Muhammad Sajid

List of Publications by Year
in descending order

60 papers	4,982 citations	94269 37 h-index	138251 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. Journal of Saudi Chemical Society, 2015, 19, 689-705.	2.4	545
2	Chemically modified electrodes for electrochemical detection of dopamine in the presence of uric acid and ascorbic acid: A review. TrAC - Trends in Analytical Chemistry, 2016, 76, 15-29.	5.8	313
3	Impact of nanoparticles on human and environment: review of toxicity factors, exposures, control strategies, and future prospects. Environmental Science and Pollution Research, 2015, 22, 4122-4143.	2.7	294
4	Removal of heavy metals and organic pollutants from water using dendritic polymers based adsorbents: A critical review. Separation and Purification Technology, 2018, 191, 400-423.	3.9	285
5	Recent trends in nanomaterial-modified electrodes for electroanalytical applications. TrAC - Trends in Analytical Chemistry, 2019, 111, 47-61.	5.8	235
6	Green analytical chemistry metrics: A review. Talanta, 2022, 238, 123046.	2.9	219
7	Layered double hydroxides: Emerging sorbent materials for analytical extractions. TrAC - Trends in Analytical Chemistry, 2016, 75, 174-182.	5.8	183
8	Graphene-based adsorbents for the removal of toxic organic pollutants: A review. Journal of Environmental Management, 2019, 244, 370-382.	3.8	164
9	Liquidâ€“phase microextraction: A review of reviews. Microchemical Journal, 2019, 149, 103989.	2.3	143
10	Desalination and environment: A critical analysis of impacts, mitigation strategies, and greener desalination technologies. Science of the Total Environment, 2021, 780, 146585.	3.9	132
11	Nanoparticles: Synthesis, characteristics, and applications in analytical and other sciences. Microchemical Journal, 2020, 154, 104623.	2.3	116
12	Graphite pencil electrodes as electrochemical sensors for environmental analysis: a review of features, developments, and applications. RSC Advances, 2016, 6, 91325-91340.	1.7	112
13	Porous membrane protected micro-solid-phase extraction: A review of features, advancements and applications. Analytica Chimica Acta, 2017, 965, 36-53.	2.6	104
14	Chemically modified electrodes for electrochemical detection of dopamine: Challenges and opportunities. TrAC - Trends in Analytical Chemistry, 2019, 118, 368-385.	5.8	103
15	Applications of layered double hydroxides based electrochemical sensors for determination of environmental pollutants: A review. Trends in Environmental Analytical Chemistry, 2017, 16, 1-15.	5.3	101
16	Toxicity of nanoscale metal organic frameworks: a perspective. Environmental Science and Pollution Research, 2016, 23, 14805-14807.	2.7	98
17	Magnetic ionic liquids in analytical sample preparation: A literature review. TrAC - Trends in Analytical Chemistry, 2019, 113, 210-223.	5.8	97
18	Solid Phase Microextraction: Apparatus, Sorbent Materials, and Application. Critical Reviews in Analytical Chemistry, 2019, 49, 271-288.	1.8	96

#	Article	IF	Citations
19	Novel materials for dispersive (micro) solid-phase extraction of polycyclic aromatic hydrocarbons in environmental water samples: A review. Analytica Chimica Acta, 2021, 1141, 246-262.	2.6	86
20	Combined extraction and microextraction techniques: Recent trends and future perspectives. TrAC - Trends in Analytical Chemistry, 2018, 103, 74-86.	5.8	84
21	Removal of pharmaceuticals from water using sewage sludge-derived biochar: A review. Chemosphere, 2022, 289, 133196.	4.2	84
22	Dispersive liquid-liquid microextraction based binary extraction techniques prior to chromatographic analysis: A review. TrAC - Trends in Analytical Chemistry, 2018, 108, 167-182.	5.8	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. Journal of Chromatography A, 2017, 1489, 1-8.	1.8	74
24	MXenes: Are they emerging materials for analytical chemistry applications? â€“ A review. Analytica Chimica Acta, 2021, 1143, 267-280.	2.6	73
25	Development of natural sorbent based micro-solid-phase extraction for determination of phthalate esters in milk samples. Analytica Chimica Acta, 2016, 924, 35-44.	2.6	71
26	The use of silica nanoparticles for gas chromatographic separation. Journal of Chromatography A, 2011, 1218, 4552-4558.	1.8	69
27	Dispersive liquid-liquid microextraction coupled with derivatization: A review of different modes, applications, and green aspects. TrAC - Trends in Analytical Chemistry, 2018, 106, 169-182.	5.8	69
28	Layered double hydroxide-modified membranes for water treatment: Recent advances and prospects. Chemosphere, 2022, 287, 132140.	4.2	68
29	Aerogel-based adsorbents as emerging materials for the removal of heavy metals from water: Progress, challenges, and prospects. Separation and Purification Technology, 2022, 291, 120923.	3.9	57
30	PTFE-coated non-stick cookware and toxicity concerns: a perspective. Environmental Science and Pollution Research, 2017, 24, 23436-23440.	2.7	55
31	Membrane protected micro-solid-phase extraction of organochlorine pesticides in milk samples using zinc oxide incorporated carbon foam as sorbent. Journal of Chromatography A, 2016, 1475, 110-115.	1.8	53
32	Green Chemistry in Higher Education: State of the Art, Challenges, and Future Trends. ChemSusChem, 2018, 11, 2845-2858.	3.6	49
33	Carbon nanotubes-based adsorbents: Properties, functionalization, interaction mechanisms, and applications in water purification. Journal of Water Process Engineering, 2022, 47, 102815.	2.6	49
34	â€œGreenâ€•nature of the process of derivatization in analytical sample preparation. TrAC - Trends in Analytical Chemistry, 2018, 102, 16-31.	5.8	46
35	Greenness of magnetic nanomaterials in miniaturized extraction techniques: A review. Talanta, 2021, 225, 122053.	2.9	45
36	Application of microwave-assisted micro-solid-phase extraction for determination of parabens in human ovarian cancer tissues. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1000, 192-198.	1.2	44

