

Amirhassan Amiri

List of Publications by Year in descending order

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88
papers

4,326
citations

87723

38
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114278

63
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89
all docs

89
docs citations

89
times ranked

3636
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2010, 29, 1-14.	5.8	654
2	Development of non-enzymatic glucose sensor based on efficient loading Ag nanoparticles on functionalized carbon nanotubes. Sensors and Actuators B: Chemical, 2016, 225, 354-362.	4.0	191
3	Metal-organic framework-based sorbents in analytical sample preparation. Coordination Chemistry Reviews, 2021, 445, 214107.	9.5	138
4	Sample preparation and extraction methods for pesticides in aquatic environments: A review. TrAC - Trends in Analytical Chemistry, 2020, 123, 115772.	5.8	120
5	A simple approach for simultaneous detection of cadmium(II) and lead(II) based on glutathione coated magnetic nanoparticles as a highly selective electrochemical probe. Sensors and Actuators B: Chemical, 2018, 273, 1442-1450.	4.0	119
6	Polyamidoamine dendrimer functionalized iron oxide nanoparticles for simultaneous electrochemical detection of Pb ²⁺ and Cd ²⁺ ions in environmental waters. Measurement: Journal of the International Measurement Confederation, 2019, 140, 81-88.	2.5	116
7	Determination of non-steroidal anti-inflammatory drugs in water samples by solid-phase microextraction based sol-gel technique using poly(ethylene glycol) grafted multi-walled carbon nanotubes coated fiber. Analytica Chimica Acta, 2012, 720, 134-141.	2.6	105
8	Solid-phase microextraction-based sol-gel technique. TrAC - Trends in Analytical Chemistry, 2016, 75, 57-74.	5.8	93
9	Methods for coating solid-phase microextraction fibers with carbon nanotubes. TrAC - Trends in Analytical Chemistry, 2014, 59, 133-143.	5.8	90
10	Non-enzymatic voltammetric glucose sensor made of ternary NiO/Fe ₃ O ₄ -SH/para-amino hippuric acid nanocomposite. Journal of Electroanalytical Chemistry, 2018, 810, 69-77.	1.9	89
11	A novel solid-phase microextraction using coated fiber based sol-gel technique using poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov and o-xylene in water samples with gas chromatography-flame ionization detector. Journal of Chromatography A, 2011, 1218, 5757-5764.	1.8	86
12	Synthesis of a zinc-based metal-organic framework with histamine as an organic linker for the dispersive solid-phase extraction of organophosphorus pesticides in water and fruit juice samples. Journal of Chromatography A, 2019, 1597, 39-45.	1.8	85
13	Separation and determination of benzene, toluene, ethylbenzene and o-xylene compounds in water using directly suspended droplet microextraction coupled with gas chromatography-flame ionization detector. Talanta, 2009, 78, 936-941.	2.9	84
14	Magnetic solid-phase extraction of non-steroidal anti-inflammatory drugs from environmental water samples using polyamidoamine dendrimer functionalized with magnetite nanoparticles as a sorbent. Talanta, 2018, 183, 149-157.	2.9	82
15	BTEX determination in water matrices using HF-LPME with gas chromatography-flame ionization detector. Chemosphere, 2008, 71, 671-676.	4.2	80
16	Electrochemical detection of bisphenol a on a MWCNTs/CuFe ₂ O ₄ nanocomposite modified glassy carbon electrode. Materials Chemistry and Physics, 2021, 261, 124247.	2.0	80
17	SO ₃ -functionalized nano-MGO@Dâ€NH ₂ : Synthesis, characterization and application for one-pot synthesis of pyrano[2,3-d]pyrimidinone and tetrahydrobenzo[b]pyran derivatives in aqueous media. Applied Organometallic Chemistry, 2019, 33, e4661.	1.7	76
18	One-pot synthesis of dihydro-1H-indeno[1,2-b] pyridines and tetrahydrobenzo[b] pyran derivatives using a new and efficient nanocomposite catalyst based on N-butylsulfonate-functionalized MMWCNTs-D-NH ₂ . Polyhedron, 2020, 175, 114179.	1.0	69

