Abubakr M Idris

List of Publications by Year in Descending Order

106 papers	1,157 citations	19 h-index	27 g-index
112 ext. papers	1,657 ext. citations	3.6 avg, IF	5.15 L-index

#	Paper	IF	Citations
106	Potentially toxic elemental contamination in Wainivesi River, Fiji impacted by gold-mining activities using chemometric tools and SOM analysis.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	4
105	PPE pollution in the terrestrial and aquatic environment of the Chittagong city area associated with the COVID-19 pandemic and concomitant health implications.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	3
104	A hybrid multi objective cellular spotted hyena optimizer for wellbore trajectory optimization.. *PLoS ONE*, **2022**, 17, e0261427	3.7	
103	Degradation mechanism of Direct Red 23 dye by advanced oxidation processes: a comparative study. *Toxin Reviews*, **2022**, 41, 38-47	2.3	3
102	A coupled novel framework for assessing vulnerability of water resources using hydrochemical analysis and data-driven models. *Journal of Cleaner Production*, **2022**, 336, 130407	10.3	5
101	Potentially toxic elements in vegetable and rice species in Bangladesh and their exposure assessment. *Journal of Food Composition and Analysis*, **2022**, 106, 104350	4.1	2
100	Receptor model-based source apportionment and ecological risk of metals in sediments of an urban river in Bangladesh. *Journal of Hazardous Materials*, **2022**, 423, 127030	12.8	15
99	Multi-media compartments for assessing ecological and health risks from concurrent exposure to multiple contaminants on Bhola Island, Bangladesh. *Emerging Contaminants*, **2022**, 8, 134-150	5.8	0
98	The Multifunctional Role of Herbal Products in the Management of Diabetes and Obesity: A Comprehensive Review.. *Molecules*, **2022**, 27,	4.8	24
97	Environmental geochemistry of higher radioactivity in a transboundary Himalayan river sediment (Brahmaputra, Bangladesh): potential radiation exposure and health risks.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	3
96	Personal protective equipment (PPE) pollution in the Caspian Sea, the largest enclosed inland water body in the world.. *Science of the Total Environment*, **2022**, 153771	10.2	9
95	Amassing the Covid-19 driven PPE wastes in the dwelling environment of Chittagong Metropolis and associated implications.. *Chemosphere*, **2022**, 297, 134022	8.4	0
94	Structural and In Situ X-ray Diffraction Study of Hydrogenation of CaxMg1−xNi2 (0 ≤ x ≤ 1). *Crystals*, **2022**, 12, 47	2.3	
93	Bio-Synthesized Tin Oxide Nanoparticles: Structural, Optical, and Biological Studies. *Crystals*, **2022**, 12, 614	2.3	2
92	Pharmacological Potential of Leaf Extract: An Experimental Analysis Focusing on Antidiabetic, Anti-inflammatory, Analgesic, and Antidiarrheal Activity.. *BioMed Research International*, **2022**, 2022, 7624189	3	7
91	Receptor model-oriented sources and risks evaluation of metals in sediments of an industrial affected riverine system in Bangladesh. *Science of the Total Environment*, **2022**, 156029	10.2	0
90	Metal-Doped Graphitic Carbon Nitride Nanomaterials for Photocatalytic Environmental Applications—A Review. *Nanomaterials*, **2022**, 12, 1754	5.4	3

89	Road dust-driven elemental distribution in megacity Dhaka, Bangladesh: environmental, ecological, and human health risks assessment. *Environmental Science and Pollution Research*, **2021**, 1	5.1	4
88	Natural Bioactive Molecules: An Alternative Approach to the Treatment and Control of COVID-19. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	15
87	Macro marine litter survey of sandy beaches along the Cox's Bazar Coast of Bay of Bengal, Bangladesh: Land-based sources of solid litter pollution.. *Marine Pollution Bulletin*, **2021**, 174, 113246	6.7	7
86	Assessment of heavy metal contamination in sediment at the newly established tannery industrial Estate in Bangladesh: A case study. *Environmental Chemistry and Ecotoxicology*, **2021**, 4, 1-1	3.9	10
