

Zeid A Alothman

List of Publications by Year in Descending Order

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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.

579
papers

18,822
citations

66
h-index

111
g-index

602
ext. papers

22,764
ext. citations

4.6
avg, IF

7.69
L-index

#	Paper	IF	Citations
579	Metal Organic Framework-Based Dispersive Solid-Phase Microextraction of Carbaryl from Food and Water Prior to Detection by Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Separations</i> , 2022 , 9, 32	3.1	1
578	Fumarate Based Metal-Organic Framework: An Effective Catalyst for the Transesterification of Used Vegetable Oil. <i>Crystals</i> , 2022 , 12, 151	2.3	2
577	Efficient Adsorption of Carbofuran via Tailored Porous Polyacrylonitrile Film Incorporating Ti-MIL Coordination Polymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022 , 32, 1409	3.2	0
576	Coprecipitation synthesis and microstructure characterization of nanocomposite SrCr ₂ O ₄ /MXene. <i>Materials Science in Semiconductor Processing</i> , 2022 , 140, 106407	4.3	1
575	Preparation of 2D Graphene/MXene nanocomposite for the electrochemical determination of hazardous bisphenol A in plastic products. <i>Chemosphere</i> , 2022 , 287, 132106	8.4	7
574	Adsorption of cationic dyes onto carrageenan and itaconic acid-based superabsorbent hydrogel: Synthesis, characterization and isotherm analysis. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126729	12.8	25
573	Evaluation of Nano-curcumin effects against Tartrazine-induced abnormalities in liver and kidney histology and other biochemical parameters.. <i>Food Science and Nutrition</i> , 2022 , 10, 1344-1356	3.2	
572	Identification of bio-active food compounds as potential SARS-CoV-2 PLpro inhibitors-modulators via negative image-based screening and computational simulations.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105474	7	0
571	Physicochemical properties and combustion kinetics of food waste derived hydrochars. <i>Journal of King Saud University - Science</i> , 2022 , 34, 101941	3.6	0
570	Anthracene-triazole-dicarboxylate-Based Zn(II) 2D Metal Organic Frameworks for Efficient Catalytic Carbon Dioxide Fixation into Cyclic Carbonates under Solvent-Free Condition and Theoretical Study for the Reaction Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 175-186	3.9	4
569	An In-Depth Analysis of CdTe Thin-Film Deposition on Ultra-Thin Glass Substrates via Close-Spaced Sublimation (CSS). <i>Coatings</i> , 2022 , 12, 589	2.9	0
568	Thermodynamics, simulation and chiral recognition mechanism of two asymmetric center quinolone.. <i>Talanta</i> , 2022 , 246, 123540	6.2	
567	An ultramicroporous metal-organic framework with dual functionalities for high sieving separation of CO ₂ from CH ₄ and N ₂ . <i>Chemical Engineering Journal</i> , 2022 , 446, 137101	14.7	2
566	Heterogeneous Catalysis to Drive the Waste-to-Pharma Concept: From Furanics to Active Pharmaceutical Ingredients. <i>Molecules</i> , 2021 , 26,	4.8	1
565	UV-Light Mediated Biosynthesis of Silver Nanowires; Characterization, Dye Degradation Potential and Kinetic Studies. <i>Sustainability</i> , 2021 , 13, 13220	3.6	2
564	A novel Sm doped CrO sesquioxide-decorated MWCNTs heterostructured Fenton-like with sonophotocatalytic activities under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2021 , 426, 127812	12.8	0
563	Identification of potent food constituents as SARS-CoV-2 papain-like protease modulators through advanced pharmacoinformatics approaches.. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 111, 108113	2.8	3

