

I Ali

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.

584
papers

30,036
citations

86
h-index

160
g-index

617
ext. papers

34,430
ext. citations

4.3
avg, IF

8.03
L-index

#	Paper	IF	Citations
584	Novel Applications of Microextraction Techniques Focused on Biological and Forensic Analyses. <i>Separations</i> , 2022 , 9, 18	3.1	4
583	High-efficient novel super-wetting HKUST-1 membrane for oil-water separation: Development, characterization and performance. <i>Journal of Cleaner Production</i> , 2022 , 333, 130109	10.3	3
582	Magnetically active nanocomposite aerogels: preparation, characterization and application for water treatment. <i>Journal of Porous Materials</i> , 2022 , 29, 545	2.4	0
581	Appraisal of nanotechnology for sustainable environmental remediation 2022 , 3-31		
580	Iron-Deficiency Anemia in Women of Reproductive Age in Urban Areas of Quetta District, Pakistan.. <i>BioMed Research International</i> , 2022 , 2022, 6677249	3	
579	An overview of the methods for analyzing the chemical forms of metals in plants.. <i>International Journal of Phytoremediation</i> , 2022 , 1-13	3.9	1
578	Preparation of super-hydrophobic/super-oleophilic quartz sand filter for the application in oil-water separation. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102561	6.7	4
577	Role of the radiations in water splitting for hydrogen generation. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101926	4.7	6
576	Application of microbial immobilization technology for remediation of Cr(VI) contamination: A review. <i>Chemosphere</i> , 2022 , 286, 131721	8.4	7
575	Advances in graphene-based materials for the treatment of water. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	1
574	Remediation of Chromium (VI) from Groundwater by Metal-Based Biochar under Anaerobic Conditions. <i>Water (Switzerland)</i> , 2022 , 14, 894	3	0
573	Chiral HPLC separation and simulation studies of two chiral centered bis-imino flavans (Schiff base). <i>Microchemical Journal</i> , 2022 , 178, 107429	4.8	0
572	Efficient removal of ibuprofen and ofloxacin pharmaceuticals using biofilm reactors for hospital wastewater treatment.. <i>Chemosphere</i> , 2022 , 134243	8.4	3
571	Thermochemical Conversion of Biomass for Syngas Production: Current Status and Future Trends. <i>Sustainability</i> , 2022 , 14, 2596	3.6	2
570	Isolation, Culture, and Maintenance of Extremophilic Fungi 2022 , 3-32		
569	Daily Dose Standardization Based on Essential and Nonessential Trace Element Presence in Ahrendt Bark, Leaf, and Root.. <i>BioMed Research International</i> , 2022 , 2022, 6811613	3	1
568	Thermodynamics, simulation and chiral recognition mechanism of two asymmetric center quinolone.. <i>Talanta</i> , 2022 , 246, 123540	6.2	

