

Zeid A Alothman

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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	A Review: Fundamental Aspects of Silicate Mesoporous Materials. <i>Materials</i> , 2012 , 5, 2874-2902	3.5	898
578	Hexavalent chromium removal from aqueous medium by activated carbon prepared from peanut shell: Adsorption kinetics, equilibrium and thermodynamic studies. <i>Chemical Engineering Journal</i> , 2012 , 184, 238-247	14.7	488
577	Analytical techniques in pharmaceutical analysis: A review. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S1409-S1421	5.1	327
576	Novel Metal-Organic Framework (MOF) Based Composite Material for the Sequestration of U(VI) and Th(IV) Metal Ions from Aqueous Environment. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36026-36037	9.5	304
575	Novel development of nanoparticles to bimetallic nanoparticles and their composites: A review. <i>Journal of King Saud University - Science</i> , 2019 , 31, 257-269	3.6	275
574	Synthesis and characterization of a new starch/SnO ₂ nanocomposite for efficient adsorption of toxic Hg ²⁺ metal ion. <i>Chemical Engineering Journal</i> , 2016 , 300, 306-316	14.7	274
573	Effect of ionic liquid on activity, stability, and structure of enzymes: a review. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 555-60	7.9	244
572	Photodegradation of toxic dye using Gum Arabic-crosslinked-poly(acrylamide)/Ni(OH) ₂ /FeOOH nanocomposites hydrogel. <i>Journal of Cleaner Production</i> , 2019 , 241, 118263	10.3	223
571	Simultaneous electrochemical determination of dopamine and acetaminophen using multiwall carbon nanotubes modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2010 , 146, 314-320	8.5	220
570	Design, synthesis and applications of core-shell, hollow core, and nanorattle multifunctional nanostructures. <i>Nanoscale</i> , 2016 , 8, 2510-31	7.7	216
569	Adsorption kinetics, isotherm and reusability studies for the removal of cationic dye from aqueous medium using arginine modified activated carbon. <i>Journal of Molecular Liquids</i> , 2019 , 293, 111442	6	214
568	Schiff based ligand containing nano-composite adsorbent for optical copper(II) ions removal from aqueous solutions. <i>Chemical Engineering Journal</i> , 2015 , 279, 639-647	14.7	203
567	Sol-gel synthesis of thorn-like ZnO nanoparticles endorsing mechanical stirring effect and their antimicrobial activities: Potential role as nano-antibiotics. <i>Scientific Reports</i> , 2016 , 6, 27689	4.9	190
566	Efficient removal of toxic metal ions from wastewater using a recyclable nanocomposite: A study of adsorption parameters and interaction mechanism. <i>Journal of Cleaner Production</i> , 2017 , 156, 426-436	10.3	187
565	Adsorptive performance of MOF nanocomposite for methylene blue and malachite green dyes: Kinetics, isotherm and mechanism. <i>Journal of Environmental Management</i> , 2018 , 223, 29-36	7.9	186
564	Modeling of fenuron pesticide adsorption on CNTs for mechanistic insight and removal in water. <i>Environmental Research</i> , 2019 , 170, 389-397	7.9	173
563	Synthesis of composite iron nano adsorbent and removal of ibuprofen drug residue from water. <i>Journal of Molecular Liquids</i> , 2016 , 219, 858-864	6	172

562	Adsorption kinetics, isotherms, and thermodynamic studies for Hg ²⁺ adsorption from aqueous medium using alizarin red-S-loaded amberlite IRA-400 resin. <i>Desalination and Water Treatment</i> , 2016 , 57, 18551-18559		168
561	Microwave Synthesis of Bimetallic Nanoalloys and CO Oxidation on Ceria-Supported Nanoalloys. <i>Chemistry of Materials</i> , 2009 , 21, 2825-2834	9.6	162
560	Artificial neural network modelling of amido black dye sorption on iron composite nano material: Kinetics and thermodynamics studies. <i>Journal of Molecular Liquids</i> , 2018 , 250, 1-8	6	162
559	Adsorptive Removal of Toxic Dye Using Fe ₃ O ₄ /SC Nanocomposite: Equilibrium, Kinetic, and Thermodynamic Studies. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3806-3813	2.8	161
558	Removal of arsenic species from water by batch and column operations on bagasse fly ash. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3218-29	5.1	158