562	Quantitative Analysis of Malachite Green in Environmental Samples Using Liquid Chromatography-Mass Spectrometry. <i>Water (Switzerland)</i> , 2021 , 13, 2864	3	0
561	Mechanistic Insights into the Voltammetric Determination of Riboflavin at Poly (Serine) Modified Graphite and Carbon Nanotube Composite Paste Electrode. <i>ChemistrySelect</i> , 2021 , 6, 10746-10757	1.8	1
560	ZnO Nano-Flowers Assembled on Carbon Fiber Textile for High-Performance Supercapacitor Electrode. <i>Coatings</i> , 2021 , 11, 1337	2.9	6
559	Metal-Organic Frameworks Characterization via Inverse Pulse Gas Chromatography. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10243	2.6	1
558	Enantiomeric resolution of quinolones on crown ether CSP: Thermodynamics, chiral discrimination mechanism and application in biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1166, 122550	3.2	6
557	In-situ incorporation of highly dispersed silver nanoparticles in nanoporous carbon nitride for the enhancement of antibacterial activities. <i>Journal of Hazardous Materials</i> , 2021 , 408, 124919	12.8	10
556	High surface area and mesoporous activated carbon from KOH-activated dragon fruit peels for methylene blue dye adsorption: Optimization and mechanism study. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 32, 281-290	3.2	47
555	Impact of CdCl ₂ Treatment in CdTe Thin Film Grown on Ultra-Thin Glass Substrate via Close Spaced Sublimation. <i>Crystals</i> , 2021 , 11, 390	2.3	5
554	Catalytic wet hydrogen peroxide oxidation of isoeugenol to vanillin using microwave-assisted synthesized metal loaded catalysts. <i>Molecular Catalysis</i> , 2021 , 506, 111537	3.3	2
553	Extraction Procedures and Analytical Methods for the Determination of Methylene Blue, Rhodamine B and Crystal Violet - An Overview. <i>Current Analytical Chemistry</i> , 2021 , 17, 708-728	1.7	4
552	Development of QuEChERS extraction method for the determination of pesticide residues in cereals using DART-ToF-MS and GC-MS techniques. Correlation and quantification study. <i>Journal of Food Composition and Analysis</i> , 2021 , 98, 103822	4.1	5
551	Mixed-mode open tubular column for peptide separations by capillary electrochromatography. <i>Journal of Separation Science</i> , 2021 , 44, 2602-2611	3.4	2
550	Robust magnetic ZnO-FeO Z-scheme heterojunctions with in-built metal-redox for high performance photo-degradation of sulfamethoxazole and electrochemical dopamine detection. <i>Environmental Research</i> , 2021 , 197, 111074	7.9	25
549	Upcycling olive oil cake through wet torrefaction to produce hydrochar for water decontamination. <i>Chemical Engineering Research and Design</i> , 2021 , 170, 13-22	5.5	9
548	Fabrication of 2D-MoSe incorporated NiO Nanorods modified electrode for selective detection of glucose in serum samples. <i>Scientific Reports</i> , 2021 , 11, 13266	4.9	7
547	Numerical desirability function for adsorption of methylene blue dye by sulfonated pomegranate peel biochar: Modeling, kinetic, isotherm, thermodynamic, and mechanism study. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 1499-1509	2.8	17
546	Utilization of AgO-AlO-ZrO decorated onto rGO as adsorbent for the removal of Congo red from aqueous solution. <i>Environmental Research</i> , 2021 , 197, 111179	7.9	14
545	Preparation and characterization of SnO ₂ -CeO ₂ nanocomposites: Sorption, modeling and kinetics for azorubine dye removal in water. <i>Journal of Molecular Liquids</i> , 2021 , 117119	6	1