567	Functional Potential and Chemical Profile Analysis of Propolis Oil Extracted from Propolis of Balochistan. <i>Journal of Food Quality</i> , 2022 , 2022, 1-10	2.7	2
566	Titanium-based photocatalytic coatings for bacterial disinfection: The shift from suspended powders to catalytic interfaces. <i>Surfaces and Interfaces</i> , 2022 , 102078	4.1	0
565	Role of Ionic Liquids in Capillary Electrophoresis. <i>Analytical Journal of Analytical Chemistry and Chemical Analysis</i> , 2022 , 3, 236-250	1.4	2
564	Enhanced anticancer activities of curcumin-loaded green gum acacia-based silver nanoparticles against melanoma and breast cancer cells. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 2679	3.3	2
563	Organic Waste Utilization for Sustainable Ethanol Production 2021 , 39-63		
562	Experimental and simulation studies to determine the mechanisms of catalyst formation for the targeted synthesis of carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2021 , 23, 1	2.3	
561	A critical review on the phytoremediation of heavy metals from environment: Performance and challenges. <i>Chemosphere</i> , 2021 , 291, 132979	8.4	14
560	Updates on Evaporation and Condensation Methods for the Performance Improvement of Solar Stills. <i>Energies</i> , 2021 , 14, 7050	3.1	2
559	Synthesis of Rice Husk-Derived Magnetic Biochar Through Liquefaction to Adsorb Anionic and Cationic Dyes from Aqueous Solutions. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 233-246	2.5	6
558	Optimization of photocatalytic performance of a gC ₃ N ₄ /TiO ₂ nanocomposite for phenol degradation in visible light. <i>Materials Chemistry and Physics</i> , 2021 , 261, 124246	4.4	6
557	A new approach to the economic synthesis of multi-walled carbon nanotubes using a Ni/MgO catalyst. <i>Materials Chemistry and Physics</i> , 2021 , 261, 124234	4.4	3
556	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
555	Microwave versus conventional synthesis, anticancer, DNA binding and docking studies of some 1,2,3-triazoles carrying benzothiazole. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 102997	5.9	2
554	Metformin residue analysis in water by MWCNTs-based solid-phase micromembrane tip extraction and capillary electrophoresis methods. <i>International Journal of Environmental Science and Technology</i> , 2021 , 18, 3419	3.3	2
553	Citric acid modified waste cigarette filters for adsorptive removal of methylene blue dye from aqueous solution. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50655	2.9	3
552	Recent Trends in Chiral Separations by 2D-HPLC. <i>Chromatographia</i> , 2021 , 84, 535-548	2.1	4
551	Experiments on Energy-Efficient Evaporative Cooling Systems for Poultry Farm Application in Multan (Pakistan). <i>Sustainability</i> , 2021 , 13, 2836	3.6	9
550	Surface decoration and characterization of solar driven biochar for the removal of toxic aromatic pollutant. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2310	3.5	3

549	Fast removal of samarium ions in water on highly efficient nanocomposite based graphene oxide modified with polyhydroquinone: Isotherms, kinetics, thermodynamics and desorption. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115584	6	28
548	Appraisal of a novel extraction technique for estimation of cadmium content in pea seedlings based on human health risk assessment. <i>International Journal of Phytoremediation</i> , 2021 , 1-8	3.9	
547	Application of Text Mining in Risk Assessment of Chemical Mixtures: A Case Study of Polycyclic Aromatic Hydrocarbons (PAHs). <i>Environmental Health Perspectives</i> , 2021 , 129, 67008	8.4	2
546	Molecular insights on the influence of temperature and metal ions on the hydration of kaolinite (001) surface. <i>Molecular Simulation</i> , 2021 , 47, 1029-1036	2	2
545	A comparison of chiral resolution of antifungal agents on different polysaccharide chiral columns under various mobile phase modes: Application in the biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1175, 122738	3.2	0
544	Preparation and characterization of nano-structured modified montmorillonite for dioxidine antibacterial drug removal in water. <i>Journal of Molecular Liquids</i> , 2021 , 331, 115770	6	26
543	Gamma rays mediated water splitting on nano-ZrO ₂ surface: Kinetics of molecular hydrogen formation. <i>Radiation Physics and Chemistry</i> , 2021 , 183, 109431	2.5	7
542	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
541	Facile synthesis and characterization of advanced cobalt materials for degradative and adsorptive removal of carmoisine in water. <i>International Journal of Environmental Science and Technology</i> , 2021 , 18, 3221-3236	3.3	0
540	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
539	Utilization of electrochemical treatment and surface reconstruction to achieve long lasting catalyst for NO removal. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123440	12.8	12
538	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
537	Efficient enzymatic saccharification of alkaline and ionic liquid-pretreated bamboo by highly active extremozymes produced by the co-culture of two halophilic fungi. <i>Bioresource Technology</i> , 2021 , 319, 124115	11	10
536	Design, click conventional and microwave syntheses, DNA binding, docking and anticancer studies of benzotriazole-1,2,3-triazole molecular hybrids with different pharmacophores. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129192	3.4	15
535	Optimization of biosurfactant production from <i>Pseudomonas</i> sp. CQ2 and its application for remediation of heavy metal contaminated soil. <i>Chemosphere</i> , 2021 , 265, 129090	8.4	24
534	Noble metal-free NiCo ₂ S ₄ /CN sheet-on-sheet heterostructure for highly efficient visible-light-driven photocatalytic hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 157284	5.7	12
533	Towards a systematic use of effect biomarkers in population and occupational biomonitoring. <i>Environment International</i> , 2021 , 146, 106257	12.9	17
532	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

