

Tejraj M Aminabhavi

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.

726
papers

35,621
citations

92
h-index

153
g-index

751
ext. papers

40,276
ext. citations

5.6
avg, IF

7.84
L-index

#	Paper	IF	Citations
726	Versatile Graphitized Carbon Nanofibers in Energy Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1334-1360	8.3	2
725	Hafnium doped tungsten oxide intercalated carbon matrix for electrochemical detection of perfluorooctanoic acid. <i>Chemical Engineering Journal</i> , 2022 , 434, 134700	14.7	1
724	A mixed matrix polyimide ultrafiltration membrane for efficient removal of bentazon from water. <i>Chemical Engineering Journal</i> , 2022 , 433, 134596	14.7	0
723	Eco-friendly rice husk derived biochar as a highly efficient noble Metal-Free cocatalyst for high production of H ₂ using solar light irradiation. <i>Chemical Engineering Journal</i> , 2022 , 434, 134743	14.7	3
722	Valorisation of lignocellulosic biomass to value-added products: Paving the pathway towards low-carbon footprint. <i>Fuel</i> , 2022 , 313, 122678	7.1	7
721	Bioelectrochemical systems-based metal recovery: Resource, conservation and recycling of metallic industrial effluents. <i>Environmental Research</i> , 2022 , 204, 112346	7.9	2
720	Environmental management of industrial decarbonization with focus on chemical sectors: A review. <i>Journal of Environmental Management</i> , 2022 , 302, 114055	7.9	5
719	Maltose-based methacrylated polymer architectures and their biocompatibility. <i>Materials Today Chemistry</i> , 2022 , 23, 100669	6.2	0
718	Integrated biorefinery processes for conversion of lignocellulosic biomass to value added materials: Paving a path towards circular economy. <i>Bioresource Technology</i> , 2022 , 343, 126151	11	10
717	Hydrogen production technologies - Membrane based separation, storage and challenges. <i>Journal of Environmental Management</i> , 2022 , 302, 113963	7.9	14
716	Engineered nanomaterials in microbial fuel cells [Recent developments, sustainability aspects, and future outlook. <i>Fuel</i> , 2022 , 310, 122347	7.1	4
715	Remediation of per- and polyfluoroalkyls (PFAS) via electrochemical methods. <i>Chemical Engineering Journal</i> , 2022 , 430, 132895	14.7	11
714	Electrochemical sensors for the detection of SARS-CoV-2 virus. <i>Chemical Engineering Journal</i> , 2022 , 430, 132966	14.7	25
713	Novel edge-capped ZrO ₂ nanoparticles onto V ₂ O ₅ nanowires for efficient photosensitized reduction of chromium (Cr (VI)), photoelectrochemical solar water splitting, and electrochemical energy storage applications. <i>Chemical Engineering Journal</i> , 2022 , 430, 132988	14.7	3
712	Biochar for soil applications-sustainability aspects, challenges and future prospects. <i>Chemical Engineering Journal</i> , 2022 , 428, 131189	14.7	23
711	Azo dye containing wastewater treatment in earthen membrane based unplanted two chambered constructed wetlands-microbial fuel cells: A new design for enhanced performance. <i>Chemical Engineering Journal</i> , 2022 , 427, 131856	14.7	9
710	Nanostructured graphitic carbon nitride (g-CN)-CTAB modified electrode for the highly sensitive detection of amino-triazole and linuron herbicides. <i>Environmental Research</i> , 2022 , 204, 111856	7.9	8