544	Hydrogen Storage in Untreated/Ammonia-Treated and Transition Metal-Decorated (Pt, Pd, Ni, Rh, Ir and Ru) Activated Carbons. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6604	2.6	0
543	Capillary electrophoresis and CNTs solid-phase extraction of p-nitro-phenol in water with modeling study. <i>Separation Science and Technology</i> , 2021 , 56, 1095-1101	2.5	5
542	Conversion of agricultural waste into stable biocrude using spinel oxide catalysts. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123539	12.8	4
541	Morphologically controlled cobalt oxide nanoparticles for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 322-332	9.3	22
540	Improved cyclic retention and high-performance supercapacitive behavior of poly(diphenylamine-co-aniline)/phosphotungstic acid nano hybrid electrode. <i>International Journal of Energy Research</i> , 2021 , 45, 8180-8188	4.5	4
539	Surface-enhanced Raman scattering-active AuNR array cellulose films for multi-hazard detection. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123505	12.8	11
538	Phosphotungstic acid-Titania loaded polyaniline nanocomposite as efficient methanol electro-oxidation catalyst in fuel cells. <i>International Journal of Energy Research</i> , 2021 , 45, 8243-8254	4.5	8
537	Cobalt doping of titanium oxide nanoparticles for atenolol photodegradation in water. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 7423-7430	5.1	7
536	Aggregation, interaction and thermodynamic characteristics of cationic surfactant + moxifloxacin hydrochloride mixture in aquatic solutions of mono-/di-hydroxy compounds. <i>Molecular Physics</i> , 2021 , 119, e1849839	1.7	11
535	Charge storage in binder-free 2D-hexagonal CoMoO ₄ nanosheets as a redox active material for pseudocapacitors. <i>Ceramics International</i> , 2021 , 47, 8659-8667	5.1	46
534	An unusual mechanism of building up of a high magnetization blocking barrier in an octahedral alkoxide Dy ³⁺ -based single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1166-1174	6.8	16
533	Nanoporous carbon nitride with a high content of inbuilt N site for the CO capture. <i>Journal of Hazardous Materials</i> , 2021 , 408, 124843	12.8	6
532	Identification of selective Lyn inhibitors from the chemical databases through integrated molecular modelling approaches. <i>SAR and QSAR in Environmental Research</i> , 2021 , 32, 1-27	3.5	0
531	Experimental and theoretical study of highly porous lignocellulose assisted metal oxide photoelectrodes for dye-sensitized solar cells. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 102937	5.9	15
530	Synthesis, characterization, kinetics and modeling studies of new generation pollutant ketoprofen removal in water using copper nanoparticles. <i>Journal of Molecular Liquids</i> , 2021 , 323, 115075	6	9
529	Design of Fe ^{III} □n ^{III} binuclear complexes using compartmental ligands: synthesis, crystal structures, magnetic properties, and ab initio analysis. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10912-10926	7.1	3
528	Storage and separation of methane and carbon dioxide using platinum- decorated activated carbons treated with ammonia. <i>Materials Research Express</i> , 2021 , 8, 025503	1.7	2
527	Particle packed mixed-mode chromatographic stationary phase for the separation of peptide in liquid chromatography. <i>Journal of Separation Science</i> , 2021 , 44, 1430-1439	3.4	3