85	Knowledge, attitude, and practice regarding infection control measures among dental students during COVID-19 pandemic. *Archives of Environmental and Occupational Health*, **2021**, 1-13	2	1
84	Potentially toxic elements in street dust from an urban city of a developing country: ecological and probabilistic health risks assessment. *Environmental Science and Pollution Research*, **2021**, 28, 57126-57148	5.1	10
83	Contamination and human health risk assessment of heavy metals in soil of a municipal solid waste dumpsite in Khamees-Mushait, Saudi Arabia. *Toxin Reviews*, **2021**, 40, 102-115	2.3	19
82	Developing an Ultra-Sensitive Catalytic Spectrophotometric Method for Vanadium Determination in Virgin and Used Lubricating Oils. *Petroleum Chemistry*, **2021**, 61, 220-230	1.1	1
81	Particle induced X-ray emission and Rutherford backscattering spectrometry for testing homogeneity of environmental certified reference material candidates. *International Journal of Environmental Analytical Chemistry*, **2021**, 101, 778-793	1.8	1
80	SEM, SEM-EDX, μ-ATR-FTIR and XRD for urban street dust characterisation. *International Journal of Environmental Analytical Chemistry*, **2021**, 101, 988-1006	1.8	2
79	Hydrological distribution of physicochemical parameters and heavy metals in surface water and their ecotoxicological implications in the Bay of Bengal coast of Bangladesh. *Environmental Science and Pollution Research*, **2021**, 1	5.1	7
78	Distribution of heavy metals in water and sediment of an urban river in a developing country: A probabilistic risk assessment. *International Journal of Sediment Research*, **2021**, 37, 173-173	3	14
77	Potential toxic metals (PTMs) contamination in agricultural soils and foodstuffs with associated source identification and model uncertainty. *Science of the Total Environment*, **2021**, 789, 147962	10.2	10
76	Application of novel framework approach for prediction of nitrate concentration susceptibility in coastal multi-aquifers, Bangladesh. *Science of the Total Environment*, **2021**, 801, 149811	10.2	5
75	Plant–microbe–metal interactions for heavy metal bioremediation: a review. *Crop and Pasture Science*, **2021**,	2.2	6
74	Flow Injection Techniques for Tetracycline Quantification: A Review. *Critical Reviews in Analytical Chemistry*, **2021**, 1-19	5.2	
73	Isotopic and chemical facies for assessing the shallow water table aquifer quality in Goly Region, White Nile State, Sudan: focusing on nitrate source apportionment and human health risk. *Toxin Reviews*, **2020**, 1-13	2.3	12
72	Influence of cement dust exposure on periodontal health of occupational workers. *Toxin Reviews*, **2020**, 1-9	2.3	3

71	Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism. *Toxin Reviews*, **2020**, 1-9	2.3	5
70	Feasible and eco-friendly removal of hexavalent chromium toxicant from aqueous solutions using chemically modified sugarcane bagasse cellulose. *Toxin Reviews*, **2020**, 1-12	2.3	10
69	Sequential Injection Chromatography with Monolithic Column for Phenothiazines Assay in Human Urine and Pharmaceutical Formulations. *Current Pharmaceutical Analysis*, **2020**, 16, 967-975	0.6	0
68	An in-depth investigation in photoconductivity of Poly(vinyl alcohol)/Starch/Magnetite nanoparticle composite films for optoelectronic applications. *Optik*, **2020**, 208, 164107	2.5	3
67	Investigation of total zinc contents and zinc-protein profile in medicinal plants traditionally used for diabetes treatment. *BioMetals*, **2020**, 33, 65-74	3.4	8
66	Mercury(II) decontamination using a newly synthesized poly(acrylonitrile-acrylic acid)/ammonium molybdophosphate composite exchanger. *Toxin Reviews*, **2020**, 1-13	2.3	2
65	Cr and Mn total, accessible species, and protein-fraction contents in plants used for traditional anti-diabetes treatment. *Journal of Trace Elements in Medicine and Biology*, **2020**, 62, 126645	4.1	4