557	Green Synthesis of Iron Nano-Impregnated Adsorbent for Fast Removal of Fluoride from Water. <i>Journal of Molecular Liquids</i> , 2015 , 211, 457-465	6	157
556	Uptake of propranolol on ionic liquid iron nanocomposite adsorbent: Kinetic, thermodynamics and mechanism of adsorption. <i>Journal of Molecular Liquids</i> , 2017 , 236, 205-213	6	156
555	Molecular uptake of congo red dye from water on iron composite nano particles. <i>Journal of Molecular Liquids</i> , 2016 , 224, 171-176	6	155
554	Determination of capsaicin and dihydrocapsaicin in Capsicum fruit samples using high performance liquid chromatography. <i>Molecules</i> , 2011 , 16, 8919-29	4.8	153
553	Green synthesis of functionalized iron nano particles and molecular liquid phase adsorption of ametryn from water. <i>Journal of Molecular Liquids</i> , 2016 , 221, 1168-1174	6	150
552	Adsorption of rose Bengal dye from aqueous solution by amberlite Ira-938 resin: kinetics, isotherms, and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016 , 57, 13527-13533		148
551	Separation of toxic Pb ²⁺ metal from aqueous solution using strongly acidic cation-exchange resin: analytical applications for the removal of metal ions from pharmaceutical formulation. <i>Desalination and Water Treatment</i> , 2015 , 53, 2158-2166		140
550	Fabrication of MWCNTs/ThO ₂ nanocomposite and its adsorption behavior for the removal of Pb(II) metal from aqueous medium. <i>Desalination and Water Treatment</i> , 2016 , 57, 21863-21869		139
549	Supra molecular mechanism of the removal of 17- β -Estradiol endocrine disturbing pollutant from water on functionalized iron nano particles. <i>Journal of Molecular Liquids</i> , 2017 , 241, 123-129	6	134
548	Uptake of pantoprazole drug residue from water using novel synthesized composite iron nano adsorbent. <i>Journal of Molecular Liquids</i> , 2016 , 218, 465-472	6	129
547	Recent advances in syntheses, properties and applications of TiO nanostructures.. <i>RSC Advances</i> , 2018 , 8, 30125-30147	3.7	124
546	Solid phase extraction of Cd(II), Pb(II), Zn(II) and Ni(II) from food samples using multiwalled carbon nanotubes impregnated with 4-(2-thiazolylazo)resorcinol. <i>Mikrochimica Acta</i> , 2012 , 177, 397-403	5.8	124
545	Heterocyclic Scaffolds: Centrality in Anticancer Drug Development. <i>Current Drug Targets</i> , 2015 , 16, 711-34		120

544	Removal of secbumeton herbicide from water on composite nanoadsorbent. <i>Desalination and Water Treatment</i> , 2016 , 57, 10409-10421		116
543	Facile and eco-friendly synthesis of functionalized iron nanoparticles for cyanazine removal in water. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 171, 606-613	6	115
542	Synthesis, characterization of curcumin based ecofriendly antimicrobial bio-adsorbent for the removal of phenol from aqueous medium. <i>Chemical Engineering Journal</i> , 2014 , 254, 181-189	14.7	108
541	Synthesis and application of Fe ₃ O ₄ @SiO ₂ @TiO ₂ for photocatalytic decomposition of organic matrix simultaneously with magnetic solid phase extraction of heavy metals prior to ICP-MS analysis. <i>Talanta</i> , 2016 , 154, 539-47	6.2	103
540	Kinetics, Thermodynamics, and Modeling of Amido Black Dye Photodegradation in Water Using Co/TiO Nanoparticles. <i>Photochemistry and Photobiology</i> , 2018 , 94, 935-941	3.6	101
539	Kinetic, equilibrium isotherm and thermodynamic studies of Cr(VI) adsorption onto low-cost adsorbent developed from peanut shell activated with phosphoric acid. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3351-65	5.1	99
538	Synthesis and characterization of Fe ₃ O ₄ @TSC nanocomposite: highly efficient removal of toxic metal ions from aqueous medium. <i>RSC Advances</i> , 2016 , 6, 22679-22689	3.7	91
537	Metal-organic frameworks in chromatography. <i>Journal of Chromatography A</i> , 2014 , 1348, 1-16	4.5	87
536	Gold-Loaded Nanoporous Ferric Oxide Nanocubes with Peroxidase-Mimicking Activity for Electrocatalytic and Colorimetric Detection of Autoantibody. <i>Analytical Chemistry</i> , 2017 , 89, 11005-11013	7.8	87
535	Preparation of a carboxymethylcellulose-iron composite for uptake of atorvastatin in water. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 244-253	7.9	86