526	Fabrication of Schiff's base-functionalized porous carbon materials for the effective removal of toxic metals from wastewater. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	4
525	Core-shell MOF@COF Motif Hybridization: Selectively Functionalized Precursors for Titanium Dioxide Nanoparticle-Embedded Nitrogen-Rich Carbon Architectures with Superior Capacitive Deionization Performance. <i>Chemistry of Materials</i> , 2021 , 33, 1657-1666	9.6	41
524	Preparation of value-added metal-organic frameworks for high-performance liquid chromatography. Towards green chromatographic columns. <i>Journal of Chromatography A</i> , 2021 , 1638, 461857	4.5	6
523	Fabrication of Schiff's Base Chitosan-Glutaraldehyde/Activated Charcoal Composite for Cationic Dye Removal: Optimization Using Response Surface Methodology. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 2855-2868	4.5	8
522	Synthesis and characterization of β -cyclodextrin-graphene oxide nanocomposite: Sorption, kinetics, thermodynamics and simulation studies of tetracycline and chlortetracycline antibiotics removal in water. <i>Journal of Molecular Liquids</i> , 2021 , 116993	6	2
521	Nanopore engineered tortuosity towards thermo-mechanically enhanced low-k polymer-mesoporous organosilica composite membranes. <i>Composites Science and Technology</i> , 2021 , 211, 108854	8.6	1
520	Synthesis of value-added MIL-53(Cr) from waste polyethylene terephthalate bottles for the high-performance liquid chromatographic determination of methylxanthines in tea. <i>Microchemical Journal</i> , 2021 , 167, 106294	4.8	1
519	Construction of novel binary metal oxides: Copper oxide/nickel oxide nanoparticles regulated for selective and nanomolar level electrochemical detection of anti-psychotic drug. <i>Electrochimica Acta</i> , 2021 , 386, 138482	6.7	5
518	Statistical modeling and mechanistic pathway for methylene blue dye removal by high surface area and mesoporous grass-based activated carbon using K ₂ CO ₃ activator. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105530	6.8	46
517	Direct Z-scheme CuInS/BiMoO ₄ heterostructure for enhanced photocatalytic degradation of tetracycline under visible light. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125591	12.8	44
516	Optical Losses of Frontal Layers in Superstrate CdS/CdTe Solar Cells Using OPAL2. <i>Coatings</i> , 2021 , 11, 943	2.9	1
515	Incorporation of trimetallic nanoparticles to the SiO ₂ matrix for the removal of methylene blue dye from aqueous medium. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116274	6	13
514	Synthesis and Characterization of Sr-Doped ZnSe Nanoparticles for Catalytic and Biological Activities. <i>Water (Switzerland)</i> , 2021 , 13, 2189	3	6
513	Fabrication of Strontium Molybdate Incorporated with Graphitic Carbon Nitride Composite: High-sensitive Amperometric Sensing Platform of Food Additive in Foodstuffs. <i>Microchemical Journal</i> , 2021 , 167, 106307	4.8	6
512	Biomass-Derived Adsorbent for Dispersive Solid-Phase Extraction of Cr(III), Fe(III), Co(II) and Ni(II) from Food Samples Prior to ICP-MS Detection. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7792	2.6	0
511	Extraction and Chemical Characterization of Humic Acid from Nitric Acid Treated Lignite and Bituminous Coal Samples. <i>Sustainability</i> , 2021 , 13, 8969	3.6	7
510	The Effect of Structural Phase Transitions on Electronic and Optical Properties of CsPbI ₃ Pure Inorganic Perovskites. <i>Coatings</i> , 2021 , 11, 1173	2.9	0
509	Ultra-sonication assisted metal chalcogenide modified mesoporous Nickel-cobalt doped manganese oxide nanocomposite fabrication for sono-catalytic dye degradation and mechanism insights. <i>Journal of Alloys and Compounds</i> , 2021 , 875, 160072	5.7	3

508	Structure-based identification of galectin-1 selective modulators in dietary food polyphenols: a pharmacoinformatics approach. <i>Molecular Diversity</i> , 2021 , 1	3.1	1
507	Incorporation of Bi ₂ O ₃ Residuals with Metallic Bi as High Performance Electrocatalyst toward Hydrogen Evolution Reaction. <i>Catalysts</i> , 2021 , 11, 1099	4	6
506	Design and development of defect rich titania nanostructure for efficient electrocatalyst for hydrogen evolution reaction in an acidic electrolyte. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 2739-2750	5.5	2
505	Time-Dependent Field Effect in Three-Dimensional Lead-Halide Perovskite Semiconductor Thin Films. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10603-10609	6.1	2
504	Fly ash modified magnetic chitosan-polyvinyl alcohol blend for reactive orange 16 dye removal: Adsorption parametric optimization. <i>International Journal of Biological Macromolecules</i> , 2021 , 189, 464-478	7.9	17
503	Synergistic Effects of Curcumin and Nano-Curcumin against Toxicity, Carcinogenicity, and Oxidative Stress Induced by Tartrazine at Normal and Cancer Cell Levels. <i>Catalysts</i> , 2021 , 11, 1203	4	1
502	Nanostructured magnetic inverse spinel Ni ₂ Zn ferrite as environmental friendly visible light driven photo-degradation of levofloxacin. <i>Chemical Engineering Research and Design</i> , 2021 , 175, 85-101	5.5	13
501	Towards understanding the magnetism of Os(IV) complexes: an insight. <i>Dalton Transactions</i> , 2021 , 50, 12537-12546	4.3	0
500	Preparation, characterization, and morphology insight of ZnO nanodisk@TiO ₂ -coated SWCNT thin film composites for catalytic sensor application. <i>Surface and Interface Analysis</i> , 2021 , 53, 395-405	1.5	1
499	Mechanical Characteristics and Adhesion of Glass-Kevlar Hybrid Composites by Applying Different Ratios of Epoxy in Lamination. <i>Coatings</i> , 2021 , 11, 94	2.9	3
498	Carbon-incorporated Fe ₃ O ₄ nanoflakes: high-performance faradaic materials for hybrid capacitive deionization and supercapacitors. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3480-3488	7.8	44
497	Mechanochemical Preparation of N,S-Doped Graphene Oxide Using (NH ₄) ₂ SO ₄ for Supercapacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18810-18815	8.3	8
496	Development of Ultra-Performance Liquid Chromatography-Mass Spectrometry Method for Simultaneous Determination of Three Cationic Dyes in Environmental Samples. <i>Molecules</i> , 2020 , 25,	4.8	5
495	Deep Eutectic Solvent-Based Microextraction of Lead(II) Traces from Water and Aqueous Extracts before FAAS Measurements. <i>Molecules</i> , 2020 , 25,	4.8	7
494	Phenyl(thio)phosphon(amid)ate Benzenesulfonamides as Potent and Selective Inhibitors of Human Carbonic Anhydrases II and VII Counteract Allodynia in a Mouse Model of Oxaliplatin-Induced Neuropathy. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 5185-5200	8.3	6
493	Applications of shun shell column and nanocomposite sorbent for analysis of eleven anti-hypertensive in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1146, 122125	3.2	4
492	Metal organic frameworks enhanced dispersive solid phase microextraction of malathion before detection by UHPLC-MS/MS. <i>Journal of Separation Science</i> , 2020 , 43, 3103-3109	3.4	14
491	C ₆ H ₄ (metal)gand ring) interaction in a mesaconate bridged Cd(II) 1-D coordination polymer: structural elucidation, theoretical study, and photophysical properties. <i>Journal of Coordination Chemistry</i> , 2020 , 73, 1106-1118	1.6	