709	A new insight into catalytic ozonation of sulfasalazine antibiotic by plasma-treated limonite nanostructures: Experimental, modeling and mechanism. <i>Chemical Engineering Journal</i> , 2022 , 428, 131230	14.7	14
708	Novel Z-scheme binary zinc tungsten oxide/nickel ferrite nanohybrids for photocatalytic reduction of chromium (Cr (VI)), photoelectrochemical water splitting and degradation of toxic organic pollutants. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127044	12.8	21
707	Acclimatized activated sludge for enhanced phenolic wastewater treatment using pinewood biochar. <i>Chemical Engineering Journal</i> , 2022 , 427, 131708	14.7	9
706	Catalytic production and application of bio-renewable butyl butyrate as jet fuel blend- A review.. <i>Journal of Environmental Management</i> , 2022 , 310, 114772	7.9	0
705	Two-dimensional ultrathin metal-based nanosheets for photocatalytic CO conversion to solar fuels.. <i>Journal of Environmental Management</i> , 2022 , 313, 114916	7.9	2
704	Direct red 89 dye degradation by advanced oxidation process using sulfite and zero valent under ultraviolet irradiation: Toxicity assessment and adaptive neuro-fuzzy inference systems modeling.. <i>Environmental Research</i> , 2022 , 211, 113059	7.9	0
703	Hf-Doped Tungsten Oxide Nanorods as Electrode Materials for Electrochemical Detection of Paracetamol and Salbutamol. <i>ACS Applied Nano Materials</i> , 2022 , 5, 1263-1275	5.6	4
702	Fouling mechanisms in ultrafiltration under constant flux: Effect of feed spacer design. <i>Chemical Engineering Journal</i> , 2022 , 136563	14.7	1
701	g-CN nanosheets functionalized yttrium-doped ZrO nanoparticles for efficient photocatalytic Cr(VI) reduction and energy storage applications.. <i>Journal of Environmental Management</i> , 2022 , 315, 115120	7.9	0
700	Synthesis of bis-1,3-(benz)azoles catalyzed by palladium-PEPPSI complex-based catalysts and the study of photophysical properties.. <i>Chemosphere</i> , 2022 , 134751	8.4	0
699	Efficient removal of heavy metal ions from aqueous media by unmodified and modified nanodiamonds. <i>Journal of Environmental Management</i> , 2022 , 316, 115214	7.9	2
698	The identification of byproducts from the catalytic reduction reaction of 4-nitrophenol to 4-aminophenol: A systematic spectroscopic study. <i>Journal of Environmental Management</i> , 2022 , 316, 115292	7.9	0
697	Removal of hexavalent chromium via biochar-based adsorbents: State-of-the-art, challenges, and future perspectives. <i>Journal of Environmental Management</i> , 2022 , 317, 115356	7.9	3
696	Engineered biochar: A way forward to environmental remediation. <i>Fuel</i> , 2021 , 122510	7.1	1
695	Polydopamine-coated graphene oxide nanosheets embedded in sulfonated poly(ether sulfone) hybrid UF membranes with superior antifouling properties for water treatment. <i>Chemical Engineering Journal</i> , 2021 , 433, 133526	14.7	1
694	UiO-66 metal-organic frameworks in water treatment: A critical review. <i>Progress in Materials Science</i> , 2021 , 125, 100904	42.2	13
693	Graphene/g-carbon nitride (GO/g-CN) nanohybrids as a sensor material for the detection of methyl parathion and carbendazim.. <i>Chemosphere</i> , 2021 , 292, 133450	8.4	5
692	Drug delivery using interpenetrating polymeric networks of natural polymers: A recent update. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 66, 102915	4.5	4

