

Abdulrahman bahrami

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

1,277
citations

411340

20
h-index

536525

29
g-index

91
all docs

91
docs citations

91
times ranked

1447
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk assessment of imidacloprid and dichlorvos associated with dermal and inhalation exposure in cucumber greenhouse applicators: A cross-sectional study in Hamadan, Iran. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 575-590.	1.8	3
2	Investigation of seasonal variation and probabilistic risk assessment of BTEX emission in municipal solid waste transfer station. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 6626-6639.	1.8	7
3	Sensitive determination of urinary muconic acid using magnetic dispersive-solid-phase extraction by magnetic amino-functionalised UiO-66. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 885-898.	1.8	14
4	Comparing formaldehyde risk assessment in histopathology laboratory staff using three methods based on US EPA approaches in the west of Iran. <i>International Journal of Occupational Safety and Ergonomics</i> , 2022, 28, 1066-1076.	1.1	2
5	Enhanced photocatalytic activity of hydrothermally synthesised SrTiO ₃ /rGO for gaseous toluene degradation in the air: modelling and process optimisation using response surface methodology. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 222-242.	1.8	9
6	Pesticide residues levels as hematological biomarkers—a case study, blood serum of greenhouse workers in the city of Hamadan, Iran. <i>Environmental Science and Pollution Research</i> , 2022, 29, 38450-38463.	2.7	4
7	Evaluation of SARS-CoV-2 in Indoor Air of Sina and Shahid Beheshti Hospitals and Patients' Houses. <i>Food and Environmental Virology</i> , 2022, 14, 190-198.	1.5	1
8	Quantitative evaluation of chemical fume hoods performance by CO ₂ tracer gas. <i>Work</i> , 2022, 71, 771-778.	0.6	0
9	Application of Fe ₃ O ₄ @TbBd nanobeads in microextraction by packed sorbent (MEPS) for determination of BTEXs biomarkers by HPLC-UV in urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1197, 123197.	1.2	9
10	Development of a Needle Trap Device Packed with HKUST-1 Sorbent for Sampling and Analysis of BTEX in Air. <i>Chemistry and Chemical Technology</i> , 2022, 16, 314-327.	0.2	3
11	NO ₂ catalytic removal by nickel catalyst supported on multi-walled carbon nanotubes. <i>International Journal of Environmental Studies</i> , 2021, 78, 427-443.	0.7	0
12	UIO-66-NH ₂ Packed Needle Trap for Accurate and Reliable Sampling and Analysis of the Halogenated Volatile Organic Compounds in Air. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 263-280.	1.8	9
13	Phase distribution and risk assessment of PAHs in ambient air of Hamadan, Iran. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111807.	2.9	26
14	A review of new adsorbents for separation of BTEX biomarkers. <i>Biomedical Chromatography</i> , 2021, 35, e5131.	0.8	3
15	Characteristics and health effects of potentially pathogenic bacterial aerosols from a municipal solid waste landfill site in Hamadan, Iran. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 1057-1067.	1.4	14
16	Efficient removal of gaseous toluene by the photoreduction of Cu/Zn-BTC metal-organic framework under visible-light. <i>Optik</i> , 2021, 247, 167841.	1.4	8
17	Design, implementation, and evaluation of industrial ventilation systems and filtration for silica dust emissions from a mineral processing company. <i>Indian Journal of Occupational and Environmental Medicine</i> , 2021, 25, 192.	0.6	1
18	Development of a needle trap device packed with titanium-based metal-organic framework sorbent for extraction of phenolic derivatives in air. <i>Journal of Separation Science</i> , 2020, 43, 1011-1018.	1.3	18