534	Advances in chiral separations of small peptides by capillary electrophoresis and chromatography. <i>Journal of Separation Science</i> , 2014 , 37, 2447-66	3.4	85
533	Advances in enantiomeric resolution on monolithic chiral stationary phases in liquid chromatography and electrochromatography. <i>Journal of Separation Science</i> , 2014 , 37, 1033-57	3.4	84
532	Green and eco-friendly nanocomposite for the removal of toxic Hg(II) metal ion from aqueous environment: Adsorption kinetics & isotherm modelling. <i>Journal of Molecular Liquids</i> , 2019 , 279, 1-8	6	82
531	A metalorganic framework with suitable pore size and dual functionalities for highly efficient post-combustion CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3128-3134	13	82
530	Simple and facile synthesis of amino functionalized hollow coremesoporous shell silica spheres using anionic surfactant for Pb(II), Cd(II), and Zn(II) adsorption and recovery. <i>Chemical Engineering Journal</i> , 2014 , 251, 441-451	14.7	82
529	Development of citric anhydride anchored mesoporous MOF through post synthesis modification to sequester potentially toxic lead (II) from water. <i>Microporous and Mesoporous Materials</i> , 2018 , 261, 198-206	5.3	82
528	Cellulose Framework Directed Construction of Hierarchically Porous Carbons Offering High-Performance Capacitive Deionization of Brackish Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1885-1893	8.3	80
527	Druglay nanohybrids as sustained delivery systems. <i>Applied Clay Science</i> , 2016 , 130, 20-32	5.2	79

526	Improvement of mercuric chloride-induced testis injuries and sperm quality deteriorations by <i>Spirulina platensis</i> in rats. <i>PLoS ONE</i> , 2013 , 8, e59177	3.7	79
525	Growth and characterization of RF-sputtered ZnS thin film deposited at various substrate temperatures for photovoltaic application. <i>Applied Surface Science</i> , 2015 , 334, 138-144	6.7	74
524	Kinetics, isotherm and thermodynamic investigations for the adsorption of Co(II) ion onto crystal violet modified amberlite IR-120 resin. <i>Ionics</i> , 2015 , 21, 1453-1459	2.7	73
523	Trimetallic PtPdRu Dendritic Nanocages with Three-Dimensional Electrocatalytic Surfaces. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 19947-19953	3.8	71
522	Direct Production of Furfural in One-pot Fashion from Raw Biomass Using Brønsted Acidic Ionic Liquids. <i>Scientific Reports</i> , 2017 , 7, 13508	4.9	70
521	Self-Assembly of Two-Dimensional Bimetallic NickelCobalt 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
520	Use of carbon nanotubes (CNTs) with polymers in solar cells. <i>Molecules</i> , 2014 , 19, 17329-44	4.8	69
519	Adsorption of cadmium ion using a new composite cation-exchanger polyaniline Sn(IV) silicate: kinetics, thermodynamic and isotherm studies. <i>International Journal of Environmental Science and Technology</i> , 2013 , 10, 567-578	3.3	69
518	Heteroatom-doped magnetic hydrochar to remove post-transition and transition metals from water: Synthesis, characterization, and adsorption studies. <i>Chemosphere</i> , 2019 , 218, 1089-1099	8.4	69
517	Lignocellulosic biomass-derived, graphene sheet-like porous activated carbon for electrochemical supercapacitor and catechin sensing. <i>RSC Advances</i> , 2017 , 7, 45668-45675	3.7	68
516	High performance removal and simulation studies of diuron pesticide in water on MWCNTs. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111039	6	68
515	Combined treatments for producing 5-hydroxymethylfurfural (HMF) from lignocellulosic biomass. <i>Catalysis Today</i> , 2016 , 278, 344-349	5.3	68
514	Unary and binary adsorption studies of lead and malachite green onto a nanomagnetic copper ferrite/drumstick pod biomass composite. <i>Journal of Hazardous Materials</i> , 2019 , 365, 759-770	12.8	67
513	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
512	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
511	Biochemical characterization of recombinant Ecarbonic anhydrase (PgiCAB) identified in the genome of the oral pathogenic bacterium <i>Porphyromonas gingivalis</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 366-70	5.6	64
510	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
509	Recent trends in ultra-fast HPLC: new generation superficially porous silica columns. <i>Journal of Separation Science</i> , 2012 , 35, 3235-49	3.4	63