531	Super-fast removal of cobalt metal ions in water using inexpensive mesoporous carbon obtained from industrial waste material. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101257	7	4
530	Application of mixed bacteria-loaded biochar to enhance uranium and cadmium immobilization in a co-contaminated soil. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123823	12.8	31
529	Sources, classifications, constituents, and available treatment technologies for various types of wastewater: An overview 2021 , 11-46		2
528	Bionanocomposites for wastewater treatment 2021 , 249-272		1
527	Enantiomer-Selective High- and Ultra- High-Performance Liquid Chromatography 2021 , 29-62		
526	An Insight into Unani Hypoglycemic Drugs and Their Mechanism of Action. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2021 , 24, 165-176	1.3	0
525	Design, synthesis, DNA binding, modeling, anticancer studies and DFT calculations of Schiff bases tethering benzothiazole-1,2,3-triazole conjugates. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129148	3.4	26
524	Antioxidant Activity Evaluation of FlexirubinType Pigment from CECT 8497 and Related Docking Study. <i>Molecules</i> , 2021 , 26,	4.8	2
523	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
522	Determination of enantio-separation, absolute configuration and chiral recognition mechanism of ofloxacin and flumequine by HPLC and modeling studies. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2901-2908	3.5	0
521	The sequestration of aqueous Cr(VI) by zero valent iron-based materials: From synthesis to practical application. <i>Journal of Cleaner Production</i> , 2021 , 312, 127678	10.3	7
520	Preparation and characterization of oxidized graphene for actinides and rare earth elements removal in nitric acid solutions from nuclear wastes. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116260	6	18
519	Bi ₂ O ₃ immobilized 3D structured clay filters for solar photocatalytic treatment of wastewater from batch to scaleup reactors. <i>Materials Chemistry and Physics</i> , 2021 , 276, 125297	4.4	4
518	An Advanced Computational Evaluation for the Most Biologically Active Enantiomers of Chiral Anti-Cancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021 , 21, 2075-2081	2.2	3
517	Micro- and nanoplastics in the environment: Occurrence, detection, characterization and toxicity □ A critical review. <i>Journal of Cleaner Production</i> , 2021 , 313, 127863	10.3	18
516	A comparison of chiral separations by supercritical fluid chromatography and high-performance liquid chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2021 , 1-14	1.3	1
515	Carbothermal reduction synthesis of zero-valent iron and its application as a persulfate activator for ciprofloxacin degradation. <i>Separation and Purification Technology</i> , 2021 , 275, 119201	8.3	4
514	Micro- and nanoplastics in wastewater treatment plants: Occurrence, removal, fate, impacts and remediation technologies □ A critical review. <i>Chemical Engineering Journal</i> , 2021 , 423, 130205	14.7	19