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19	Determination of urinary methylhippuric acids using MIL-NH_2 metal-organic framework in microextraction by packed sorbent followed by HPLC-UV analysis. <i>Biomedical Chromatography</i> , 2020, 34, e4725.	0.8	24
20	A needle trap device packed with MIL-100(Fe) metal organic frameworks for efficient headspace sampling and analysis of urinary BTEXs. <i>Biomedical Chromatography</i> , 2020, 34, e4800.	0.8	17
21	$\text{Fe}_2\text{O}_3/\text{Ag/g-C}_3\text{N}_4$ Core-Discontinuous Shell Nanocomposite as an Indirect Z-Scheme Photocatalyst for Degradation of Ethylbenzene in the Air Under White LEDs Irradiation. <i>Catalysis Letters</i> , 2020, 150, 3455-3469.	1.4	12
22	Application of zirconium-based metal-organic frameworks for micro-extraction by packed sorbent of urinary trans, trans-muconic acid. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2345-2358.	1.2	14
23	Plasma-photocatalytic degradation of gaseous toluene using $\text{SrTiO}_3/\text{rGO}$ as an efficient heterojunction for by-products abatement and synergistic effects. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112460.	2.0	30
24	The association Between Occupational Exposure to silica and Risk of Developing Rheumatoid Arthritis: A Meta-Analysis. <i>Safety and Health at Work</i> , 2020, 11, 136-142.	0.3	25
25	A novel core-shell structured $\text{Fe}_2\text{O}_3/\text{Cu/g-C}_3\text{N}_4$ nanocomposite for continuous photocatalytic removal of air ethylbenzene under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 399, 112643.	2.0	22
26	Developing a Method for Determination of Urinary Delta-Amino-Levulinic Acid using Molecularly Imprinted Polymers. <i>Chemistry and Chemical Technology</i> , 2020, 14, 334-342.	0.2	0
27	Application of Artificial Neural Network and Response Surface Methodology in Optimization of Cold Fiber Headspace Solid-Phase Microextraction (CF-HS-SPME) for Analysis of 2, 5-Hexandion in Urine Samples. <i>Jundishapur Journal of Health Sciences</i> , 2020, 12, .	0.1	0
28	Development of Membrane Hollow Fiber for Determination of Maleic Anhydride in Ambient Air as a Field Sampler. <i>Annals of Work Exposures and Health</i> , 2019, 63, 797-805.	0.6	1
29	Application of a needle trap device packed with XAD-2 polyaniline composite for sampling naphthalene and phenanthrene in air. <i>Journal of Chromatography A</i> , 2019, 1602, 74-82.	1.8	18
30	Development of a needle trap device packed with zinc based metal-organic framework sorbent for the sampling and analysis of polycyclic aromatic hydrocarbons in the air. <i>Microchemical Journal</i> , 2019, 148, 346-354.	2.3	37
31	Facile and sensitive determination of urinary mandelic acid by combination of metal organic frameworks with microextraction by packed sorbents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1114-1115, 45-54.	1.2	23
32	Preparation of Carbotrap/silica composite for needle trap field sampling of halogenated volatile organic compounds followed by gas chromatography/mass spectrometry determination. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 1045-1053.	1.4	5
33	Multivariate optimization of the hollow fiber-based liquid phase microextraction of lead in human blood and urine samples using graphite furnace atomic absorption spectrometry. <i>Chemical Papers</i> , 2018, 72, 1945-1952.	1.0	11
34	Adsorptive removal of toluene and carbon tetrachloride from gas phase using Zeolitic Imidazolate Framework-8: Effects of synthesis method, particle size, and pretreatment of the adsorbent. <i>Microporous and Mesoporous Materials</i> , 2018, 268, 58-68.	2.2	63
35	Effect of TiO_2/GAC and water vapor on chloroform decomposition in a hybrid plasma-catalytic system. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2041-2050.	1.2	6
36	Selective determination of mandelic acid in urine using molecularly imprinted polymer in microextraction by packed sorbent. <i>Archives of Toxicology</i> , 2018, 92, 213-222.	1.9	26

