

Muhammad Sajid

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,982
citations

94433

37
h-index

138484

58
g-index

60
all docs

60
docs citations

60
times ranked

5625
citing authors

#	ARTICLE	IF	CITATIONS
1	Designs, formats and applications of lateral flow assay: A literature review. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 689-705.	5.2	545
2	Chemically modified electrodes for electrochemical detection of dopamine in the presence of uric acid and ascorbic acid: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 15-29.	11.4	313
3	Impact of nanoparticles on human and environment: review of toxicity factors, exposures, control strategies, and future prospects. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4122-4143.	5.3	294
4	Removal of heavy metals and organic pollutants from water using dendritic polymers based adsorbents: A critical review. <i>Separation and Purification Technology</i> , 2018, 191, 400-423.	7.9	285
5	Recent trends in nanomaterial-modified electrodes for electroanalytical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 47-61.	11.4	235
6	Green analytical chemistry metrics: A review. <i>Talanta</i> , 2022, 238, 123046.	5.5	219
7	Layered double hydroxides: Emerging sorbent materials for analytical extractions. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 174-182.	11.4	183
8	Graphene-based adsorbents for the removal of toxic organic pollutants: A review. <i>Journal of Environmental Management</i> , 2019, 244, 370-382.	7.8	164
9	Liquidâ€“phase microextraction: A review of reviews. <i>Microchemical Journal</i> , 2019, 149, 103989.	4.5	143
10	Desalination and environment: A critical analysis of impacts, mitigation strategies, and greener desalination technologies. <i>Science of the Total Environment</i> , 2021, 780, 146585.	8.0	132
11	Nanoparticles: Synthesis, characteristics, and applications in analytical and other sciences. <i>Microchemical Journal</i> , 2020, 154, 104623.	4.5	116
12	Graphite pencil electrodes as electrochemical sensors for environmental analysis: a review of features, developments, and applications. <i>RSC Advances</i> , 2016, 6, 91325-91340.	3.6	112
13	Porous membrane protected micro-solid-phase extraction: A review of features, advancements and applications. <i>Analytica Chimica Acta</i> , 2017, 965, 36-53.	5.4	104
14	Chemically modified electrodes for electrochemical detection of dopamine: Challenges and opportunities. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 368-385.	11.4	103
15	Applications of layered double hydroxides based electrochemical sensors for determination of environmental pollutants: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2017, 16, 1-15.	10.3	101
16	Toxicity of nanoscale metal organic frameworks: a perspective. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14805-14807.	5.3	98
17	Magnetic ionic liquids in analytical sample preparation: A literature review. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 210-223.	11.4	97
18	Solid Phase Microextraction: Apparatus, Sorbent Materials, and Application. <i>Critical Reviews in Analytical Chemistry</i> , 2019, 49, 271-288.	3.5	96

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19	Novel materials for dispersive (micro) solid-phase extraction of polycyclic aromatic hydrocarbons in environmental water samples: A review. <i>Analytica Chimica Acta</i> , 2021, 1141, 246-262.	5.4	86
20	Combined extraction and microextraction techniques: Recent trends and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 74-86.	11.4	84
21	Removal of pharmaceuticals from water using sewage sludge-derived biochar: A review. <i>Chemosphere</i> , 2022, 289, 133196.	8.2	84
22	Dispersive liquid-liquid microextraction based binary extraction techniques prior to chromatographic analysis: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 167-182.	11.4	82
23	Evaluation of layered double hydroxide/graphene hybrid as a sorbent in membrane-protected stir-bar supported micro-solid-phase extraction for determination of organochlorine pesticides in urine samples. <i>Journal of Chromatography A</i> , 2017, 1489, 1-8.	3.7	74
24	MXenes: Are they emerging materials for analytical chemistry applications? â€œ A review. <i>Analytica Chimica Acta</i> , 2021, 1143, 267-280.	5.4	73
25	Development of natural sorbent based micro-solid-phase extraction for determination of phthalate esters in milk samples. <i>Analytica Chimica Acta</i> , 2016, 924, 35-44.	5.4	71
26	The use of silica nanoparticles for gas chromatographic separation. <i>Journal of Chromatography A</i> , 2011, 1218, 4552-4558.	3.7	69
27	Dispersive liquid-liquid microextraction coupled with derivatization: A review of different modes, applications, and green aspects. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 106, 169-182.	11.4	69
28	Layered double hydroxide-modified membranes for water treatment: Recent advances and prospects. <i>Chemosphere</i> , 2022, 287, 132140.	8.2	68
29	Aerogel-based adsorbents as emerging materials for the removal of heavy metals from water: Progress, challenges, and prospects. <i>Separation and Purification Technology</i> , 2022, 291, 120923.	7.9	57
30	PTFE-coated non-stick cookware and toxicity concerns: a perspective. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23436-23440.	5.3	55
31	Membrane protected micro-solid-phase extraction of organochlorine pesticides in milk samples using zinc oxide incorporated carbon foam as sorbent. <i>Journal of Chromatography A</i> , 2016, 1475, 110-115.	3.7	53
32	Green Chemistry in Higher Education: State of the Art, Challenges, and Future Trends. <i>ChemSusChem</i> , 2018, 11, 2845-2858.	6.8	49
33	Carbon nanotubes-based adsorbents: Properties, functionalization, interaction mechanisms, and applications in water purification. <i>Journal of Water Process Engineering</i> , 2022, 47, 102815.	5.6	49
34	â€œGreenâ€•nature of the process of derivatization in analytical sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 16-31.	11.4	46
35	Greenness of magnetic nanomaterials in miniaturized extraction techniques: A review. <i>Talanta</i> , 2021, 225, 122053.	5.5	45
36	Application of microwave-assisted micro-solid-phase extraction for determination of parabens in human ovarian cancer tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1000, 192-198.	2.3	44