508	Organic/inorganic type composite cation exchanger poly-o-toluidine Zr(IV) tungstate: Preparation, physicochemical characterization and its analytical application in separation of heavy metals. <i>Chemical Engineering Journal</i> , 2011 , 172, 369-375	14.7	63
507	Synthesis and carbonic anhydrase inhibition of a series of SLC-0111 analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 2569-2576	3.4	62
506	Grafted ionic liquid: Catalyst for solventless cycloaddition of carbon dioxide and propylene oxide. <i>Catalysis Communications</i> , 2009 , 11, 43-46	3.2	62
505	Combined sorption/photocatalytic remediation of dyes by polyaniline Zr(IV) selenotungstophosphate nanocomposite. <i>Toxicological and Environmental Chemistry</i> , 2015 , 97, 526-537	1.4	61
504	Synthesis and characterization of highly selective and sensitive Sn/SnO ₂ /N-doped carbon nanocomposite (Sn/SnO ₂ @NGC) for sensing toxic NH ₃ gas. <i>Chemical Engineering Journal</i> , 2018 , 345, 58-66	14.7	60
503	Gold-loaded nanoporous ferric oxide nanocubes for electrocatalytic detection of microRNA at attomolar level. <i>Biosensors and Bioelectronics</i> , 2018 , 101, 275-281	11.8	60
502	Chiral Separation of β -Adrenergic Blockers in Human Plasma by SPE-HPLC. <i>Chromatographia</i> , 2011 , 73, 251-256	2.1	60
501	Method for the fast determination of bromate, nitrate and nitrite by ultra performance liquid chromatography-mass spectrometry and their monitoring in Saudi Arabian drinking water with chemometric data treatment. <i>Talanta</i> , 2016 , 152, 513-20	6.2	58
500	Activated carbon from waste as an efficient adsorbent for malathion for detection and removal purposes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 32, 336-344	6.3	57
499	Cetyltrimethylammonium bromide intercalated and branched polyhydroxystyrene functionalized montmorillonite clay to sequester cationic dyes. <i>Journal of Environmental Management</i> , 2018 , 219, 285-293	7.9	57
498	Application of carbon nanotubes in extraction and chromatographic analysis: A review. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 633-651	5.9	57
497	Polyaniline supported nanocomposite cation exchanger: Synthesis, characterization and applications for the efficient removal of Pb ²⁺ ion from aqueous medium. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 1112-1118	6.3	56
496	Solid phase extraction of metal ions in environmental samples on 1-(2-pyridylazo)-2-naphthol impregnated activated carbon cloth. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 112, 74-9	7	56
495	Synthesis, characterization of PMDA/TMSPEDA hybrid nano-composite and its applications as an adsorbent for the removal of bivalent heavy metals ions. <i>Chemical Engineering Journal</i> , 2015 , 270, 9-21	14.7	56
494	Application of solid phase extraction on multiwalled carbon nanotubes of some heavy metal ions to analysis of skin whitening cosmetics using ICP-AES. <i>International Journal of Environmental Research and Public Health</i> , 2013 , 10, 361-74	4.6	55
493	Heavy toxic metal ion exchange kinetics: Validation of ion exchange process on composite cation exchanger nylon 6,6 Zr(IV) phosphate. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 956-960	6.3	54
492	Activated Porous Carbon Spheres with Customized Mesopores through Assembly of Diblock Copolymers for Electrochemical Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18986-18993	9.5	53
491	Enhanced Charge Collection in MOF-525-PEDOT Nanotube Composites Enable Highly Sensitive Biosensing. <i>Advanced Science</i> , 2017 , 4, 1700261	13.6	52

490	Single-drop microextraction as a powerful pretreatment tool for capillary electrophoresis: A review. <i>Analytica Chimica Acta</i> , 2012 , 739, 14-24	6.6	52
489	Carbon-coated Fe ₃ O ₄ nanoparticles with surface amido groups for magnetic solid phase extraction of Cr(III), Co(II), Cd(II), Zn(II) and Pb(II) prior to their quantitation by ICP-MS. <i>Mikrochimica Acta</i> , 2017 , 184, 2645-2651	5.8	51
488	Sulfonamide inhibition studies of the β -carbonic anhydrase from the pathogenic bacterium <i>Vibrio cholerae</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 1115-20	3.4	51