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19	Magnetic solid-phase extraction of polycyclic aromatic hydrocarbons using a graphene oxide/Fe ₃ O ₄ @polystyrene nanocomposite. <i>Mikrochimica Acta</i> , 2018, 185, 393.	2.5	61
20	Magnetized graphene layers synthesized on the carbon nanofibers as novel adsorbent for the extraction of polycyclic aromatic hydrocarbons from environmental water samples. <i>Journal of Chromatography A</i> , 2016, 1465, 1-8.	1.8	60
21	Hybrid nanocomposites prepared from a metal-organic framework of type MOF-199(Cu) and graphene or fullerene as sorbents for dispersive solid phase extraction of polycyclic aromatic hydrocarbons. <i>Mikrochimica Acta</i> , 2019, 186, 131.	2.5	60
22	Synthesis and Characterization of Nanorod Magnetic Co-Fe Mixed Oxides and its Catalytic Behavior Towards One-Pot Synthesis of Polysubstituted Pyridine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 633-643.	1.4	59
23	Determination of non-steroidal anti-inflammatory drugs in urine by hollow-fiber liquid membrane-protected solid-phase microextraction based on sol-gel fiber coating. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 908, 67-75.	1.2	55
24	Magnetic MWCNTs-dendrimer: A potential modifier for electrochemical evaluation of As (III) ions in real water samples. <i>Journal of Electroanalytical Chemistry</i> , 2021, 888, 115059.	1.9	54
25	Magnetic nanoparticles coated with poly(p-phenylenediamine-co-thiophene) as a sorbent for preconcentration of organophosphorus pesticides. <i>Mikrochimica Acta</i> , 2018, 185, 15.	2.5	53
26	Electrode designed with a nanocomposite film of CuO Honeycombs/Ag nanoparticles electrogenerated on a magnetic platform as an amperometric glucose sensor. <i>Analytica Chimica Acta</i> , 2020, 1111, 49-59.	2.6	53
27	Effective extraction of organophosphorus pesticides using sol-gel based coated stainless steel mesh as novel solid-phase extraction sorbent. <i>Journal of Chromatography A</i> , 2020, 1620, 461020.	1.8	53
28	Magnetic solid-phase extraction using poly(para-phenylenediamine) modified with magnetic nanoparticles as adsorbent for analysis of monocyclic aromatic amines in water and urine samples. <i>Journal of Chromatography A</i> , 2015, 1415, 20-26.	1.8	51
29	Microcrystalline cellulose/metal-organic framework hybrid as a sorbent for dispersive micro-solid phase extraction of chlorophenols in water samples. <i>Journal of Chromatography A</i> , 2020, 1626, 461386.	1.8	51
30	Carbon nanofibers decorated with magnetic nanoparticles as a new sorbent for the magnetic solid phase extraction of selected polycyclic aromatic hydrocarbons from water samples. <i>New Journal of Chemistry</i> , 2015, 39, 5621-5627.	1.4	47
31	A nanohybrid composed of polyoxotungstate and graphene oxide for dispersive micro solid-phase extraction of non-steroidal anti-inflammatory drugs prior to their quantitation by HPLC. <i>Mikrochimica Acta</i> , 2019, 186, 534.	2.5	46
32	Synthesis of nano-hydroxyapatite sorbent for microextraction in packed syringe of phthalate esters in water samples. <i>Analytica Chimica Acta</i> , 2017, 950, 64-70.	2.6	45
33	Extraction and preconcentration of organophosphorus pesticides from water samples and fruit juices utilizing hydroxyapatite/Fe ₃ O ₄ nanocomposite. <i>Microchemical Journal</i> , 2019, 144, 261-269.	2.3	44
34	Polyoxometalate-Based Frameworks as Adsorbents for Drug of Abuse Extraction from Hair Samples. <i>Inorganic Chemistry</i> , 2021, 60, 1472-1479.	1.9	44
35	Determination of furan in food samples using two solid phase microextraction fibers based on sol-gel technique with gas chromatography-flame ionisation detector. <i>Food Chemistry</i> , 2012, 131, 698-704.	4.2	43
36	Magnetic nanoparticles modified with polyfuran for the extraction of polycyclic aromatic hydrocarbons prior to their determination by gas chromatography. <i>Mikrochimica Acta</i> , 2016, 183, 149-156.	2.5	43

