

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Combining multivariate analysis and geochemical approaches for assessing heavy metal level in sediments from Sudanese harbors along the Red Sea coast. <i>Microchemical Journal</i> , 2008 , 90, 159-163	4.8	122
105	Assessment of heavy metals pollution in Sudanese harbours along the Red Sea Coast. <i>Microchemical Journal</i> , 2007 , 87, 104-112	4.8	57
104	Capillary electrophoresis for the determination of norfloxacin and tinidazole in pharmaceuticals with multi-response optimization. <i>Talanta</i> , 2007 , 72, 842-6	6.2	49
103	An Overview of the Generations and Recent Versions of Flow Injection Techniques. <i>Critical Reviews in Analytical Chemistry</i> , 2010 , 40, 150-158	5.2	32
102	Exploiting sequential injection analysis technique to automate on-line sample treatment and quantitative determination of morphine in human urine. <i>Talanta</i> , 2008 , 77, 522-526	6.2	32
101	Contamination level and risk assessment of heavy metal deposited in street dusts in Khamees-Mushait city, Saudi Arabia. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020 , 26, 495-511	4.9	29
100	Development of a stability-indicating capillary electrophoresis method for norfloxacin and its inactive decarboxylated degradant. <i>Microchemical Journal</i> , 2007 , 87, 35-40	4.8	28
99	Rapid inexpensive assay method for verapamil by spectrophotometric sequential injection analysis. <i>Drug Testing and Analysis</i> , 2011 , 3, 380-6	3.5	24
98	The Multifunctional Role of Herbal Products in the Management of Diabetes and Obesity: A Comprehensive Review.. <i>Molecules</i> , 2022 , 27,	4.8	24
97	Levels of zinc, copper, cadmium, and lead in fruits and vegetables grown and consumed in Aseer Region, Saudi Arabia. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 676	3.1	23
96	Flow Injection, Overlooked Techniques in Forensic Analysis. <i>Critical Reviews in Analytical Chemistry</i> , 2010 , 40, 218-225	5.2	23
95	Development of a capillary electrophoresis method for the screening of human urine for multiple drugs of abuse. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 856, 62-7	3.2	23
94	On-line coupling of solid-phase extraction, derivatization reaction and spectrophotometry by sequential injection analysis: application to trifluoperazine assay in human urine. <i>Journal of Pharmacological and Toxicological Methods</i> , 2007 , 56, 330-5	1.7	23
93	Chemometric optimization of a SIA promethazine hydrochloride assay method. <i>Microchemical Journal</i> , 2006 , 83, 7-13	4.8	23
92	Brown algae (Phaeophyta) for monitoring heavy metals at the Sudanese Red Sea coast. <i>Applied Water Science</i> , 2017 , 7, 3817-3824	5	22
91	Indicative properties measurements by SEM, SEM-EDX and XRD for initial homogeneity tests of new certified reference materials. <i>Microchemical Journal</i> , 2019 , 146, 429-433	4.8	22
90	Synthesis, characterization, and application of a novel polymeric-bentonite-magnetite composite resin for water softening. <i>Separation and Purification Technology</i> , 2019 , 224, 356-365	8.3	20

89	The second five years of sequential injection chromatography: significant developments in the technology and methodologies. <i>Critical Reviews in Analytical Chemistry</i> , 2014 , 44, 220-32	5.2	20
88	Spatial distribution of total and bioavailable heavy metal contents in soil from agricultural, residential, and industrial areas in Sudan. <i>Toxin Reviews</i> , 2019 , 38, 93-105	2.3	20
87	Combining multivariate analysis and human risk indices for assessing heavy metal contents in muscle tissues of commercially fish from Southern Red Sea, Saudi Arabia. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 17012-21	5.1	19
86	Contamination and human health risk assessment of heavy metals in soil of a municipal solid waste dumpsite in Khamees-Mushait, Saudi Arabia. <i>Toxin Reviews</i> , 2021 , 40, 102-115	2.3	19
85	Inexpensive Green Method for Diclofenac Assay Utilizing Sequential Injection Chromatography. <i>Chromatographia</i> , 2011 , 73, 431-437	2.1	18
84	Factorial design and response surface optimization of spectrophotometric sequential injection analysis of olanzapine formulations. <i>Journal of Analytical Chemistry</i> , 2010 , 65, 36-42	1.1	17
83	Bioaccumulation and health risk assessment of toxic metals in red algae in Sudanese Red Sea coast. <i>Toxin Reviews</i> , 2019 , 1-11	2.3	17
82	Sequential injection chromatography against HPLC and CE: Application to separation and quantification of amoxicillin and clavulanic acid. <i>Microchemical Journal</i> , 2011 , 99, 174-179	4.8	15
81	Sequential injection chromatography with a miniaturized multi-channel fiber optic detector for separation and quantification of propranolol and hydrochlorothiazide. <i>Chemistry Central Journal</i> , 2011 , 5, 28		15