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37	Ion-pair-based hollow-fiber liquid-phase microextraction combined with high-performance liquid chromatography for the simultaneous determination of urinary benzene, toluene, and styrene metabolites. <i>Journal of Separation Science</i> , 2018, 41, 501-508.	1.3	29
38	Effects of Post-Synthesis Activation and Relative Humidity on Adsorption Performance of ZIF-8 for Capturing Toluene from a Gas Phase in a Continuous Mode. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 310.	1.3	20
39	Evaluation of a novel hollow fiber membrane technique for collection of 1,1-dimethylhydrazine in air. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 479.	1.3	2
40	Application of needle trap device packed with Amberlite XAD-2 resin prepared by sol-gel method for reproducible sampling of aromatic amines in air. <i>Microchemical Journal</i> , 2018, 143, 127-132.	2.3	14
41	Photocatalytic degradation of volatile chlorinated organic compounds with ozone addition. <i>Archives of Environmental Protection</i> , 2017, 43, 65-72.	1.1	13
42	Hollow-fiber liquid-phase microextraction based on carrier-mediated transport for determination of urinary methyl hippuric acids. <i>Toxicological and Environmental Chemistry</i> , 2017, 99, 760-771.	0.6	17
43	Determination of BTEX in urine samples using cooling/heating-assisted headspace solid-phase microextraction. <i>Chemical Papers</i> , 2017, 71, 1829-1838.	1.0	17
44	Determination of benzene, toluene, ethylbenzene and xylene in field and laboratory by means of cold fiber SPME equipped with thermoelectric cooler and GC/FID method. <i>Polish Journal of Chemical Technology</i> , 2017, 19, 9-15.	0.3	7
45	Development of Carbotrap B-packed needle trap device for determination of volatile organic compounds in air. <i>Journal of Chromatography A</i> , 2017, 1527, 33-42.	1.8	26
46	Determination of urinary trans,trans-muconic acid using molecularly imprinted polymer in microextraction by packed sorbent followed by liquid chromatography with ultraviolet detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 65-71.	1.2	30
47	Chlorobenzene degradation by non-thermal plasma combined with EG-TiO ₂ /ZnO as a photocatalyst: Effect of photocatalyst on CO ₂ selectivity and byproducts reduction. <i>Journal of Hazardous Materials</i> , 2017, 324, 544-553.	6.5	65
48	Rapid analysis of trans,trans-muconic acid in urine using microextraction by packed sorbent. <i>Toxicology and Environmental Health Sciences</i> , 2017, 9, 317-324.	1.1	8
49	Hollow Fiber Supported Liquid Membrane Extraction Combined with HPLC-UV for Simultaneous Preconcentration and Determination of Urinary Hippuric Acid and Mandelic Acid. <i>Membranes</i> , 2017, 7, 8.	1.4	14
50	Risk Assessment of Workers' Exposure to Volatile Organic Compounds in the Air of a Petrochemical Complex in Iran. <i>Indian Journal of Occupational and Environmental Medicine</i> , 2017, 21, 121.	0.6	11
51	Evaluation of Volatile Organic Compounds at Petrochemical Complexes in Iran. <i>Health Scope</i> , 2017, In Press, .	0.4	4
52	Development of Hollow-Fiber Liquid-Phase Microextraction Method for Determination of Urinary <i>trans, trans</i> -Muconic Acid as a Biomarker of Benzene Exposure. <i>Analytical Chemistry Insights</i> , 2016, 11, ACI.S40177.	2.7	24
53	Development of Solid Phase Microextraction for Determination of Carbon tetrachloride and Chloroform in Air by Gas Chromatography-Mass Spectrometry. <i>MuhandisÄ«-i BihdÄsht-i Ä¸¸irfah/Ä¸</i> , 2016, 3, 17-24.	0.2	0
54	Developed a needle trap device with PDMS sorbent for microextraction of toluene and methyl ethyl ketone from aquatic samples using dynamic headspace. <i>MuhandisÄ«-i BihdÄsht-i Ä¸¸irfah/Ä¸</i> , 2016, 3, 41-46.	0.2	0

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55	The Effects of Environmental Parameters on Air Sampling with SPME from Halogenated Hydrocarbons. Health Scope, 2016, 6, .	0.4	0
56	The Effects of Environmental Parameters on Air Sampling with SPME from Halogenated Hydrocarbons. Health Scope, 2016, In press, .	0.4	0
57	Oxidative Stress Biomarkers in Exhaled Breath of Workers Exposed to Crystalline Silica Dust by SPME-GC-MS. Journal of Research in Health Sciences, 2016, 16, 153-161.	0.9	17
58	Effect of TiO ₂ -ZnO/GAC on by-product distribution of CVOCs decomposition in a NTP-assisted catalysis system. Polish Journal of Chemical Technology, 2015, 17, 32-40.	0.3	11
59	Application of graphene nanoplatelets silica composite, prepared by sol-gel technology, as a novel sorbent in two microextraction techniques. Journal of Separation Science, 2015, 38, 4225-4232.	1.3	24
60	Single-walled carbon nanotube/silica composite as a novel coating for solid-phase microextraction fiber based on sol-gel technology. Journal of Analytical Chemistry, 2015, 70, 1192-1198.	0.4	7
61	Decomposition of gas-phase chloroform using nanophotocatalyst downstream the novel non-thermal plasma reactor: by-products elimination. International Journal of Environmental Science and Technology, 2015, 12, 3489-3498.	1.8	15
62	Decomposition of chlorinated volatile organic compounds (CVOCs) using NTP coupled with TiO ₂ /GAC, ZnO/GAC, and TiO ₂ -ZnO/GAC in a plasma-assisted catalysis system. Journal of Electrostatics, 2015, 73, 80-88.	1.0	53
63	Graphene packed needle trap device as a novel field sampler for determination of perchloroethylene in the air of dry cleaning establishments. Talanta, 2015, 131, 142-148.	2.9	34
64	Solid-phase microextraction fiber development for sampling and analysis of volatile organohalogen compounds in air. Journal of Environmental Health Science & Engineering, 2014, 12, 123.	1.4	15
65	Analysis of xylene in aqueous media using needle-trap microextraction with a carbon nanotube sorbent. Journal of Separation Science, 2014, 37, 1850-1855.	1.3	20
66	Enhanced performance of non-thermal plasma coupled with TiO ₂ /GAC for decomposition of chlorinated organic compounds: influence of a hydrogen-rich substance. Journal of Environmental Health Science & Engineering, 2014, 12, 119.	1.4	13
67	Determination of Toluene by Needle Trap Micro-Extraction with Carbon Nanotube Sol-Gel and Polydimethylsiloxane Sorbents. Analytical Letters, 2014, 47, 2165-2172.	1.0	6
68	Performance catalytic ozonation over the carbosieve in the removal of toluene from waste air stream. Journal of Research in Health Sciences, 2014, 14, 227-32.	0.9	10
69	Isoconcentration mapping of particulate matter in Medan intercity bus stations. Water and Environment Journal, 2013, 27, 418-424.	1.0	6
70	SPME-based air sampling method for inhalation exposure assessment studies: case study on perchlorethylene exposure in dry cleaning. Environmental Monitoring and Assessment, 2013, 185, 4933-4941.	1.3	9
71	A needle trap device packed with a sol-gel derived, multi-walled carbon nanotubes/silica composite for sampling and analysis of volatile organohalogen compounds in air. Analytica Chimica Acta, 2013, 785, 67-74.	2.6	49
72	Investigation of qualitative and quantitative of volatile organic compounds of ambient air in the Mahshahr Petrochemical Complex in 2009. Journal of Research in Health Sciences, 2013, 13, 69-74.	0.9	12