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37	Organophosphorus pesticides extraction with polyvinyl alcohol coated magnetic graphene oxide particles and analysis by gas chromatography-mass spectrometry: Application to apple juice and environmental water. <i>Talanta</i> , 2021, 227, 122078.	2.9	43
38	Polypyrrole/Fe ₃ O ₄ /CNT as a recyclable and highly efficient catalyst for one-pot three-component synthesis of pyran derivatives. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4235.	1.7	41
39	Graphene oxide/polydimethylsiloxane-coated stainless steel mesh for use in solid-phase extraction cartridges and extraction of polycyclic aromatic hydrocarbons. <i>Mikrochimica Acta</i> , 2020, 187, 213.	2.5	40
40	Poly(pyrrole-co-aniline)@graphene oxide/Fe ₃ O ₄ sorbent for the extraction and preconcentration of polycyclic aromatic hydrocarbons from water samples. <i>New Journal of Chemistry</i> , 2018, 42, 16744-16751.	1.4	39
41	Comparative study of the sol-gel based solid phase microextraction fibers in extraction of naphthalene, fluorene, anthracene and phenanthrene from saffron samples extractants. <i>Mikrochimica Acta</i> , 2012, 176, 317-325.	2.5	37
42	Determination of monocyclic aromatic amines using headspace solid-phase microextraction based on sol-gel technique prior to GC. <i>Journal of Separation Science</i> , 2013, 36, 1629-1635.	1.3	36
43	A hybrid material composed of a polyoxometalate of type BeW ₁₂ O ₄₀ and an ionic liquid immobilized onto magnetic nanoparticles as a sorbent for the extraction of organophosphorus pesticides prior to their determination by gas chromatography. <i>Mikrochimica Acta</i> , 2018, 185, 176.	2.5	36
44	Headspace solid phase microextraction of volatile aromatic hydrocarbons using a steel wire coated with an electrochemically prepared nanocomposite consisting of polypyrrole, carbon nanotubes, and titanium oxide. <i>Mikrochimica Acta</i> , 2015, 182, 217-225.	2.5	31
45	A nanocomposite consisting of poly(methyl methacrylate), graphene oxide and Fe ₃ O ₄ nanoparticles as a sorbent for magnetic solid-phase extraction of aromatic amines. <i>Mikrochimica Acta</i> , 2018, 185, 14.	2.5	31
46	Determination of volatile organic compounds in environmental water samples using three solid-phase microextraction fibers based on sol-gel technique with gas chromatography-flame ionization detector. <i>Analytical Methods</i> , 2011, 3, 1877.	1.3	30
47	Phosphotungstic acid grafted zeolite imidazolate framework as an effective heterogeneous nanocatalyst for the one-pot solvent-free synthesis of 3,4-dihydropyrimidinones. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4959.	1.7	30
48	Magnetic solid-phase extraction of polycyclic aromatic hydrocarbons in water samples by Fe ₃ O ₄ @polypyrrole/carbon nanotubes. <i>Journal of Separation Science</i> , 2016, 39, 2746-2753.	1.3	29
49	Solid-phase extraction of non-steroidal anti-inflammatory drugs in human plasma and water samples using sol-gel-based metal-organic framework coating. <i>Journal of Chromatography A</i> , 2021, 1648, 462168.	1.8	29
50	Cu-Based MOF for Simultaneous Determination of Trace Tl (I) and Hg (II) by Stripping Voltammetry. <i>Journal of the Electrochemical Society</i> , 2020, 167, 167522.	1.3	29
51	Microextraction in packed syringe by using a three-dimensional carbon nanotube/carbon nanofiber-graphene nanostructure coupled to dispersive liquid-liquid microextraction for the determination of phthalate esters in water samples. <i>Mikrochimica Acta</i> , 2017, 184, 3851-3858.	2.5	28
52	Preparation and characterization of magnetic Wells-Dawson heteropoly acid nanoparticles for magnetic solid-phase extraction of aromatic amines in water samples. <i>Journal of Chromatography A</i> , 2017, 1483, 64-70.	1.8	27
53	Graphene grown on stainless steel mesh as a highly efficient sorbent for sorptive microextraction of polycyclic aromatic hydrocarbons from water samples. <i>Analytica Chimica Acta</i> , 2017, 994, 29-37.	2.6	27
54	Determination of phenolic compounds in water and urine samples using solid-phase microextraction based on sol-gel technique prior to GC-FID. <i>Analytical Methods</i> , 2012, 4, 4316.	1.3	25