513	Enantiomer-Selective Electrophoresis and Electrochromatography 2021 , 63-73		
512	Chirality in Environmental Toxicity and Fate Assessments 2021 , 279-305		0
511	Enantiomer-Specific Fate and Behaviour of Chiral Contaminants 2021 , 107-254		
510	Source Characterisation and Contamination 2021 , 255-278		
509	Antiviral Strategies Using Natural Source-Derived Sulfated Polysaccharides in the Light of the COVID-19 Pandemic and Major Human Pathogenic Viruses.. <i>Viruses</i> , 2021 , 14,	6.2	7
508	3-Dimensional membrane capsules: Synthesis modulations for the remediation of environmental pollutants I A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 1-62	11.1	4
507	Toxic metal ions contamination in the groundwater, Kingdom of Saudi Arabia. <i>Journal of Taibah University for Science</i> , 2020 , 14, 1571-1579	3	7
506	Recent trends in the development of biomass-based polymers from renewable resources and their environmental applications. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 115, 293-303	5.3	14
505	Application of advanced oxidation processes followed by different treatment technologies for hospital wastewater treatment. <i>Journal of Cleaner Production</i> , 2020 , 269, 122411	10.3	78
504	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
503	Occurrence, sources and conventional treatment techniques for various antibiotics present in hospital wastewaters: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 129, 115921	14.6	92
502	Synthesis, characterization, simulation, DNA binding and anticancer activities of Co(II), Cu(II), Ni(II) and Zn(II) complexes of a Schiff base containing o-hydroxyl group nitrogen ligand. <i>Inorganic Chemistry Communication</i> , 2020 , 118, 108004	3.1	14
501	Green preparation of activated carbon from pomegranate peel coated with zero-valent iron nanoparticles (nZVI) and isotherm and kinetic studies of amoxicillin removal in water. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 36732-36743	5.1	38
500	Development and Characterization of Hemicellulose-Based Films for Antibacterial Wound-Dressing Application. <i>Polymers</i> , 2020 , 12,	4.5	15
499	Progress in Polymeric Nano-Medicines for Theranostic Cancer Treatment. <i>Polymers</i> , 2020 , 12,	4.5	38
498	Synthesis, Characterization, DNA Binding, Anticancer, and Molecular Docking Studies of Novel Imidazolium-Based Ionic Liquids with Fluorinated Phenylacetamide Tethers. <i>ACS Omega</i> , 2020 , 5, 4807-4815	3.9	17
497	Identification of TRD-35 as Potent and Selective DRAK2 Inhibitor. <i>Bulletin of the Korean Chemical Society</i> , 2020 , 41, 567-569	1.2	3
496	Study on Desiccant and Evaporative Cooling Systems for Livestock Thermal Comfort: Theory and Experiments. <i>Energies</i> , 2020 , 13, 2675	3.1	11

495	Metal-organic framework as a photocatalyst: Progress in modulation strategies and environmental/energy applications. <i>Progress in Energy and Combustion Science</i> , 2020 , 81, 100870	33.6	67
494	Microwave and conventional synthesis of ester based dicationic pyridinium ionic liquids carrying hydrazone linkage: DNA binding, anticancer and docking studies. <i>Journal of Molecular Structure</i> , 2020 , 1207, 127756	3.4	10
493	Effect of Various Parameters and Mechanism of Reversal Order of Elution in Chiral HPLC. <i>Current Analytical Chemistry</i> , 2020 , 16, 59-78	1.7	5
492	Recent development of super-wettable materials and their applications in oil-water separation. <i>Journal of Cleaner Production</i> , 2020 , 266, 121624	10.3	73
491	Quick removal of nickel metal ions in water using asphalt-based porous carbon. <i>Journal of Molecular Liquids</i> , 2020 , 308, 113078	6	13
490	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
489	Litter decay in rangeland sites with varying history of human disturbance: a study with Hazargangi Chiltan mountain. <i>Journal of Mountain Science</i> , 2020 , 17, 898-906	2.1	1
488	Advances in Nanoparticles as Anticancer Drug Delivery Vector: Need of this Century. <i>Current Pharmaceutical Design</i> , 2020 , 26, 1637-1649	3.3	8
487	Investigation of Input and Output Energy for Wheat Production: A Comprehensive Study for Tehsil Mailsi (Pakistan). <i>Sustainability</i> , 2020 , 12, 6884	3.6	6
486	Theoretical DFT study of Cannizzaro reaction mechanism: A mini perspective. <i>European Journal of Chemistry</i> , 2020 , 11, 139-144	0.6	4
485	Advances in Chiral Separations at Nano Level. <i>Current Analytical Chemistry</i> , 2020 , 16, 351-368	1.7	14
484	The heteropolysaccharide of <i>Mangifera indica</i> fruit: Isolation, chemical profile, complexation with Bactoglobulin and antioxidant activity. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 93-99	7.9	4
483	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
482	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
481	Drug analyses in human plasma by chromatography. <i>Handbook of Analytical Separations</i> , 2020 , 15-46	0.7	2
480	Methods for preparation and activation of activated carbon: a review. <i>Environmental Chemistry Letters</i> , 2020 , 18, 393-415	13.3	192
479	The analysis of the accumulation of solid waste debris in the summer season along the Shilaoren Beach Qingdao, China. <i>Regional Studies in Marine Science</i> , 2020 , 34, 101041	1.5	5
478	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	