487	Low cost biosorbents from fungi for heavy metals removal from wastewater. <i>Separation Science and Technology</i> , 2020 , 55, 1766-1775	2.5	51
486	Characterization of reactive amphiphilic montmorillonite nanogels and its application for removal of toxic cationic dye and heavy metals water pollutants. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 374-384	6.3	50
485	Fabrication and characterization of a nanocomposite hydrogel for combined photocatalytic degradation of a mixture of malachite green and fast green dye. <i>Nanotechnology for Environmental Engineering</i> , 2017 , 2, 1	5.1	49
484	Adsorption thermodynamics of trichloroacetic acid herbicide on polypyrrole Th(IV) phosphate composite cation-exchanger. <i>Chemical Engineering Journal</i> , 2011 , 169, 38-42	14.7	49
483	Metal ion adsorption using polyamine-functionalized mesoporous materials prepared from bromopropyl-functionalized mesoporous silica. <i>Journal of Hazardous Materials</i> , 2010 , 182, 581-90	12.8	49
482	Valorization of two waste streams into activated carbon and studying its adsorption kinetics, equilibrium isotherms and thermodynamics for methylene blue removal. <i>Arabian Journal of Chemistry</i> , 2014 , 7, 1148-1158	5.9	48
481	Removal of Pb(II) from aqueous solution using ethylene diamine tetra acetic acid-Zr(IV) iodate composite cation exchanger: Kinetics, isotherms and thermodynamic studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 25, 35-41	6.3	47
480	Activated carbon cloth filled pipette tip for solid phase extraction of nickel(II), lead(II), cadmium(II), copper(II) and cobalt(II) as 1,3,4-thiadiazole-2,5-dithiol chelates for ultra-trace detection by FAAS. <i>International Journal of Environmental Analytical Chemistry</i> , 2018 , 98, 171-181	1.8	47
479	Sulfonamide inhibition studies of the β -carbonic anhydrase from the diatom <i>Thalassiosira weissflogii</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 275-9	2.9	47
478	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
477	Sulfonamide inhibition studies of the β -carbonic anhydrase from the oral pathogen <i>Porphyromonas gingivalis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 240-4	2.9	46
476	Effect of multi-walled carbon nanotubes incorporation into benzyl methacrylate monolithic columns in capillary liquid chromatography. <i>Analyst, The</i> , 2012 , 137, 4309-17	5	46
475	Selective preconcentration of amino acids and peptides using single drop microextraction in-line coupled with capillary electrophoresis. <i>Journal of Chromatography A</i> , 2010 , 1217, 3357-61	4.5	46
474	Facile synthesis and characterization of multi walled carbon nanotubes for fast and effective removal of 4-tert-octylphenol endocrine disruptor in water. <i>Journal of Molecular Liquids</i> , 2019 , 275, 41-48	6	46
473	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

472	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
471	Anion inhibition profiles of β -, δ and ϵ carbonic anhydrases from the pathogenic bacterium <i>Vibrio cholerae</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 3413-7	3.4	45
470	Anion inhibition studies of two new ϵ carbonic anhydrases from the bacterial pathogen <i>Legionella pneumophila</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 1127-32	2.9	44
469	Simultaneous determination of monosaccharides and oligosaccharides in dates using liquid chromatography-electrospray ionization mass spectrometry. <i>Food Chemistry</i> , 2015 , 176, 487-92	8.5	44
468	Highly enantioselective Friedel-Crafts alkylation of indoles with β , γ unsaturated ketones with simple Cu(II) α xazoline γ imidazoline catalysts. <i>Tetrahedron</i> , 2013 , 69, 5185-5192	2.4	44
467	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
466	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
465	Synthesis of nanosized composite powders via a wet chemical process for sintering high performance W-Y 2 O 3 alloy. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017 , 69, 266-272	4.1	43
464	Hepatoprotective effects of vitamin E/selenium against malathion-induced injuries on the antioxidant status and apoptosis-related gene expression in rats. <i>Journal of Toxicological Sciences</i> , 2011 , 36, 285-96	1.9	43