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55	Poly (indole-co-thiophene)@Fe ₃ O ₄ as novel adsorbents for the extraction of aniline derivatives from water samples. <i>Microchemical Journal</i> , 2017, 131, 174-181.	2.3	25
56	Role of different types of nanomaterials against diagnosis, prevention and therapy of COVID-19. <i>Sustainable Cities and Society</i> , 2021, 72, 103046.	5.1	25
57	Application of structurally enhanced magnetite cored polyamidoamine dendrimer for knoevenagel condensation. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 793-804.	1.2	23
58	Thermally stable carbon nanofibers functionalized with poly(dimethylsiloxane) for solid-phase microextraction of polycyclic aromatic hydrocarbons prior to GC analysis. <i>Mikrochimica Acta</i> , 2016, 183, 1917-1924.	2.5	22
59	Novel organometallic nanomagnetic catalyst for multicomponent synthesis of spiroindoline derivatives. <i>Research on Chemical Intermediates</i> , 2018, 44, 2275-2287.	1.3	21
60	Employment of Pd nanoparticles at the structure of poly aminohippuric acid as a nanocomposite for hydrogen peroxide detection. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 142-151.	1.9	21
61	Fe ₃ O ₄ @SiO ₂ @PAMAM-G2 nanocomposite as sorbent for the extraction and preconcentration of estradiol valerate drug from human plasma samples. <i>Microchemical Journal</i> , 2022, 175, 107176.	2.3	21
62	A novel way for detection of antiparkinsonism drug entacapone via electrodeposition of silver nanoparticles/functionalized multi-walled carbon nanotubes as an amperometric sensor. <i>Materials Science and Engineering C</i> , 2016, 66, 77-83.	3.8	20
63	Efficient dispersive micro solid-phase extraction of antidepressant drugs by a robust molybdenum-based coordination polymer. <i>Mikrochimica Acta</i> , 2021, 188, 108.	2.5	20
64	Synergistic effect of lacunary polyoxotungstates and carbon nanotubes for extraction of organophosphorus pesticides. <i>Microchemical Journal</i> , 2021, 170, 106665.	2.3	20
65	Enrichment of phenolic compounds from water samples by using magnetic Fe ₃ O ₄ nanoparticles coated with a Keggin type heteropoly acid of type H ₆ [BFe(OH ₂)W ₁₁ O ₃₉] as a sorbent. <i>Mikrochimica Acta</i> , 2017, 184, 1093-1101.	2.5	19
66	Headspace solid-phase microextraction using poly(ethylene glycol) grafted multi-walled carbon nanotube fibers for the determination of methyl tert-butyl ether in water samples. <i>Analytical Methods</i> , 2012, 4, 3701.	1.3	18
67	Determination of Aromatic Amines Using Solid-Phase Microextraction Based on an Ionic Liquid-Mediated Sol-Gel Technique. <i>Journal of Chromatographic Science</i> , 2016, 54, 677-681.	0.7	18
68	Development of novel magnetic solid-phase extraction sorbent based on Fe ₃ O ₄ /carbon nanosphere/polypyrrole composite and their application to the enrichment of polycyclic aromatic hydrocarbons from water samples prior to GC-FID analysis. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 153-161.	1.2	18
69	New polypyrrole-carbon nanotubes-silicon dioxide solid-phase microextraction fiber for the preconcentration and determination of benzene, toluene, ethylbenzene, and <i>o</i> -xylene using gas liquid chromatography. <i>Journal of Separation Science</i> , 2014, 37, 2605-2612.	1.3	17
70	Investigation about electrocatalytic oxidation of glucose on loaded Ag nanoparticles on functionalized carbon nanotubes. <i>Ionics</i> , 2016, 22, 1709-1717.	1.2	17
71	Semi-automated solid-phase extraction of polycyclic aromatic hydrocarbons based on stainless steel meshes coated with metal-organic framework/graphene oxide. <i>Microchemical Journal</i> , 2022, 177, 107269.	2.3	17
72	Synthesis of novel naphtho[1,2- <i>e</i>][1,3]oxazines bearing an arylsulfonamide moiety and their anticancer and antifungal activity evaluations. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1271-1282.	2.3	14

