Sonia Bahrani

List of Publications by Year
in descending order

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34	1,293	304602	395590
papers	citations	22 h-index	33 g-index

34	34	34	1578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differentiable detection of ethanol/methanol in biological fluids using prompt graphene-based electrochemical nanosensor coupled with catalytic complex of nickel oxide/8-hydroxyquinoline. Analytica Chimica Acta, 2022, 1194, 339407.	2.6	6
2	Ultra-sensitive viral glycoprotein detection NanoSystem toward accurate tracing SARS-CoV-2 in biological/non-biological media. Biosensors and Bioelectronics, 2021, 171, 112731.	5.3	102
3	Applications of molecularly imprinted polymers. Interface Science and Technology, 2021, 33, 655-699.	1.6	0
4	Introduction to molecularly imprinted polymer. Interface Science and Technology, 2021, 33, 511-556.	1.6	4
5	Data on cytotoxic and antibacterial activity of synthesized Fe3O4 nanoparticles using Malva sylvestris. Data in Brief, 2020, 28, 104929.	0.5	39
6	Rapid ultrasoundâ€assisted microextraction of atorvastatin in the sample of blood plasma by nickel metal organic modified with alumina nanoparticles. Journal of Separation Science, 2020, 43, 4469-4479.	1.3	5
7	Picomolar-level detection of mercury within non-biological/biological aqueous media using ultra-sensitive polyaniline-Fe3O4-silver diethyldithiocarbamate nanostructure. Analytical and Bioanalytical Chemistry, 2020, 412, 5353-5365.	1.9	14
8	Coupled graphene oxide with hybrid metallic nanoparticles as potential electrochemical biosensors for precise detection of ascorbic acid within blood. Analytica Chimica Acta, 2020, 1107, 183-192.	2.6	78
9	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. Talanta, 2020, 218, 121131.	2.9	77
10	Construction of molecularly imprinted nanoparticles by employing ultrasound waves for selective determination of doxepin from human plasma samples: Modeling and optimization. Biomedical Chromatography, 2019, 33, e4675.	0.8	10
11	Zinc-based metalâ€“organic frameworks as nontoxic and biodegradable platforms for biomedical applications: review study. Drug Metabolism Reviews, 2019, 51, 356-377.	1.5	64
12	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. Talanta, 2019, 202, 526-530.	2.9	108
13	Green synthesis of supermagnetic Fe3O4â€“MgO nanoparticles via Nutmeg essential oil toward superior anti-bacterial and anti-fungal performance. Journal of Drug Delivery Science and Technology, 2019, 54, 101352.	1.4	31
14	Fabrication of size controlled nanocomposite based on zirconium alkoxide for enrichment of Gallic acid in biological and herbal tea samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1087-1088, 14-22.	1.2	4
15	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. Ultrasonics Sonochemistry, 2018, 42, 776-786.	3.8	47
16	Cu- and S- @SnO2 nanoparticles loaded on activated carbon for efficient ultrasound assisted dispersive ÂµSPE-spectrophotometric detection of quercetin in Nasturtium officinale extract and fruit juice samples: CCD-RSM design. Ultrasonics Sonochemistry, 2018, 47, 1-9.	3.8	73
17	Application of novel copper organic material for facile microextraction of sodium valproate from human plasma samples: Experimental design optimization and isotherm study. Applied Organometallic Chemistry, 2018, 32, e3960.	1.7	3
18	A facile and selective approach for enrichment of l-cysteine in human plasma sample based on zinc organic polymer: Optimization by response surface methodology. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 166-171.	1.4	9

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19	Magnetic based nanocomposite sorbent combination with ultrasound assisted for solid-phase microextraction of Azure II in water samples prior to its determination spectrophotometric. Journal of Colloid and Interface Science, 2018, 513, 240-250.	5.0	60
20	Dispersive liquidâ€liquid microextraction based on the solidification of floating organic droplets for preconcentration of amino acids in human plasma samples. Separation Science Plus, 2018, 1, 650-659.	0.3	1
21	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. Ultrasonics Sonochemistry, 2017, 34, 317-324.	3.8	29
22	Novel synthesis of nanocomposite for the extraction of Sildenafil Citrate (Viagra) from water and urine samples: Process screening and optimization. Ultrasonics Sonochemistry, 2017, 38, 463-472.	3.8	79
23	A highly selective nanocomposite based on MIP for curcumin trace levels quantification in food samples and human plasma following optimization by central composite design. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1040, 129-135.	1.2	29
24	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. Journal of Molecular Liquids, 2017, 229, 114-124.	2.3	79
25	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 colchicium extracts and plasma samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1067, 45-52.	1.2	42
26	Cu@SnS/SnO2 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). Ultrasonics Sonochemistry, 2017, 36, 42-49.	3.8	76
27	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. Ultrasonics Sonochemistry, 2017, 36, 236-245.	3.8	23
28	Selective Detection of Dopamine in the Presence of Ascorbic and Uric Acids through its Covalent Immobilization on Gold Mercaptopropionic Acid Selfâ€assembled Monolayer. Electroanalysis, 2017, 29, 272-279.	1.5	8
29	Dispersion of hydrophobic magnetic nanoparticles using ultarsonic-assisted in combination with coacervative microextraction for the simultaneous preconcentration and determination of tricyclic antidepressant drugs in biological fluids. Ultrasonics Sonochemistry, 2016, 32, 380-386.	3.8	25
30	Magnetic molecularly imprinted polymer for the efficient and selective preconcentration of diazinon before its determination by high-performance liquid chromatography. Journal of Separation Science, 2015, 38, 2797-2803.	1.3	46
31	Solid phase extraction of antidepressant drugs amitriptyline and nortriptyline from plasma samples using core-shell nanoparticles of the type Fe3O4@ZrO2@N- cetylpyridinium, and their subsequent determination by HPLC with UV detection. Mikrochimica Acta, 2015, 182, 1893-1902.	2.5	39
32	Ionicâ€liquidâ€based surfactantâ€emulsified microextraction procedure accelerated by ultrasound radiation followed by highâ€performance liquid chromatography for the simultaneous determination of antidepressant and antipsychotic drugs. Journal of Separation Science, 2015, 38, 844-851.	1.3	31
33	Application of an ionic-liquid combined with ultrasonic-assisted dispersion ofgold nanoparticles for micro-solid phase extraction of unmetabolized pyridoxine and folic acid in biological fluids prior to high-performance liquid chromatography. RSC Advances, 2015, 5, 70064-70072.	1.7	19
34	The headspace solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental water samples using silica fiber modified by self assembled gold nanoparticles. Analytical Methods, 2015, 7, 8086-8093.	1.3	33