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37	Application of porous membrane bag enclosed alkaline treated Y-Zeolite for removal of heavy metal ions from water. Microchemical Journal, 2020, 152, 104289.	2.3	43
38	Porous graphene-based electrodes: Advances in electrochemical sensing of environmental contaminants. Trends in Environmental Analytical Chemistry, 2021, 30, e00120.	5.3	39
39	Dispersive liquid-liquid microextraction: Evolution in design, application areas, and green aspects. TrAC - Trends in Analytical Chemistry, 2022, 152, 116636.	5.8	39
40	Stir-bar supported micro-solid-phase extraction for the determination of polychlorinated biphenyl congeners in serum samples. Journal of Chromatography A, 2016, 1455, 37-44.	1.8	34
41	Dendrimers based sorbents: Promising materials for analytical extractions. TrAC - Trends in Analytical Chemistry, 2018, 98, 114-127.	5.8	33
42	Nanomaterials: types, properties, recent advances, and toxicity concerns. Current Opinion in Environmental Science and Health, 2022, 25, 100319.	2.1	33
43	Recent Progress in Microfiltration/Ultrafiltration Membranes for Separation of Oil and Water Emulsions. Chemical Record, 2022, 22, e202100320.	2.9	25
44	Evaluation of carbon foam as an adsorbent in stir-bar supported micro-solid-phase extraction coupled with gas chromatographyâ€“mass spectrometry for the determination of polyaromatic hydrocarbons in wastewater samples. Microchemical Journal, 2019, 144, 361-368.	2.3	24
45	Removal of methylene blue and rose bengal dyes from aqueous solutions using 1-naphthylammonium tetrachloroferrate (III). Journal of Molecular Liquids, 2021, 322, 114966.	2.3	24
46	Ultrasound-assisted solvent extraction of organochlorine pesticides from porous membrane packed tea samples followed by GCâ€“MS analysis. Microchemical Journal, 2020, 152, 104464.	2.3	21
47	Ionic liquid-based membrane-protected micro-solid-phase extraction of organochlorine pesticides in environmental water samples. Microchemical Journal, 2020, 158, 105295.	2.3	21
48	Determination of haloacetic acids in water using layered double hydroxides as a sorbent in dispersive solidâ€phase extraction followed by liquid chromatography with tandem mass spectrometry. Journal of Separation Science, 2016, 39, 3610-3615.	1.3	20
49	Modern solutions in magnetic analytical extractions of metals: A review. TrAC - Trends in Analytical Chemistry, 2020, 130, 115987.	5.8	20
50	Ultrasound-assisted solvent extraction of porous membrane packed solid samples: A new approach for extraction of target analytes from solid samples. Microchemical Journal, 2019, 144, 117-123.	2.3	19
51	Single-step microwave assisted headspace liquid-phase microextraction of trihalomethanes and haloketones in biological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1007, 43-48.	1.2	16
52	First Investigations on the Removal of Tungsten Species from Water Using Multi-walled Carbon Nanotubes. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	15
53	Ferrofluids based analytical extractions and evaluation of their greenness. Journal of Molecular Liquids, 2021, 339, 116901.	2.3	14
54	Bentonite-modified electrochemical sensors: a brief overview of features and applications. Ionics, 2018, 24, 19-32.	1.2	11

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55	Flow-Assisted Electro-Enhanced Solid-Phase Microextraction for the Determination of Haloethers in Water Samples. Chromatographia, 2016, 79, 97-102.	0.7	10
56	Dispersive liquidâ€“liquid microextraction of multi-elements in seawater followed by inductively coupled plasma-mass spectrometric analysis and evaluation of its greenness. Microchemical Journal, 2021, 169, 106565.	2.3	10
57	Toxicity of nanoscale metal-organic frameworks in biological systems. , 2020, , 383-395.		7
58	Development of Membrane-Based Inverted Liquidâ€“Liquid Extraction for the Simultaneous Extraction of Eight Metals in Seawater before ICP-OES Analysis. Molecules, 2020, 25, 3395.	1.7	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. Green Chemistry and Sustainable Technology, 2019, , 151-166.	0.4	1