

Sonia Bahrani

List of Publications by Year in descending order

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34
papers

1,293
citations

304602

22
h-index

395590

33
g-index

34
all docs

34
docs citations

34
times ranked

1578
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of hydrophobic deep eutectic solvent as the carrier for ferrofluid: A novel strategy for pre-concentration and determination of mefenamic acid in human urine samples by high performance liquid chromatography under experimental design optimization. <i>Talanta</i> , 2019, 202, 526-530.	2.9	108
2	Ultra-sensitive viral glycoprotein detection NanoSystem toward accurate tracing SARS-CoV-2 in biological/non-biological media. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112731.	5.3	102
3	Novel synthesis of nanocomposite for the extraction of Sildenafil Citrate (Viagra) from water and urine samples: Process screening and optimization. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 463-472.	3.8	79
4	Ultrasonic assisted removal of methylene blue on ultrasonically synthesized zinc hydroxide nanoparticles on activated carbon prepared from wood of cherry tree: Experimental design methodology and artificial neural network. <i>Journal of Molecular Liquids</i> , 2017, 229, 114-124.	2.3	79
5	Coupled graphene oxide with hybrid metallic nanoparticles as potential electrochemical biosensors for precise detection of ascorbic acid within blood. <i>Analytica Chimica Acta</i> , 2020, 1107, 183-192.	2.6	78
6	Magnetic Cu: CuO-GO nanocomposite for efficient dispersive micro-solid phase extraction of polycyclic aromatic hydrocarbons from vegetable, fruit, and environmental water samples by liquid chromatographic determination. <i>Talanta</i> , 2020, 218, 121131.	2.9	77
7	Cu@SnS/SnO ₂ nanoparticles as novel sorbent for dispersive micro solid phase extraction of atorvastatin in human plasma and urine samples by high-performance liquid chromatography with UV detection: Application of central composite design (CCD). <i>Ultrasonics Sonochemistry</i> , 2017, 36, 42-49.	3.8	76
8	Cu- and S- @SnO ₂ nanoparticles loaded on activated carbon for efficient ultrasound assisted dispersive μ SPE-spectrophotometric detection of quercetin in Nasturtium officinale extract and fruit juice samples: CCD-RSM design. <i>Ultrasonics Sonochemistry</i> , 2018, 47, 1-9.	3.8	73
9	Zinc-based metal-organic frameworks as nontoxic and biodegradable platforms for biomedical applications: review study. <i>Drug Metabolism Reviews</i> , 2019, 51, 356-377.	1.5	64
10	Magnetic based nanocomposite sorbent combination with ultrasound assisted for solid-phase microextraction of Azure II in water samples prior to its determination spectrophotometric. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 240-250.	5.0	60
11	Ultrasound-accelerated synthesis of gold nanoparticles modified choline chloride functionalized graphene oxide as a novel sensitive bioelectrochemical sensor: Optimized meloxicam detection using CCD-RSM design and application for human plasma sample. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 776-786.	3.8	47
12	Magnetic molecularly imprinted polymer for the efficient and selective preconcentration of diazinon before its determination by high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2015, 38, 2797-2803.	1.3	46
13	MOF-5(Zn)-Fe ₂ O ₄ nanocomposite based magnetic solid-phase microextraction followed by HPLC-UV for efficient enrichment of colchicine in root of colchicum extracts and plasma samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1067, 45-52.	1.2	42
14	Solid phase extraction of antidepressant drugs amitriptyline and nortriptyline from plasma samples using core-shell nanoparticles of the type Fe ₃ O ₄ @ZrO ₂ @N-cetylpyridinium, and their subsequent determination by HPLC with UV detection. <i>Mikrochimica Acta</i> , 2015, 182, 1893-1902.	2.5	39
15	Data on cytotoxic and antibacterial activity of synthesized Fe ₃ O ₄ nanoparticles using <i>Malva sylvestris</i> . <i>Data in Brief</i> , 2020, 28, 104929.	0.5	39
16	The headspace solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental water samples using silica fiber modified by self assembled gold nanoparticles. <i>Analytical Methods</i> , 2015, 7, 8086-8093.	1.3	33
17	Ionic-liquid-based surfactant-emulsified microextraction procedure accelerated by ultrasound radiation followed by high-performance liquid chromatography for the simultaneous determination of antidepressant and antipsychotic drugs. <i>Journal of Separation Science</i> , 2015, 38, 844-851.	1.3	31
18	Green synthesis of supermagnetic Fe ₃ O ₄ @MgO nanoparticles via Nutmeg essential oil toward superior anti-bacterial and anti-fungal performance. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101352.	1.4	31