80	Natural Bioactive Molecules: An Alternative Approach to the Treatment and Control of COVID-19. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	15
79	Receptor model-based source apportionment and ecological risk of metals in sediments of an urban river in Bangladesh. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127030	12.8	15
78	Optimization using the gradient and simplex methods. <i>Talanta</i> , 2016 , 148, 641-8	6.2	14
77	Capillary electrophoresis assay method for metoprolol and hydrochlorothiazide in their combined dosage form with multivariate optimization. <i>Journal of Chromatographic Science</i> , 2013 , 51, 92-7	1.4	14
76	Distribution of heavy metals in water and sediment of an urban river in a developing country: A probabilistic risk assessment. <i>International Journal of Sediment Research</i> , 2021 , 37, 173-173	3	14
75	Sequential injection chromatography for separation and quantification of chlorpromazine in human urine and pharmaceutical formulations. <i>Journal of AOAC INTERNATIONAL</i> , 2013 , 96, 282-9	1.7	13
74	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. <i>Toxin Reviews</i> , 2020 , 1-13	2.3	12
73	Multi-response optimization of sequential injection chromatographic method for determination of lisinopril and hydrochlorothiazide. <i>Analytical Methods</i> , 2012 , 4, 2081	3.2	11
72	Screening of conditions controlling spectrophotometric sequential injection analysis. <i>Chemistry Central Journal</i> , 2011 , 5, 9		11

71	Feasible and eco-friendly removal of hexavalent chromium toxicant from aqueous solutions using chemically modified sugarcane bagasse cellulose. <i>Toxin Reviews</i> , 2020 , 1-12	2.3	10
70	REVERSED-PHASE SEQUENTIAL INJECTION LIQUID CHROMATOGRAPHIC METHOD FOR SILDENAFIL ASSAY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011 , 34, 2256-2270	1.3	10
69	Polyphenols: A first evidence in the synergism and bioactivities. <i>Food Reviews International</i> , 1-23	5.5	10
68	Assessment of heavy metal contamination in sediment at the newly established tannery industrial Estate in Bangladesh: A case study. <i>Environmental Chemistry and Ecotoxicology</i> , 2021 , 4, 1-1	3.9	10
67	Trace elements concentration in soil and plant within the vicinity of abandoned tanning sites in Bangladesh: an integrated chemometric approach for health risk assessment. <i>Toxin Reviews</i> , 1-16	2.3	10
66	Potentially toxic elements in street dust from an urban city of a developing country: ecological and probabilistic health risks assessment. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 57126-57148	5.1	10
65	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. <i>International Journal of Environmental Analytical Chemistry</i> , 1-19	1.8	10
64	Potential toxic metals (PTMs) contamination in agricultural soils and foodstuffs with associated source identification and model uncertainty. <i>Science of the Total Environment</i> , 2021 , 789, 147962	10.2	10
63	Personal protective equipment (PPE) pollution in the Caspian Sea, the largest enclosed inland water body in the world.. <i>Science of the Total Environment</i> , 2022 , 153771	10.2	9
62	SEQUENTIAL INJECTION CHROMATOGRAPHY FOR BIOFLUIDIC ANALYSIS: APPLICATION TO PROMETHAZINE ASSAY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012 , 35, 2884-2899	1.3	8
61	Investigation of total zinc contents and zinc-protein profile in medicinal plants traditionally used for diabetes treatment. <i>BioMetals</i> , 2020 , 33, 65-74	3.4	8
60	Between-bottle homogeneity test of new certified reference materials employing wavelength dispersive X-ray fluorescence spectrometry. <i>BMC Chemistry</i> , 2019 , 13, 23	3.7	7
59	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.. <i>Marine Pollution Bulletin</i> , 2021 , 174, 113246	6.7	7
58	Assessment of trace element toxicity in surface water of a fish breeding river in Bangladesh: a novel approach for ecological and health risk evaluation. <i>Toxin Reviews</i> , 1-17	2.3	7
57	Hydrological distribution of physicochemical parameters and heavy metals in surface water and their ecotoxicological implications in the Bay of Bengal coast of Bangladesh. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	7
56	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. <i>Toxin Reviews</i> , 1-20	2.3	7
55	Pharmacological Potential of Leaf Extract: An Experimental Analysis Focusing on Antidiabetic, Anti-inflammatory, Analgesic, and Antidiarrheal Activity.. <i>BioMed Research International</i> , 2022 , 2022, 7624189	3	7
54	Facile assay method for norfloxacin and ciprofloxacin by sequential injection chromatography. <i>Acta Chromatographica</i> , 2014 , 26, 321-334	1.5	6