490	Novel PDPA-SiO ₂ nanosphericals network decorated graphene nanosheets composite coated FTO electrode for efficient electro-oxidation of methanol. <i>Fuel</i> , 2020 , 279, 118439	7.1	13
489	Ultra-high sensitive, selective, non-enzymatic dopamine sensor based on electrochemically active graphene decorated Polydiphenylamine-SiO ₂ nanohybrid composite. <i>Ceramics International</i> , 2020 , 46, 23276-23281	5.1	19
488	Appliance of the piperidinyl-hydrazidoureido linker to benzenesulfonamide compounds: Synthesis, in vitro and in silico evaluation of potent carbonic anhydrase II, IX and XII inhibitors. <i>Bioorganic Chemistry</i> , 2020 , 98, 103728	5.1	10
487	Bioremediation of Explosive TNT by. <i>Molecules</i> , 2020 , 25,	4.8	14
486	Thermal and light irradiation effects on the electrocatalytic performance of hemoglobin modified CoO-g-CN nanomaterials for the oxygen evolution reaction. <i>Nanoscale</i> , 2020 , 12, 8477-8484	7.7	8
485	Thiomalic acid/ferric chloride-based deep eutectic solvent for microextraction of chromium in natural water samples prior to FAAS analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-9	1.8	10
484	Development of combined-supramolecular microextraction with ultra-performance liquid chromatography-tandem mass spectrometry procedures for ultra-trace analysis of carbaryl in water, fruits and vegetables. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-11	1.8	8
483	Fast and efficient immunoaffinity column cleanup and liquid chromatography-tandem mass spectrometry method for the quantitative analysis of aflatoxins in baby food and feeds. <i>Journal of Separation Science</i> , 2020 , 43, 2079-2087	3.4	27
482	Oil industry waste based non-magnetic and magnetic hydrochar to sequester potentially toxic post-transition metal ions from water. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123247	12.8	64
481	Synthesis and characterization of a hydrogen bonded metal-organic cocrystal: Exploration of its DNA binding study. <i>Polyhedron</i> , 2020 , 180, 114454	2.7	3
480	Fabrication of renewable palm-pruning leaves based nano-composite for remediation of heavy metals pollution. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4936-4944	5.9	9
479	Sonochemical preparation of carbon nanosheets supporting cuprous oxide architecture for high-performance and non-enzymatic electrochemical sensor in biological samples. <i>Ultrasonics Sonochemistry</i> , 2020 , 66, 105072	8.9	3
478	Enantiomeric resolution of primaquine, quinacrine and tafenoquine antibacterial medicines using ristocetin macrocyclic glycopeptide antibiotics CSP. <i>Journal of Taibah University for Science</i> , 2020 , 14, 412-416	3	0
477	Development of a sensitive liquid-liquid extraction and ultra-performance liquid chromatography-tandem mass spectrometry method for the analysis of carbaryl residues in fresh vegetables sold in Riyadh. <i>Journal of King Saud University - Science</i> , 2020 , 32, 2414-2418	3.6	19
476	Screening and analysis of bioactive food compounds for modulating the CDK2 protein for cell cycle arrest: Multi-cheminformatics approaches for anticancer therapeutics. <i>Journal of Molecular Structure</i> , 2020 , 1216, 128316	3.4	14
475	Simple Approaches for the Synthesis of AgNPs in Solution and Solid Phase Using Modified Methoxypolyethylene Glycol and Evaluation of Their Antimicrobial Activity. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2353-2362	7.3	1
474	Development and Characterization of Polydiphenylamine/CuO Nanohybrid Electrode and Its Improved Electrochemical Properties. <i>Sensor Letters</i> , 2020 , 18, 5-11	0.9	7
473	Total phenolic acids and flavonoid contents determination in Yemeni honey of various floral sources: Folin-Ciocalteu and spectrophotometric approach. <i>Food Science and Technology</i> , 2020 , 40, 647-652	2	7