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73	Study on the performance of wet electroscrubber in purifying airborne particles. <i>Journal of Research in Health Sciences</i> , 2013, 13, 135-42.	0.9	1
74	Application of Local Exhaust Ventilation System and Integrated Collectors for Control of Air Pollutants in Mining Company. <i>Industrial Health</i> , 2012, 50, 450-457.	0.4	14
75	Determination of Inhalational Anesthetics in Field and Laboratory by SPME GC/MS. <i>Analytical Letters</i> , 2012, 45, 375-385.	1.0	8
76	Field application of SPME as a novel tool for occupational exposure assessment with inhalational anesthetics. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6483-6490.	1.3	17
77	Development of diffusive solid phase microextraction method for sampling of epichlorohydrin in air. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1365-1377.	1.8	9
78	A novel needle trap device with single wall carbon nanotubes sol-gel sorbent packed for sampling and analysis of volatile organohalogen compounds in air. <i>Talanta</i> , 2012, 101, 314-321.	2.9	42
79	Treatment of Benzene, Toluene and Xylene Contaminated Air in a Bioactive Foam Emulsion Reactor. <i>Chinese Journal of Chemical Engineering</i> , 2010, 18, 113-121.	1.7	29
80	Application of Traditional Cyclone with Spray Scrubber to Remove Airborne Silica Particles Emitted from Stone-crushing Factories. <i>Industrial Health</i> , 2009, 47, 436-442.	0.4	3
81	Determination of Exposure to Respirable Quartz in the Stone Crushing Units at Azendarian-West of Iran. <i>Industrial Health</i> , 2008, 46, 404-408.	0.4	16
82	Comparison of Benzene Exposure in Drivers and Petrol Stations Workers by Urinary trans,trans-Muconic Acid in West of Iran. <i>Industrial Health</i> , 2007, 45, 396-401.	0.4	27
83	Do bullae and emphysema increase risk of pneumothorax in silicosis?. <i>Indian Journal of Industrial Medicine</i> , 2007, 11, 108.	0.4	2
84	Evaluation of benzene exposure in adults and urinary s-phenylmercapturic acid in children living in Adelaide, South Australia. <i>International Journal of Environmental Science and Technology</i> , 2006, 3, 113-117.	1.8	5
85	Comparison of Urinary o-Cresol and Hippuric Acid in Drivers, Gasoline Station Workers and Painters Exposed to Toluene in West of Iran. <i>Pakistan Journal of Biological Sciences</i> , 2005, 8, 1001-1005.	0.2	4
86	Determination of trans, trans-muconic acid in Children Living in Adelaide Based on HPLC Developed Method. <i>Pakistan Journal of Biological Sciences</i> , 2005, 8, 1703-1706.	0.2	1
87	Development of a thermal desorption method for the analysis of particle associated polycyclic aromatic hydrocarbons in ambient air. <i>International Journal of Environmental Science and Technology</i> , 2004, 1, 165-169.	1.8	2
88	Distribution of Volatile Organic Compounds in Ambient Air of Tehran. <i>Archives of Environmental Health</i> , 2001, 56, 380-383.	0.4	24
89	Co ₃ O ₄ @Zn-BTC MOF as a novel nano-photocatalyst for degradation of toluene from ambient air. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-19.	1.8	4
90	Hollow polymer nanospheres (HPSs) as the adsorbent in microextraction by packed sorbent (MEPS) for determining BTEXs chief metabolites in urine samples. <i>Journal of the Iranian Chemical Society</i> , 0, , .	1.2	1