463	Enantiomeric resolution of multiple chiral centres racemates by capillary electrophoresis. <i>Biomedical Chromatography</i> , 2016 , 30, 683-94	1.7	43
462	A Three-Dimensionally Structured Electrocatalyst: Cobalt-Embedded Nitrogen-Doped Carbon Nanotubes/Nitrogen-Doped Reduced Graphene Oxide Hybrid for Efficient Oxygen Reduction. <i>Chemistry - A European Journal</i> , 2017 , 23, 637-643	4.8	42
461	Removal of BrO ₃ ⁻ from drinking water samples using newly developed agricultural waste-based activated carbon and its determination by ultra-performance liquid chromatography-mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15853-65	5.1	42
460	Comparison of the sulfonamide inhibition profiles of the β -, δ and ϵ carbonic anhydrases from the pathogenic bacterium <i>Vibrio cholerae</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 1941-6	2.9	42
459	Sol-gel assisted synthesis of porous nano-crystalline CoFe ₂ O ₄ composite and its application in the removal of brilliant blue-R from aqueous phase: An ecofriendly and economical approach. <i>Chemical Engineering Journal</i> , 2015 , 279, 416-424	14.7	42
458	Removal of malathion from aqueous solution using De-Acidite FF-IP resin and determination by UPLC-MS/MS: equilibrium, kinetics and thermodynamics studies. <i>Talanta</i> , 2013 , 115, 15-23	6.2	42
457	Determination of ion-exchange kinetic parameters for the poly-o-methoxyaniline Zr(IV) molybdate composite cation-exchanger. <i>Chemical Engineering Journal</i> , 2011 , 166, 639-645	14.7	42
456	Synthesis, characterization and application of curcumin formaldehyde resin for the removal of Cd ²⁺ from wastewater: Kinetics, isotherms and thermodynamic studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 29, 78-86	6.3	41
455	Membrane filtration of Sudan orange G on a cellulose acetate membrane filter for separation-preconcentration and spectrophotometric determination in water, chili powder, chili sauce and tomato sauce samples. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2709-13	4.7	41

454	Fast chromatographic determination of caffeine in food using a capillary hexyl methacrylate monolithic column. <i>Food Chemistry</i> , 2012 , 132, 2217-2223	8.5	41
453	Synthesis, characterisation, biological evaluation and studies of sulphonamide Schiff bases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 950-962	5.6	41
452	CoreShell 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
451	Mesoporous Alumina as an Effective Adsorbent for Molybdenum (Mo) toward Instant Production of Radioisotope for Medical Use. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 1174-1179	5.1	40
450	Bromate removal from water samples using strongly basic anion exchange resin Amberlite IRA-400: kinetics, isotherms and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2016 , 57, 5781-5788		40
449	Facile Synthesis of Porous Dendritic Bimetallic Platinum-Nickel Nanocrystals as Efficient Catalysts for the Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1388-93	4.5	40
448	Assessment of toxic metals in wheat crops grown on selected soils, irrigated by different water sources. <i>Arabian Journal of Chemistry</i> , 2016 , 9, S1555-S1562	5.9	39
447	Enantio-separation of drugs with multiple chiral centers by chromatography and capillary electrophoresis. <i>Biomedical Chromatography</i> , 2014 , 28, 1514-24	1.7	39
446	Cloning, characterization and anion inhibition studies of a α -carbonic anhydrase from the Antarctic bacterium <i>Colwellia psychrerythraea</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 835-40	3.4	38
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35	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
34	Optical Losses of Frontal Layers in Superstrate CdS/CdTe Solar Cells Using OPAL2. <i>Coatings</i> , 2021 , 11, 943	2.9	1
33	Structure-based identification of galectin-1 selective modulators in dietary food polyphenols: a pharmacoinformatics approach. <i>Molecular Diversity</i> , 2021 , 1	3.1	1
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31	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
30	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
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