477	Modeling the photocatalytic reactions of g-C ₃ N ₄ -TiO ₂ nanocomposites in a recirculating semi-batch reactor. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153498	5.7	6
476	Recent updates on the adsorption capacities of adsorbent-adsorbate pairs for heat transformation applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109630	16.2	43
475	Efficient removal of acid orange 7 using a porous adsorbent-supported zero-valent iron as a synergistic catalyst in advanced oxidation process. <i>Chemosphere</i> , 2020 , 244, 125522	8.4	25
474	Usage of microbial combination degradation technology for the remediation of uranium contaminated ryegrass. <i>Environment International</i> , 2020 , 144, 106051	12.9	13
473	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
472	Synthesis, Characterization, DNA Binding, Docking, and Anticancer Studies of Novel Bis-1,2,3-triazoles Phthalonitrile. <i>ChemistrySelect</i> , 2020 , 5, 11347-11353	1.8	9
471	Novel phenethylimidazolium based ionic liquids: Design, microwave synthesis, in-silico, modeling and biological evaluation studies. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113778	6	10
470	Mono and tri-nuclear cobalt(III) complexes with sterically constrained phenol based N ₂ O ₂ ligand: Synthesis, structure and catechol oxidase activity. <i>Polyhedron</i> , 2020 , 180, 114429	2.7	2
469	A dual-well system and thermal-gas-chemical formation treatment: Combined methods for high-viscosity oil production. <i>Journal of Petroleum Science and Engineering</i> , 2020 , 194, 107554	4.4	1
468	Preparation and Characterization of Quinoxaline-Pyrene-Based Conjugated Copolymers for Organic Photovoltaic Devices. <i>Coatings</i> , 2020 , 10, 1098	2.9	3
467	Temperature self-regulating flat electric heaters based on MWCNTs-modified polymers. <i>Polymer Bulletin</i> , 2020 , 78, 6689	2.4	0
466	Isolation, structural features, in vitro antioxidant activity and assessment of complexation ability with Lactoglobulin of a polysaccharide from fruit. <i>Heliyon</i> , 2020 , 6, e05499	3.6	6
465	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
464	Steady-State Investigation of Carbon-Based Adsorbent-Adsorbate Pairs for Heat Transformation Application. <i>Sustainability</i> , 2020 , 12, 7040	3.6	4
463	Multi-Walled Carbon Nanotubes Solid-Phase Extraction and Capillary Electrophoresis Methods for the Analysis of 4-Cyanophenol and 3-Nitrophenol in Water. <i>Molecules</i> , 2020 , 25,	4.8	3
462	Effect of different iron precursors on the synthesis and photocatalytic activity of Fe ^{III} O ₂ nanotubes under visible light. <i>Ceramics International</i> , 2020 , 46, 3353-3366	5.1	7
461	Chiral resolution of four stereomers and simulation studies of newly synthesized antibacterial agents having two chiral centers. <i>Separation and Purification Technology</i> , 2020 , 236, 116256	8.3	13
460	COVID-19: Disease, management, treatment, and social impact. <i>Science of the Total Environment</i> , 2020 , 728, 138861	10.2	195