53	Developing new method for quantifying pindolol by sequential injection analysis. <i>Journal of Analytical Chemistry</i> , 2012 , 67, 497-503	1.1	6
52	MICRO-SCALE METHOD FOR SEPARATION AND QUANTIFICATION OF ATENOLOL AND HYDROCHLOROTHIAZIDE BY SEQUENTIAL INJECTION CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013 , 36, 2814-2827	1.3	6
51	Experimental design optimization of a sequential injection method for promazine assay in bulk and pharmaceutical formulations. <i>Journal of Automated Methods and Management in Chemistry</i> , 2007 , 2007, 32470		6
50	Potential toxic elements in sediment and fishes of an important fish breeding river in Bangladesh: a preliminary study for ecological and health risks assessment. <i>Toxin Reviews</i> , 1-14	2.3	6
49	Geochemical variation and contamination level of potentially toxic elements in land-uses urban soils. <i>International Journal of Environmental Analytical Chemistry</i> , 1-18	1.8	6
48	Plant-microbe-metal interactions for heavy metal bioremediation: a review. <i>Crop and Pasture Science</i> , 2021 ,	2.2	6
47	Quadruple Response Factorial Design Optimization of Capillary Zone Electrophoresis Assay Procedure for Metformin and Sitagliptin Combination. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 1379-1383	1.3	5
46	Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism. <i>Toxin Reviews</i> , 2020 , 1-9	2.3	5
45	A coupled novel framework for assessing vulnerability of water resources using hydrochemical analysis and data-driven models. <i>Journal of Cleaner Production</i> , 2022 , 336, 130407	10.3	5
44	Geochemical speciation and bioaccumulation of trace elements in different tissues of pumpkin in the abandoned soils: Health hazard perspective in a developing country. <i>Toxin Reviews</i> , 1-15	2.3	5
43	Combining relationship indices, human risk indices, multivariate statistical analysis and international guidelines for assessing the residue levels of USEPA-PAHs in seafood. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 758-773	1.3	5
42	Application of novel framework approach for prediction of nitrate concentration susceptibility in coastal multi-aquifers, Bangladesh. <i>Science of the Total Environment</i> , 2021 , 801, 149811	10.2	5
41	Integration of instrumental neutron activation analysis and inductively coupled plasma-optical emission spectrometry with mathematical modeling for the elemental analysis of plants. <i>Instrumentation Science and Technology</i> , 2017 , 45, 525-540	1.4	4
40	Native fluorescent detection with sequential injection chromatography for doping control analysis. <i>Chemistry Central Journal</i> , 2013 , 7, 144		4
39	Development of a CZE method for the quantification of pseudoephedrine and cetirizine. <i>Journal of Chromatographic Science</i> , 2014 , 52, 1104-8	1.4	4
38	Potentially toxic elemental contamination in Wainivesi River, Fiji impacted by gold-mining activities using chemometric tools and SOM analysis.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	4
37	Road dust-driven elemental distribution in megacity Dhaka, Bangladesh: environmental, ecological, and human health risks assessment. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	4
36	Contamination and ecological risk assessment of heavy metals in water and sediment from hubs of fish resource river in a developing country. <i>Toxin Reviews</i> , 1-16	2.3	4

35	Cr and Mn total, accessible species, and protein-fraction contents in plants used for traditional anti-diabetes treatment. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 62, 126645	4.1	4
34	Influence of cement dust exposure on periodontal health of occupational workers. <i>Toxin Reviews</i> , 2020 , 1-9	2.3	3
33	Optimizing SIC assay method for acetyl salicylic acid and rosuvastatin and adapting to HPLC with performance comparison. <i>Acta Chromatographica</i> , 2015 , 27, 111-125	1.5	3
32	Eco-friendly, cost-effective and fast method for the estimation of furosemide and amiloride in tablet formulation by sequential injection chromatography. <i>Journal of Analytical Chemistry</i> , 2014 , 69, 1193-1198	1.1	3
31	PPE pollution in the terrestrial and aquatic environment of the Chittagong city area associated with the COVID-19 pandemic and concomitant health implications.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	3
30	Degradation mechanism of Direct Red 23 dye by advanced oxidation processes: a comparative study. <i>Toxin Reviews</i> , 2022 , 41, 38-47	2.3	3
29	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. <i>Exposure and Health</i> ,1	8.8	3
28	An in-depth investigation in photoconductivity of Poly(vinyl alcohol)/Starch/Magnetite nanoparticle composite films for optoelectronic applications. <i>Optik</i> , 2020 , 208, 164107	2.5	3
