solid phase extraction syringes. <i>Reactive and Functional Polymers</i> , 2008, 68, 580-593.	2.0	16
20	Direct access to aptamer-protein complexes via MALDI-MS. <i>Chemical Science</i> , 2013, 4, 4071.	3.7	14
21	DNA Oligonucleotides: A Model System with Tunable Binding Strength to Study Monomer-Dimer Equilibria with Electrospray Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 11902-11912.	3.2	14
22	Oligonucleotide aptamers: emerging affinity probes for bioanalytical mass spectrometry and biomarker discovery. <i>Analytical Methods</i> , 2015, 7, 7416-7430.	1.3	8
23	An investigation of different intracellular parameters for Inborn Errors of Metabolism: Cellular stress, antioxidant response and autophagy. <i>Free Radical Biology and Medicine</i> , 2022, 179, 190-199.	1.3	5