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37	Application of porous membrane bag enclosed alkaline treated Y-Zeolite for removal of heavy metal ions from water. <i>Microchemical Journal</i> , 2020, 152, 104289.	4.5	43
38	Porous graphene-based electrodes: Advances in electrochemical sensing of environmental contaminants. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 30, e00120.	10.3	39
39	Dispersive liquid-liquid microextraction: Evolution in design, application areas, and green aspects. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 152, 116636.	11.4	39
40	Stir-bar supported micro-solid-phase extraction for the determination of polychlorinated biphenyl congeners in serum samples. <i>Journal of Chromatography A</i> , 2016, 1455, 37-44.	3.7	34
41	Dendrimers based sorbents: Promising materials for analytical extractions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 114-127.	11.4	33
42	Nanomaterials: types, properties, recent advances, and toxicity concerns. <i>Current Opinion in Environmental Science and Health</i> , 2022, 25, 100319.	4.1	33
43	Recent Progress in Microfiltration/Ultrafiltration Membranes for Separation of Oil and Water Emulsions. <i>Chemical Record</i> , 2022, 22, e202100320.	5.8	25
44	Evaluation of carbon foam as an adsorbent in stir-bar supported micro-solid-phase extraction coupled with gas chromatography–mass spectrometry for the determination of polyaromatic hydrocarbons in wastewater samples. <i>Microchemical Journal</i> , 2019, 144, 361-368.	4.5	24
45	Removal of methylene blue and rose bengal dyes from aqueous solutions using 1-naphthylammonium tetrachloroferrate (III). <i>Journal of Molecular Liquids</i> , 2021, 322, 114966.	4.9	24
46	Ultrasound-assisted solvent extraction of organochlorine pesticides from porous membrane packed tea samples followed by GC–MS analysis. <i>Microchemical Journal</i> , 2020, 152, 104464.	4.5	21
47	Ionic liquid-based membrane-protected micro-solid-phase extraction of organochlorine pesticides in environmental water samples. <i>Microchemical Journal</i> , 2020, 158, 105295.	4.5	21
48	Determination of haloacetic acids in water using layered double hydroxides as a sorbent in dispersive solid–phase extraction followed by liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 3610-3615.	2.5	20
49	Modern solutions in magnetic analytical extractions of metals: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115987.	11.4	20
50	Ultrasound-assisted solvent extraction of porous membrane packed solid samples: A new approach for extraction of target analytes from solid samples. <i>Microchemical Journal</i> , 2019, 144, 117-123.	4.5	19
51	Single-step microwave assisted headspace liquid-phase microextraction of trihalomethanes and halo ketones in biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1007, 43-48.	2.3	16
52	First Investigations on the Removal of Tungsten Species from Water Using Multi-walled Carbon Nanotubes. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	15
53	Ferrofluids based analytical extractions and evaluation of their greenness. <i>Journal of Molecular Liquids</i> , 2021, 339, 116901.	4.9	14
54	Bentonite-modified electrochemical sensors: a brief overview of features and applications. <i>Ionics</i> , 2018, 24, 19-32.	2.4	11

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55	Flow-Assisted Electro-Enhanced Solid-Phase Microextraction for the Determination of Haloethers in Water Samples. <i>Chromatographia</i> , 2016, 79, 97-102.	1.3	10
56	Dispersive liquid-liquid microextraction of multi-elements in seawater followed by inductively coupled plasma-mass spectrometric analysis and evaluation of its greenness. <i>Microchemical Journal</i> , 2021, 169, 106565.	4.5	10
57	Toxicity of nanoscale metal-organic frameworks in biological systems. , 2020, , 383-395.		7
58	Development of Membrane-Based Inverted Liquid-Liquid Extraction for the Simultaneous Extraction of Eight Metals in Seawater before ICP-OES Analysis. <i>Molecules</i> , 2020, 25, 3395.	3.8	3
59	Applications of Nanomaterials in Miniaturized Extraction Techniques. , 2018, , 157-200.		2
60	Greening the Derivatization Step in Analytical Extractions: Recent Strategies and Future Directions. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 151-166.	0.7	1