27	Removal of arsenic(III) from aqueous media using amine functionalized-grafted styrene/maleic anhydride low-density polyethylene films. <i>Toxin Reviews</i> ,1-8	2.3	3
26	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. <i>Toxin Reviews</i> ,1-14	2.3	3
25	Environmental geochemistry of higher radioactivity in a transboundary Himalayan river sediment (Brahmaputra, Bangladesh): potential radiation exposure and health risks.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	3
24	Metal-Doped Graphitic Carbon Nitride Nanomaterials for Photocatalytic Environmental ApplicationsA Review. <i>Nanomaterials</i> , 2022 , 12, 1754	5.4	3
23	Long-term stability test of elemental content in new environmental certified reference material candidates using ICP OES and ICP-SFMS. <i>Toxin Reviews</i> , 2019 , 1-9	2.3	2
22	Potentially toxic elements in vegetable and rice species in Bangladesh and their exposure assessment. <i>Journal of Food Composition and Analysis</i> , 2022 , 106, 104350	4.1	2
21	Mercury(II) decontamination using a newly synthesized poly(acrylonitrile-acrylic acid)/ammonium molybdophosphate composite exchanger. <i>Toxin Reviews</i> , 2020 , 1-13	2.3	2
20	High surface area microporous activated carbon from Pisum sativum peels for hexavalent chromium removal from aquatic environment. <i>Toxin Reviews</i> ,1-11	2.3	2
19	SEM, SEM-EDX, μ -ATR-FTIR and XRD for urban street dust characterisation. <i>International Journal of Environmental Analytical Chemistry</i> , 2021 , 101, 988-1006	1.8	2
18	Bio-Synthesized Tin Oxide Nanoparticles: Structural, Optical, and Biological Studies. <i>Crystals</i> , 2022 , 12, 614	2.3	2

17	High-throughput sequential injection assay method for chlorpromazine. <i>Journal of Analytical Chemistry</i> , 2013 , 68, 233-240	1.1	1
16	Knowledge, attitude, and practice regarding infection control measures among dental students during COVID-19 pandemic. <i>Archives of Environmental and Occupational Health</i> , 2021 , 1-13	2	1
15	Developing an Ultra-Sensitive Catalytic Spectrophotometric Method for Vanadium Determination in Virgin and Used Lubricating Oils. <i>Petroleum Chemistry</i> , 2021 , 61, 220-230	1.1	1
14	Particle induced X-ray emission and Rutherford backscattering spectrometry for testing homogeneity of environmental certified reference material candidates. <i>International Journal of Environmental Analytical Chemistry</i> , 2021 , 101, 778-793	1.8	1
13	The presence of toxic metals in tillage soils of Chittagong hill tracts in Bangladesh and the resultant health risk. <i>International Journal of Environmental Analytical Chemistry</i> , 1-20	1.8	1
12	Physicochemical properties of water in an intensive agricultural region in Bangladesh: a preliminary study for water quality and health risk assessment. <i>International Journal of Environmental Analytical Chemistry</i> , 1-22	1.8	1
11	Sequential Injection Chromatography with Monolithic Column for Phenothiazines Assay in Human Urine and Pharmaceutical Formulations. <i>Current Pharmaceutical Analysis</i> , 2020 , 16, 967-975	0.6	0
10	Multi-media compartments for assessing ecological and health risks from concurrent exposure to multiple contaminants on Bhola Island, Bangladesh. <i>Emerging Contaminants</i> , 2022 , 8, 134-150	5.8	0
9	Amassing the Covid-19 driven PPE wastes in the dwelling environment of Chittagong Metropolis and associated implications.. <i>Chemosphere</i> , 2022 , 297, 134022	8.4	0
8	Receptor model-oriented sources and risks evaluation of metals in sediments of an industrial affected riverine system in Bangladesh. <i>Science of the Total Environment</i> , 2022 , 156029	10.2	0
7	Synthesis, Characterization, and Application of TiO ₂ /Magnetite/Chitosan Nanocomposite for Adsorptive Removal of Naphthalene from Aqueous Solutions. <i>Petroleum Chemistry</i> , 1	1.1	
6	A hybrid multi objective cellular spotted hyena optimizer for wellbore trajectory optimization.. <i>PLoS ONE</i> , 2022 , 17, e0261427	3.7	
5	The efficacy of neutron activation analysis for homogeneity testing of CRMs candidates of soil matrices. <i>International Journal of Environmental Analytical Chemistry</i> , 1-14	1.8	
4	Flow Injection Techniques for Tetracycline Quantification: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-19	5.2	
3	Fast removal of methylene blue by modified soral cement using manganese(VII) as an additive: kinetics, thermodynamics, and equilibrium studies. <i>International Journal of Environmental Analytical Chemistry</i> , 1-21	1.8	
2	Structural and In Situ X-ray Diffraction Study of Hydrogenation of CaxMg _{1-x} Ni ₂ (0 ≤ x ≤ 1). <i>Crystals</i> , 2022 , 12, 47	2.3	
1	Response of Sesame to Intercropping with Groundnut and Cowpea. <i>Communications in Soil Science and Plant Analysis</i> , 1-12	1.5	