472	Determination of Monoaromatic Hydrocarbons in Water Samples by Nano-Liquid Chromatography using a Composite Carbon Nanotubes- Lauryl Polymethacrylate Capillary Monolithic Column. <i>Current Analytical Chemistry</i> , 2020 , 16, 223-233	1.7	2
471	Spectral Characterization, Thermal and Antimicrobial Studies of Some Divalent Metal Chelates of 7-((3-Phenyl-4,5-dihydroisoxazol-5-yl)methyl)quinolin-8-ol. <i>Asian Journal of Chemistry</i> , 2020 , 32, 2356-2364	0.4	
470	Poly(diphenylamine) and its Nanohybrids for Chemicals and Biomolecules Analysis: A Review. <i>Current Analytical Chemistry</i> , 2020 , 17,	1.7	2
469	Synthesis of chitosan composite iron nanoparticles for removal of diclofenac sodium drug residue in water. <i>International Journal of Biological Macromolecules</i> , 2020 , 159, 870-876	7.9	9
468	A comparative and simultaneous analysis of indoxyl sulfate and sodium butyrate in human plasma by SPE and HPLC methods for kidney patients. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1159, 122356	3.2	2
467	Phosphoramidates are the first phosphorus-based zinc binding motif to show inhibition of α -class carbonic anhydrases from bacteria, fungi, and protozoa. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 59-64	5.6	7
466	Drug analyses in human plasma by chromatography. <i>Handbook of Analytical Separations</i> , 2020 , 15-46	0.7	2
465	Inhibition survey with phenolic compounds against the α and β class carbonic anhydrases from the marine diatom and protozoan. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 377-382	5.6	6
464	Stereomeric resolution and modeling of DL-alanine-DL-phenyl alanine dipeptide on an AmyCoat-RP column. <i>Analytical Methods</i> , 2020 , 12, 162-168	3.2	
463	A facile approach to develop industrial waste encapsulated cryogenic alginate beads to sequester toxic bivalent heavy metals. <i>Journal of King Saud University - Science</i> , 2020 , 32, 1444-1450	3.6	8
462	Excellent adsorptive performance of a new nanocomposite for removal of toxic Pb(II) from aqueous environment: Adsorption mechanism and modeling analysis. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121896	12.8	66
461	A novel deep eutectic solvent microextraction procedure for enrichment, separation and atomic absorption spectrometric determination of palladium at ultra-trace levels in environmental samples. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 153, 107394	4.6	28
460	Synthesis, biological evaluation and molecular docking of pyrimidine and quinazoline derivatives of 1,5-benzodiazepine as potential anticancer agents. <i>Journal of King Saud University - Science</i> , 2020 , 32, 1486-1495	3.6	9
459	"A Sweet Combination": Developing Saccharin and Acesulfame K Structures for Selectively Targeting the Tumor-Associated Carbonic Anhydrases IX and XII. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 321-333	8.3	12
458	Analysis of aflatoxins in foods retailed in Saudi Arabia using immunoaffinity column cleanup and high-performance liquid chromatography-fluorescence detection. <i>Journal of King Saud University - Science</i> , 2020 , 32, 1437-1443	3.6	16
457	Sulfonamide/sulfamate switch with a series of piperazinylureido derivatives: Synthesis, kinetic and in silico evaluation as carbonic anhydrase isoforms I, II, IV, and IX inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020 , 186, 111896	6.8	11
456	High-performance SERS detection of pesticides using BiOCl-BiOBr@Pt/Au hybrid nanostructures on styrofoams as 3D functional substrate. <i>Mikrochimica Acta</i> , 2020 , 187, 580	5.8	6
455	Immobilization of (tartrate-salen)Mn(III) polymer complexes into SBA-15 for catalytic asymmetric epoxidation of alkenes. <i>Molecular Catalysis</i> , 2020 , 495, 111146	3.3	3