64	Combining relationship indices, human risk indices, multivariate statistical analysis and international guidelines for assessing the residue levels of USEPA-PAHs in seafood. *Polycyclic Aromatic Compounds*, **2020**, 40, 758-773	1.3	5
63	Contamination level and risk assessment of heavy metal deposited in street dusts in Khamees-Mushait city, Saudi Arabia. *Human and Ecological Risk Assessment (HERA)*, **2020**, 26, 495-511	4.9	29
62	Long-term stability test of elemental content in new environmental certified reference material candidates using ICP OES and ICP-SFMS. *Toxin Reviews*, **2019**, 1-9	2.3	2
61	Synthesis, characterization, and application of a novel polymeric-bentonite-magnetite composite resin for water softening. *Separation and Purification Technology*, **2019**, 224, 356-365	8.3	20
60	Between-bottle homogeneity test of new certified reference materials employing wavelength dispersive X-ray fluorescence spectrometry. *BMC Chemistry*, **2019**, 13, 23	3.7	7
59	Bioaccumulation and health risk assessment of toxic metals in red algae in Sudanese Red Sea coast. *Toxin Reviews*, **2019**, 1-11	2.3	17
58	Indicative properties measurements by SEM, SEM-EDX and XRD for initial homogeneity tests of new certified reference materials. *Microchemical Journal*, **2019**, 146, 429-433	4.8	22
57	Spatial distribution of total and bioavailable heavy metal contents in soil from agricultural, residential, and industrial areas in Sudan. *Toxin Reviews*, **2019**, 38, 93-105	2.3	20
56	Integration of instrumental neutron activation analysis and inductively coupled plasma-optical emission spectrometry with mathematical modeling for the elemental analysis of plants. *Instrumentation Science and Technology*, **2017**, 45, 525-540	1.4	4
55	Brown algae (Phaeophyta) for monitoring heavy metals at the Sudanese Red Sea coast. *Applied Water Science*, **2017**, 7, 3817-3824	5	22
54	Optimization using the gradient and simplex methods. *Talanta*, **2016**, 148, 641-8	6.2	14

53	Combining multivariate analysis and human risk indices for assessing heavy metal contents in muscle tissues of commercially fish from Southern Red Sea, Saudi Arabia. *Environmental Science and Pollution Research*, **2015**, 22, 17012-21	5.1	19
52	Levels of zinc, copper, cadmium, and lead in fruits and vegetables grown and consumed in Aseer Region, Saudi Arabia. *Environmental Monitoring and Assessment*, **2015**, 187, 676	3.1	23
51	Quadruple Response Factorial Design Optimization of Capillary Zone Electrophoresis Assay Procedure for Metformin and Sitagliptin Combination. *Journal of Liquid Chromatography and Related Technologies*, **2015**, 38, 1379-1383	1.3	5
50	Optimizing SIC assay method for acetyl salicylic acid and rosuvastatin and adapting to HPLC with performance comparison. *Acta Chromatographica*, **2015**, 27, 111-125	1.5	3
49	Facile assay method for norfloxacin and ciprofloxacin by sequential injection chromatography. *Acta Chromatographica*, **2014**, 26, 321-334	1.5	6
48	The second five years of sequential injection chromatography: significant developments in the technology and methodologies. *Critical Reviews in Analytical Chemistry*, **2014**, 44, 220-32	5.2	20
47	Development of a CZE method for the quantification of pseudoephedrine and cetirizine. *Journal of Chromatographic Science*, **2014**, 52, 1104-8	1.4	4
46	Eco-friendly, cost-effective and fast method for the estimation of furosemide and amiloride in tablet formulation by sequential injection chromatography. *Journal of Analytical Chemistry*, **2014**, 69, 1193-1198	1.1	3
45	High-throughput sequential injection assay method for chlorpromazine. *Journal of Analytical Chemistry*, **2013**, 68, 233-240	1.1	1
44	Capillary electrophoresis assay method for metoprolol and hydrochlorothiazide in their combined dosage form with multivariate optimization. *Journal of Chromatographic Science*, **2013**, 51, 92-7	1.4	14