691	Electrochemical investigations for COVID-19 detection-A comparison with other viral detection methods. <i>Chemical Engineering Journal</i> , 2021 , 420, 127575	14.7	38
690	Advances in transition metal dichalcogenide-based two-dimensional nanomaterials. <i>Materials Today Chemistry</i> , 2021 , 19, 100399	6.2	21
689	Enhanced removal of humic acid from aqueous solution by combined alternating current electrocoagulation and sulfate radical. <i>Environmental Pollution</i> , 2021 , 277, 116632	9.3	8
688	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks [A review]. <i>Energy Conversion and Management</i> , 2021 , 236, 114038	10.6	34
687	Photocatalytic hydrogen production by ternary heterojunction composites of silver nanoparticles doped FCNT-TiO. <i>Journal of Environmental Management</i> , 2021 , 286, 112130	7.9	11
686	Next generation polymers of intrinsic microporosity with tunable moieties for ultrahigh permeation and precise molecular CO ₂ separation. <i>Progress in Energy and Combustion Science</i> , 2021 , 84, 100903	33.6	20
685	Biomass utilization and production of biofuels from carbon neutral materials. <i>Environmental Pollution</i> , 2021 , 276, 116731	9.3	46
684	Recent advances and viability in biofuel production. <i>Energy Conversion and Management: X</i> , 2021 , 10, 100070	2.5	22
683	Sustainable MXenes-based membranes for highly energy-efficient separations. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110878	16.2	13
682	Point of care detection of COVID-19: Advancement in biosensing and diagnostic methods. <i>Chemical Engineering Journal</i> , 2021 , 414, 128759	14.7	51
681	Versatile fullerenes as sensor materials. <i>Materials Today Chemistry</i> , 2021 , 20, 100454	6.2	9
680	A review on multicomponent reactions catalysed by zero-dimensional/one-dimensional titanium dioxide (TiO) nanomaterials: Promising green methodologies in organic chemistry. <i>Journal of Environmental Management</i> , 2021 , 279, 111603	7.9	11
679	Forward osmosis for industrial effluents treatment [Sustainability considerations]. <i>Separation and Purification Technology</i> , 2021 , 254, 117568	8.3	10
678	Microplastics in the environment: Occurrence, perils, and eradication. <i>Chemical Engineering Journal</i> , 2021 , 408, 127317	14.7	42
677	Photocatalytic hydrogen production from dye contaminated water and electrochemical supercapacitors using carbon nanohorns and TiO nanoflower heterogeneous catalysts. <i>Journal of Environmental Management</i> , 2021 , 277, 111433	7.9	12
676	Ethylenediamine-functionalized Zr-based MOF for efficient removal of heavy metal ions from water. <i>Chemosphere</i> , 2021 , 264, 128466	8.4	64
675	Synthesis of Ca-doped ZnO nanoparticles and its application as highly efficient electrochemical sensor for the determination of anti-viral drug, acyclovir. <i>Journal of Molecular Liquids</i> , 2021 , 322, 114552 ⁶		30
674	Ultra-small zinc oxide nanosheets anchored onto sodium bismuth sulfide nanoribbons as solar-driven photocatalysts for removal of toxic pollutants and photoelectrocatalytic water oxidation. <i>Chemosphere</i> , 2021 , 267, 128559	8.4	22

673	A novel sensor based on WO ₃ .33HO nanorods modified electrode for the detection and degradation of herbicide, carbendazim. <i>Journal of Environmental Management</i> , 2021 , 279, 111611	7.9	20
672	Aluminum-based metal-organic frameworks for adsorptive removal of anti-cancer (methotrexate) drug from aqueous solutions. <i>Journal of Environmental Management</i> , 2021 , 277, 111448	7.9	23
671	Artificial intelligence as a sustainable tool in wastewater treatment using membrane bioreactors. <i>Chemical Engineering Journal</i> , 2021 , 417, 128070	14.7	8
670	Adsorption of 4-chlorophenol by magnetized activated carbon from pomegranate husk using dual stage chemical activation. <i>Chemosphere</i> , 2021 , 270, 128623	8.4	14
669	Conventional and Nanotechnology-Based Sensing Methods for SARS Coronavirus (2019-nCoV). <i>ACS Applied Bio Materials</i> , 2021 , 4, 1178-1190	4.1	20
668	Synergetic degradation of atenolol by hydrodynamic cavitation coupled with sodium persulfate as zero-waste discharge process: Effect of coexisting anions. <i>Chemical Engineering Journal</i> , 2021 , 416, 129163	14.7	7
667	Monodispersed core/shell nanospheres of ZnS/NiO with enhanced H ₂ generation and quantum efficiency at versatile photocatalytic conditions. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125359	12.8	14
666	Advanced oxidation of 4-chlorophenol via combined pulsed light and sulfate radicals methods: Effect of co-existing anions. <i>Journal of Environmental Management</i> , 2021 , 291, 112595	7.9	9
665	Nanostructured materials via green sonochemical routes - Sustainability aspects. <i>Chemosphere</i> , 2021 , 276, 130146	8.4	11
664	Gram-scale synthesis of ZnS/NiO core-shell hierarchical nanostructures and their enhanced H ₂ production in crude glycerol and sulphide wastewater. <i>Environmental Research</i> , 2021 , 199, 111323	7.9	6
663	Artificial intelligence modeling to predict transmembrane pressure in anaerobic membrane bioreactor-sequencing batch reactor during biohydrogen production. <i>Journal of Environmental Management</i> , 2021 , 292, 112759	7.9	4
662	Metal chalcogenide-based core/shell photocatalysts for solar hydrogen production: Recent advances, properties and technology challenges. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125588	12.8	10
661	Synthesis and Anticancer Activity of Thiadiazole Containing Thiourea, Benzothiazole and Imidazo[2,1-b][1,3,4]thiadiazole Scaffolds. <i>Medicinal Chemistry</i> , 2021 , 17, 750-765	1.8	2
660	In-vitro evaluation of antioxidant and anticholinesterase activities of novel pyridine, quinoxaline and s-triazine derivatives. <i>Environmental Research</i> , 2021 , 199, 111320	7.9	11
659	Biochar in water and wastewater treatment - a sustainability assessment. <i>Chemical Engineering Journal</i> , 2021 , 420, 129946	14.7	33
658	Synthesis of ruthenium doped titanium dioxide nanoparticles for the electrochemical detection of diclofenac sodium. <i>Journal of Molecular Liquids</i> , 2021 , 340, 116891	6	5
657	Photocatalytic water splitting hydrogen production via environmental benign carbon based nanomaterials. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 33696-33717	6.7	27
656	Interrelation between sulphur and conductive materials and its impact on ammonium and organic pollutants removal in electroactive wetlands. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126417	12.8	8