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19	Ultrasonic assisted dispersive solid-phase microextraction of Eriochrome Cyanine R from water sample on ultrasonically synthesized lead (II) dioxide nanoparticles loaded on activated carbon: Experimental design methodology. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 317-324.	3.8	29
20	A highly selective nanocomposite based on MIP for curcumin trace levels quantification in food samples and human plasma following optimization by central composite design. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 129-135.	1.2	29
21	Dispersion of hydrophobic magnetic nanoparticles using ultrasonic-assisted in combination with coextractive microextraction for the simultaneous preconcentration and determination of tricyclic antidepressant drugs in biological fluids. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 380-386.	3.8	25
22	Optimization of simultaneous ultrasound assisted toxic dyes adsorption conditions from single and multi-components using central composite design: Application of derivative spectrophotometry and evaluation of the kinetics and isotherms. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 236-245.	3.8	23
23	Application of an ionic-liquid combined with ultrasonic-assisted dispersion of gold nanoparticles for micro-solid phase extraction of unmetabolized pyridoxine and folic acid in biological fluids prior to high-performance liquid chromatography. <i>RSC Advances</i> , 2015, 5, 70064-70072.	1.7	19
24	Picomolar-level detection of mercury within non-biological/biological aqueous media using ultra-sensitive polyaniline-Fe ₃ O ₄ -silver diethyldithiocarbamate nanostructure. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5353-5365.	1.9	14
25	Construction of molecularly imprinted nanoparticles by employing ultrasound waves for selective determination of doxepin from human plasma samples: Modeling and optimization. <i>Biomedical Chromatography</i> , 2019, 33, e4675.	0.8	10
26	A facile and selective approach for enrichment of l-cysteine in human plasma sample based on zinc organic polymer: Optimization by response surface methodology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 166-171.	1.4	9
27	Selective Detection of Dopamine in the Presence of Ascorbic and Uric Acids through its Covalent Immobilization on Gold Mercaptopropionic Acid Self-Assembled Monolayer. <i>Electroanalysis</i> , 2017, 29, 272-279.	1.5	8
28	Differentiable detection of ethanol/methanol in biological fluids using prompt graphene-based electrochemical nanosensor coupled with catalytic complex of nickel oxide/8-hydroxyquinoline. <i>Analytica Chimica Acta</i> , 2022, 1194, 339407.	2.6	6
29	Rapid ultrasound-assisted microextraction of atorvastatin in the sample of blood plasma by nickel metal organic modified with alumina nanoparticles. <i>Journal of Separation Science</i> , 2020, 43, 4469-4479.	1.3	5
30	Fabrication of size controlled nanocomposite based on zirconium alkoxide for enrichment of Gallic acid in biological and herbal tea samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1087-1088, 14-22.	1.2	4
31	Introduction to molecularly imprinted polymer. <i>Interface Science and Technology</i> , 2021, 33, 511-556.	1.6	4
32	Application of novel copper organic material for facile microextraction of sodium valproate from human plasma samples: Experimental design optimization and isotherm study. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3960.	1.7	3
33	Dispersive liquid-liquid microextraction based on the solidification of floating organic droplets for preconcentration of amino acids in human plasma samples. <i>Separation Science Plus</i> , 2018, 1, 650-659.	0.3	1
34	Applications of molecularly imprinted polymers. <i>Interface Science and Technology</i> , 2021, 33, 655-699.	1.6	0