43	Native fluorescent detection with sequential injection chromatography for doping control analysis. *Chemistry Central Journal*, **2013**, 7, 144		4
42	Sequential injection chromatography for separation and quantification of chlorpromazine in human urine and pharmaceutical formulations. *Journal of AOAC INTERNATIONAL*, **2013**, 96, 282-9	1.7	13
41	MICRO-SCALE METHOD FOR SEPARATION AND QUANTIFICATION OF ATENOLOL AND HYDROCHLOROTHIAZIDE BY SEQUENTIAL INJECTION CHROMATOGRAPHY. *Journal of Liquid Chromatography and Related Technologies*, **2013**, 36, 2814-2827	1.3	6
40	Multi-response optimization of sequential injection chromatographic method for determination of lisinopril and hydrochlorothiazide. *Analytical Methods*, **2012**, 4, 2081	3.2	11
39	Developing new method for quantifying pindolol by sequential injection analysis. *Journal of Analytical Chemistry*, **2012**, 67, 497-503	1.1	6
38	SEQUENTIAL INJECTION CHROMATOGRAPHY FOR BIOFLUIDIC ANALYSIS: APPLICATION TO PROMETHAZINE ASSAY. *Journal of Liquid Chromatography and Related Technologies*, **2012**, 35, 2884-2899	1.3	8
37	Sequential injection chromatography against HPLC and CE: Application to separation and quantification of amoxicillin and clavulanic acid. *Microchemical Journal*, **2011**, 99, 174-179	4.8	15
36	Rapid inexpensive assay method for verapamil by spectrophotometric sequential injection analysis. *Drug Testing and Analysis*, **2011**, 3, 380-6	3.5	24

35	Inexpensive Green Method for Diclofenac Assay Utilizing Sequential Injection Chromatography. *Chromatographia*, **2011**, 73, 431-437	2.1	18
34	Sequential injection chromatography with a miniaturized multi-channel fiber optic detector for separation and quantification of propranolol and hydrochlorothiazide. *Chemistry Central Journal*, **2011**, 5, 28		15
33	Screening of conditions controlling spectrophotometric sequential injection analysis. *Chemistry Central Journal*, **2011**, 5, 9		11
32	REVERSED-PHASE SEQUENTIAL INJECTION LIQUID CHROMATOGRAPHIC METHOD FOR SILDENAFIL ASSAY. *Journal of Liquid Chromatography and Related Technologies*, **2011**, 34, 2256-2270	1.3	10
31	An Overview of the Generations and Recent Versions of Flow Injection Techniques. *Critical Reviews in Analytical Chemistry*, **2010**, 40, 150-158	5.2	32
30	Flow Injection, Overlooked Techniques in Forensic Analysis. *Critical Reviews in Analytical Chemistry*, **2010**, 40, 218-225	5.2	23
29	Factorial design and response surface optimization of spectrophotometric sequential injection analysis of olanzapine formulations. *Journal of Analytical Chemistry*, **2010**, 65, 36-42	1.1	17
28	Exploiting sequential injection analysis technique to automate on-line sample treatment and quantitative determination of morphine in human urine. *Talanta*, **2008**, 77, 522-526	6.2	32
27	Combining multivariate analysis and geochemical approaches for assessing heavy metal level in sediments from Sudanese harbors along the Red Sea coast. *Microchemical Journal*, **2008**, 90, 159-163	4.8	122
26	Experimental design optimization of a sequential injection method for promazine assay in bulk and pharmaceutical formulations. *Journal of Automated Methods and Management in Chemistry*, **2007**, 2007, 32470		6
25	Development of a stability-indicating capillary electrophoresis method for norfloxacin and its inactive decarboxylated degradant. *Microchemical Journal*, **2007**, 87, 35-40	4.8	28
24	Assessment of heavy metals pollution in Sudanese harbours along the Red Sea Coast. *Microchemical Journal*, **2007**, 87, 104-112	4.8	57
23	Development of a capillary electrophoresis method for the screening of human urine for multiple drugs of abuse. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 856, 62-7	3.2	23
22	On-line coupling of solid-phase extraction, derivatization reaction and spectrophotometry by sequential injection analysis: application to trifluoperazine assay in human urine. *Journal of Pharmacological and Toxicological Methods*, **2007**, 56, 330-5	1.7	23