459	Application of Composite NanoMaterial to Determine Phenols in Wastewater by Solid Phase Micro Membrane Tip Extraction and Capillary Electrophoresis. <i>Molecules</i> , 2019 , 24,	4.8	4
458	Removal of dye from polluted water using novel nano manganese oxide-based materials. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100911	6.7	92
457	Speciation Distribution of Heavy Metals in Uranium Mining Impacted Soils and Impact on Bacterial Community Revealed by High-Throughput Sequencing. <i>Frontiers in Microbiology</i> , 2019 , 10, 1867	5.7	23
456	Advances in chiral multidimensional liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115634	14.6	13
455	Unusual van Deemter plots of optical isomers on a chiral brush-type liquid chromatography column. <i>Journal of Chromatography A</i> , 2019 , 1592, 112-121	4.5	8
454	Development and application of novel bio-magnetic membrane capsules for the removal of the cationic dye malachite green in wastewater treatment.. <i>RSC Advances</i> , 2019 , 9, 3625-3646	3.7	38
453	Advances in carbon nanomaterials as lubricants modifiers. <i>Journal of Molecular Liquids</i> , 2019 , 279, 251-266	6.6	68
452	Water Purification Using Magnetic Nanomaterials: An Overview. <i>Nanotechnology in the Life Sciences</i> , 2019 , 161-179	1.1	8
451	Biogenesis of ZnO nanoparticles using leaf extract: anticancer and antimicrobial activities.. <i>RSC Advances</i> , 2019 , 9, 15357-15369	3.7	103
450	Assessment of antiherpetic activity of nonsulfated and sulfated polysaccharides from <i>Azadirachta indica</i> . <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 54-61	7.9	13
449	<i>Lactococcus lactis</i> subsp. <i>lactis</i> isolated from fermented milk products and its antimicrobial potential. <i>CYTA - Journal of Food</i> , 2019 , 17, 214-220	2.3	13
448	High performance removal and simulation studies of diuron pesticide in water on MWCNTs. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111039	6	68
447	Photocatalytic degradation performance of various types of modified TiO ₂ against nitrophenols in aqueous systems. <i>Journal of Cleaner Production</i> , 2019 , 231, 899-912	10.3	66
446	Chemically sulfated polysaccharides from natural sources: Assessment of extraction-sulfation efficiencies, structural features and antiviral activities. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 521-530	7.9	25
445	Isolation, identification, and characterization of diesel-oil-degrading bacterial strains indigenous to Changqing oil field, China. <i>Journal of Basic Microbiology</i> , 2019 , 59, 723-734	2.7	2
444	High performance removal of phenol from aqueous solution by magnetic chitosan based on response surface methodology and genetic algorithm. <i>Journal of Molecular Liquids</i> , 2019 , 285, 146-157	6	61
443	Novel pyridinium based ionic liquids with amide tethers: Microwave assisted synthesis, molecular docking and anticancer studies. <i>Journal of Molecular Liquids</i> , 2019 , 285, 790-802	6	13
442	Synthesis, characterization and application of copper oxide chitosan nanocomposite for green regioselective synthesis of [1,2,3]triazoles. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 928-937	7.9	22

441	Water photo splitting for green hydrogen energy by green nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 11564-11573	6.7	57
440	Graphene based adsorbents for remediation of noxious pollutants from wastewater. <i>Environment International</i> , 2019 , 127, 160-180	12.9	246
439	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
438	Design, click synthesis, anticancer screening and docking studies of novel benzothiazole-1,2,3-triazoles appended with some bioactive benzofused heterocycles. <i>Journal of Molecular Structure</i> , 2019 , 1188, 153-164	3.4	36
437	Advances in sample preparation in chromatography for organic environmental pollutants analyses. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2019 , 42, 137-160	1.3	13
436	Advances in iridium nano catalyst preparation, characterization and applications. <i>Journal of Molecular Liquids</i> , 2019 , 280, 274-284	6	25
435	Green synthesis of the innovative super paramagnetic nanoparticles from the leaves extract of <i>Fraxinus chinensis</i> Roxb and their application for the decolourisation of toxic dyes. <i>Green Processing and Synthesis</i> , 2019 , 8, 256-271	3.9	22
434	Increased levels of genotoxic damage in a Bolivian agricultural population exposed to mixtures of pesticides. <i>Science of the Total Environment</i> , 2019 , 695, 133942	10.2	17
433	Analysis and imitation of organic Sanhetu concrete discovered in an ancient Chinese tomb of Qing Dynasty. <i>Journal of Archaeological Science: Reports</i> , 2019 , 26, 101918	0.7	2
432	Purification and Characterization of Cellulase from Obligate Halophilic <i>Aspergillus flavus</i> (TISTR 3637) and Its Prospects for Bioethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2019 , 189, 1327-1337	3.2	16
431	Assessment of heavy metals contamination in the sediments and mangroves (<i>Avicennia marina</i>) at Yanbu coast, Red Sea, Saudi Arabia. <i>Marine Pollution Bulletin</i> , 2019 , 149, 110669	6.7	18
430	Enantioselective degradation of dufulin pesticide in water: Uptake, thermodynamics, and kinetics studies. <i>Chirality</i> , 2019 , 31, 1060-1069	2.1	3
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