454	HPLC enantio-separation and chiral recognition mechanism of quinolones on vancomycin CSP. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1157, 122335	3.2	8
453	Evaluation of Groundwater and Grey Water Contamination with Heavy Metals and Their Adsorptive Remediation Using Renewable Carbon from a Mixed-Waste Source. <i>Water (Switzerland)</i> , 2020 , 12, 1802	3	3
452	Self-Assembly of Two-Dimensional Bimetallic Nickel-Cobalt Phosphate Nanoplates into One-Dimensional Porous Chainlike Architecture for Efficient Oxygen Evolution Reaction. <i>Chemistry of Materials</i> , 2020 , 32, 7005-7018	9.6	70
451	Nano-sized Cu(II) and Zn(II) complexes and their use as a precursor for synthesis of CuO and ZnO nanoparticles: A study on their sonochemical synthesis, characterization, and DNA-binding/cleavage, anticancer, and antimicrobial activities. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5827	3.1	7
450	Isorecticular Microporous Metal-Organic Frameworks for Carbon Dioxide Capture. <i>Inorganic Chemistry</i> , 2020 , 59, 17143-17148	5.1	11
449	Inclusion of a 5-fluorouracil moiety in nitrogenous bases derivatives as human carbonic anhydrase IX and XII inhibitors produced a targeted action against MDA-MB-231 and T47D breast cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2020 , 190, 112112	6.8	23
448	Oxygenated functionalities enriched MWCNTs decorated with silica coated spinel ferrite Fe_3O_4 nanocomposite for potentially rapid and efficient de-colorization of aquatic environment. <i>Journal of Molecular Liquids</i> , 2020 , 317, 113916	6	30
447	Copper carboxymethyl cellulose nanoparticles for efficient removal of tetracycline antibiotics in water. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 42960-42968	5.1	2
446	Statistical optimization and modeling for color removal and COD reduction of reactive blue 19 dye by mesoporous chitosan-epichlorohydrin/kaolin clay composite. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 4218-4230	7.9	65
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34	Chiral analyses at nano-scale. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010 , 13, 562-7	1.3	5
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15	Process Optimization and Adsorptive Mechanism for Reactive Blue 19 Dye by Magnetic Crosslinked Chitosan/MgO/Fe ₃ O ₄ Biocomposite. <i>Journal of Polymers and the Environment</i> ,1	4.5	3
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12	Development of activated carbon from Phoenix dactylifera fruit pits: Process optimization, characterization, and methylene blue adsorption62, 273-281		9
11	Dodecyl sulfate chain anchored bio-char to sequester triaryl methane dyes: equilibrium, kinetics, and adsorption mechanism67, 357-370		9
10	Quantitative analysis of some inorganic anions (nitrate and nitrite) in metropolitan and bottled water samples using ultra-performance liquid chromatography/electrospray ionization mass spectrometry103, 232-239		2
9	Nitrogen containing polymers-based triazine: synthesis, characterization and its applications for scavenging of copper(II)114, 242-250		2
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