21	Capillary electrophoresis for the determination of norfloxacin and tinidazole in pharmaceuticals with multi-response optimization. *Talanta*, **2007**, 72, 842-6	6.2	49
20	Chemometric optimization of a SIA promethazine hydrochloride assay method. *Microchemical Journal*, **2006**, 83, 7-13	4.8	23
19	Synthesis, Characterization, and Application of TiO2/Magnetite/Chitosan Nanocomposite for Adsorptive Removal of Naphthalene from Aqueous Solutions. *Petroleum Chemistry*,1	1.1	
18	Polyphenols: A first evidence in the synergism and bioactivities. *Food Reviews International*,1-23	5.5	10

17	The efficacy of neutron activation analysis for homogeneity testing of CRMs candidates of soil matrices. *International Journal of Environmental Analytical Chemistry*,1-14	1.8	
16	Contamination and ecological risk assessment of heavy metals in water and sediment from hubs of fish resource river in a developing country. *Toxin Reviews*,1-16	2.3	4
15	Public Health Vulnerability Due to the Exposure of Dissolved Metal(oid)s in Tap Water from a Mega City (Dhaka, Bangladesh): Source and Quality Appraisals. *Exposure and Health*,1	8.8	3
14	Geochemical speciation and bioaccumulation of trace elements in different tissues of pumpkin in the abandoned soils: Health hazard perspective in a developing country. *Toxin Reviews*,1-15	2.3	5
13	Potential toxic elements in sediment and fishes of an important fish breeding river in Bangladesh: a preliminary study for ecological and health risks assessment. *Toxin Reviews*,1-14	2.3	6
12	Assessment of trace element toxicity in surface water of a fish breeding river in Bangladesh: a novel approach for ecological and health risk evaluation. *Toxin Reviews*,1-17	2.3	7
11	High surface area microporous activated carbon from Pisum sativum peels for hexavalent chromium removal from aquatic environment. *Toxin Reviews*,1-11	2.3	2
10	Trace elements concentration in soil and plant within the vicinity of abandoned tanning sites in Bangladesh: an integrated chemometric approach for health risk assessment. *Toxin Reviews*,1-16	2.3	10
9	Removal of arsenic(III) from aqueous media using amine functionalized-grafted styrene/maleic anhydride low-density polyethylene films. *Toxin Reviews*,1-8	2.3	3
8	Spatial distribution, multivariate statistical analysis, and health risk assessment of some parameters controlling drinking water quality at selected primary schools located in the southwestern coastal region of Bangladesh. *Toxin Reviews*,1-14	2.3	3
7	A comprehensive assessment of heavy metal contamination in road dusts along a hectic national highway of Bangladesh: spatial distribution, sources of contamination, ecological and human health risks. *Toxin Reviews*,1-20	2.3	7
6	Geochemical variation and contamination level of potentially toxic elements in land-uses urban soils. *International Journal of Environmental Analytical Chemistry*,1-18	1.8	6
5	Heavy metals in sediments of an urban river at the vicinity of tannery industries in Bangladesh: a preliminary study for ecological and human health risk. *International Journal of Environmental Analytical Chemistry*,1-19	1.8	10
4	The presence of toxic metals in tillage soils of Chittagong hill tracts in Bangladesh and the resultant health risk. *International Journal of Environmental Analytical Chemistry*,1-20	1.8	1
3	Fast removal of methylene blue by modified sorel cement using manganese(VII) as an additive: kinetics, thermodynamics, and equilibrium studies. *International Journal of Environmental Analytical Chemistry*,1-21	1.8	
2	Response of Sesame to Intercropping with Groundnut and Cowpea. *Communications in Soil Science and Plant Analysis*,1-12	1.5	
1	Physicochemical properties of water in an intensive agricultural region in Bangladesh: a preliminary study for water quality and health risk assessment. *International Journal of Environmental Analytical Chemistry*,1-22	1.8	1