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73	The application of copolymer-coated graphene oxide-Fe ₃ O ₄ in the highly efficient synthesis of 2-aminospiro[indeno[1,2-b]quinoxaline-1,4-pyran]-3-carbonitrile and 2-aminospiro[indeno[2,4-pyran]-3-carbonitrile. Applied Organometallic Chemistry, 2020, 34, e5604.		
74	Determination of Mercury in Real Water Samples Using in situ Derivatization Followed by Sol-Gel-Solid-Phase Microextraction with Gas Chromatography-Flame Ionization Detection. Journal of Chromatographic Science, 2014, 52, 81-87.	0.7	13
75	Carbon nanospheres covalently modified with polydimethylsiloxane on a porous sol-gel support for use in headspace solid-phase fiber microextraction of BTEX. Mikrochimica Acta, 2017, 184, 297-305.	2.5	13
76	Polystyrene@graphene oxide-Fe ₃ O ₄ as a novel and magnetically recyclable nanocatalyst for the efficient multi-component synthesis of spiro indene derivatives. Research on Chemical Intermediates, 2020, 46, 1091-1107.	1.3	13
77	Efficient four-component synthesis of spiroindole derivatives catalysed by a versatile and reusable nano-paramagnetic catalyst. Applied Organometallic Chemistry, 2017, 31, e3595.	1.7	11
78	Poly(aminohippuric acid)-sodium dodecyl sulfate/functionalized graphene oxide nanocomposite for amplified electrochemical sensing of gallic acid. Journal of the Iranian Chemical Society, 2018, 15, 1931-1938.	1.2	10
79	Electrochemical deposition of polyaniline on the stainless steel mesh for the extraction of polycyclic aromatic hydrocarbons. Microchemical Journal, 2022, 173, 107014.	2.3	8
80	Synthesis and investigation of two new crystalline organic inorganic nano-hybrids based on Wells-Dawson vanadotungstates and 1H-1, 2, 4-triazole as electro- and photocatalysts. Journal of Molecular Structure, 2021, 1224, 129003.	1.8	6
81	Magnetic solid-phase extraction using Schiff base ligand supported on magnetic nanoparticles as sorbent combined with dispersive liquid-liquid microextraction for the extraction of phenols from water samples. International Journal of Environmental Analytical Chemistry, 2018, 98, 1017-1029.	1.8	4
82	The copolymer coating effect on the catalytic activity of magnetic carbon nanotube (CNT-Fe ₃ O ₄) in the multi-component reactions. Research on Chemical Intermediates, 2022, 48, 1347-1363.	1.3	4
83	Magnetic solid-phase extraction of organophosphorus pesticides from apple juice and environmental water samples using magnetic graphene oxide coated with poly(2-aminoterephthalic acid-co-aniline) nanocomposite as a sorbent. Journal of Separation Science, 2022, , .	1.3	4
84	Ultrasound-assisted vesicle-based microextraction as a novel method for determination of phenolic acid compounds in Nepeta cataria L. samples. Journal of the Iranian Chemical Society, 2021, 18, 1559-1566.	1.2	3
85	Corrigendum to "Role of different types of nanomaterials against diagnosis, prevention and therapy of COVID-19" [Sustainable Cities and Society 72 (2021) 103,046]. Sustainable Cities and Society, 2021, 74, 103125.	5.1	0
86	Investigation on the Removal of Entacapone From Contaminated Water Using Magnetic-Activated Carbon. Journal of Sabzevar University of Medical Sciences, 2016, 23, 458-467.	0.1	0
87	CHAPTER 12. Pretreatment Processes for the Analysis of Organic Pollutants with Nanomaterials. RSC Detection Science, 0, , 306-354.	0.0	0
88	Conductive Polymer-Based Nanocomposites as Powerful Sorbents: Design, Preparation and Extraction Applications.. Critical Reviews in Analytical Chemistry, 2022, , 1-14.	1.8	0