

Adem Zengin

List of Publications by Year in descending order

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37
papers

834
citations

430874

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501196

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docs citations

37
times ranked

1169
citing authors

#	ARTICLE	IF	CITATIONS
1	A SERS-Based Sandwich Assay for Ultrasensitive and Selective Detection of Alzheimer's Tau Protein. <i>Biomacromolecules</i> , 2013, 14, 3001-3009.	5.4	76
2	Extremely sensitive sandwich assay of kanamycin using surface-enhanced Raman scattering of 2-mercaptobenzothiazole labeled gold@silver nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 817, 33-41.	5.4	66
3	Surface molecularly-imprinted magnetic nanoparticles coupled with SERS sensing platform for selective detection of malachite green. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128787.	7.8	56
4	Fabrication of magnetic gold nanorod particles for immunomagnetic separation and SERS application. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3167-3176.	1.9	55
5	Molecularly imprinted superparamagnetic iron oxide nanoparticles for rapid enrichment and separation of cholesterol. <i>Analyst</i> , 2013, 138, 7238.	3.5	51
6	Fabrication of a SERS based aptasensor for detection of ricin B toxin. <i>Journal of Materials Chemistry B</i> , 2015, 3, 306-315.	5.8	42
7	SERS detection of hepatitis B virus DNA in a temperature-responsive sandwich hybridization assay. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 668-672.	2.5	35
8	A capillary driven microfluidic chip for SERS based hCG detection. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113660.	10.1	35
9	Construction of a sensitive and selective plasmonic biosensor for prostate specific antigen by combining magnetic molecularly-imprinted polymer and surface-enhanced Raman spectroscopy. <i>Talanta</i> , 2022, 237, 122926.	5.5	35
10	Selective separation and determination of quercetin from red wine by molecularly imprinted nanoparticles coupled with HPLC and ultraviolet detection. <i>Journal of Separation Science</i> , 2018, 41, 3459-3466.	2.5	30
11	A molecularly imprinted whatman paper for clinical detection of propranolol. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127276.	7.8	26
12	RAFT-mediated synthesis and temperature-induced responsive properties of poly(2-(2-methoxyethoxy)ethyl methacrylate) brushes. <i>Journal of Polymer Science Part A</i> , 2013, 51, 954-962.	2.3	25
13	Conversion from a natural mineral to a novel effective adsorbent: Utilization of pumice grafted with polymer brush for methylene blue decolorization from aqueous environments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123961.	4.7	24
14	Magnetic nanoparticles coated with aminated polymer brush as a novel material for effective removal of Pb(II) ions from aqueous environments. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20454-20468.	5.3	24
15	Magnetic clayzeolitic imidazole framework nanocomposite (ZIF-8@Fe ₃ O ₄ @BNT) for reactive orange 16 removal from liquid media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127558.	4.7	22
16	RAFT-mediated synthesis of poly[(oligoethylene glycol) methyl ether acrylate] brushes for biological functions. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4443-4450.	2.3	21
17	Preparation of molecularly imprinted PDMS elastomer for selective detection of folic acid in orange juice. <i>Applied Surface Science</i> , 2019, 471, 168-175.	6.1	19
18	Synthesis and characterization of Fe ₃ O ₄ -supported metal-organic framework MIL-101(Fe) for a highly selective and sensitive hydrogen peroxide electrochemical sensor. <i>Ionics</i> , 2020, 26, 5221-5232.	2.4	19

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19	SERS detection of polyaromatic hydrocarbons on a β -cyclodextrin containing polymer brush. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 452-461.	2.5	16
20	Efficient and selective separation of metronidazole from human serum by using molecularly imprinted magnetic nanoparticles. <i>Journal of Separation Science</i> , 2018, 41, 2952-2960.	2.5	16
21	Synthesis of magnetic halloysite nanotube-based molecularly imprinted polymers for sensitive spectrophotometric detection of metoclopramide in urine samples. <i>Materials Science and Engineering C</i> , 2020, 106, 110223.	7.3	13
22	A novel material poly(N-acryloyl-L-serine)-brush grafted kaolin for efficient elimination of malachite green dye from aqueous environments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 125041.	4.7	13
23	A new plasmonic device made of gold nanoparticles and temperature responsive polymer brush on a silicon substrate. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 215-221.	9.4	12
24	Synthesis of poly(N-(2-hydroxypropyl) methacrylamide) brushes by interface-mediated RAFT polymerization. <i>RSC Advances</i> , 2016, 6, 45259-45264.	3.6	12
25	Dual Responsive Disposable Electrode for the Enumeration of Escherichia coli in Whole Blood. <i>Electroanalysis</i> , 2020, 32, 2244-2252.	2.9	12
26	Bentonite grafted with poly(N-acryloyl glycineamide) brush: A novel clay-polymer brush hybrid material for the effective removal of Hg(II) and As(V) from aqueous environments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125979.	4.7	11
27	Effective utilization of Fe(III)-based metal organic framework-coated cellulose paper for highly efficient elimination from the liquid phase of paracetamol as a pharmaceutical pollutant. <i>Environmental Technology and Innovation</i> , 2021, 24, 101799.	6.1	11
28	Synthesis and characterization of an efficient catalyst based on MoS ₂ decorated magnetic pumice: An experimental design study for methyl orange degradation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105265.	6.7	9
29	Selective Extraction and Determination of Citrinin in Rye Samples by a Molecularly Imprinted Polymer (MIP) Using Reversible Addition Fragmentation Chain Transfer Polymerization (RAFTPP) with High-Performance Liquid Chromatography (HPLC) Detection. <i>Analytical Letters</i> , 2021, 54, 1697-1708.	1.8	8
30	Utilization of a novel polymer-clay material for high elimination of hazardous radioactive contamination uranium(VI) from aqueous environments. <i>Environmental Technology and Innovation</i> , 2021, 23, 101631.	6.1	8
31	Synthesis of superparamagnetic and thermoresponsive hybrid nanoparticles via surface-mediated RAFT polymerization of di(ethylene glycol) ethyl ether acrylate and (oligoethylene glycol) methyl ether acrylate. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3420-3428.	2.3	7
32	Rapid quantification of total protein with surface-enhanced Raman spectroscopy using <i>o</i> -phthalaldehyde. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 653-658.	2.5	7
33	Immunomagnetic separation and <i>Listeria monocytogenes</i> detection with surface-enhanced Raman scattering. <i>Turkish Journal of Medical Sciences</i> , 2020, 50, 1157-1167.	0.9	6
34	Decolorization of Rhodamine B by silver nanoparticle-loaded magnetic sporopollenin: characterization and process optimization. <i>Environmental Science and Pollution Research</i> , 2022, 29, 79375-79387.	5.3	5
35	A fluorescent artificial receptor with specific imprinted cavities to selectively detect colistin. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7417-7428.	3.7	4
36	A novel route to prepare a multilayer system via the combination of interface-mediated catalytic chain transfer polymerization and thiol-ene click chemistry. <i>Materials Science and Engineering C</i> , 2017, 74, 103-109.	7.3	2

#	ARTICLE	IF	CITATIONS
37	Molecularly-imprinted silica nanoparticles for rapid and selective detection of atenolol in artificial urine samples. MANAS: Journal of Engineering, 0, , .	0.8	1