655	Identification and removal of micro- and nano-plastics: Efficient and cost-effective methods. <i>Chemical Engineering Journal</i> , 2021 , 421, 129816-129816	14.7	16
654	Simultaneous detection and removal of fluoride from water using smart metal-organic framework-based adsorbents. <i>Coordination Chemistry Reviews</i> , 2021 , 445, 214037	23.2	20
653	Synthesis of novel CoO nanocubes-NiO octahedral hybrids for electrochemical energy storage supercapacitors. <i>Journal of Environmental Management</i> , 2021 , 298, 113484	7.9	2
652	Application of UV/chlorine processes for the DR83:1 degradation from wastewater: Effect of coexisting anions. <i>Journal of Environmental Management</i> , 2021 , 297, 113349	7.9	4
651	Anaerobic membrane bioreactor for the production of bioH ₂ : Electron flow, fouling modeling and kinetic study. <i>Chemical Engineering Journal</i> , 2021 , 426, 130716	14.7	4
650	Detection of ketorolac drug using pencil graphite electrode. <i>Biomedical Engineering Advances</i> , 2021 , 2, 100009		4
649	Photocatalytic carbon dioxide reduction: Exploring the role of ultrathin 2D graphitic carbon nitride (g-C ₃ N ₄). <i>Chemical Engineering Journal</i> , 2021 , 425, 131402	14.7	15
648	Photocatalytic conversion of CO ₂ into valuable products using emerging two-dimensional graphene-based nanomaterials: A step towards sustainability. <i>Chemical Engineering Journal</i> , 2021 , 425, 131401	14.7	4
647	Superior chemical stability of UiO-66 metal-organic frameworks (MOFs) for selective dye adsorption. <i>Chemical Engineering Journal</i> , 2020 , 399, 125346	14.7	128
646	Synergistic degradation of 4-chlorophenol by persulfate and oxalic acid mixture with heterogeneous Fenton like system for wastewater treatment: Adaptive neuro-fuzzy inference systems modeling. <i>Journal of Environmental Management</i> , 2020 , 268, 110678	7.9	21
645	Molecular insights and novel approaches for targeting tumor metastasis. <i>International Journal of Pharmaceutics</i> , 2020 , 585, 119556	6.5	33
644	Recent trends in functionalized nanoparticles loaded polymeric composites: An energy application. <i>Materials Science for Energy Technologies</i> , 2020 , 3, 515-525	5.2	8
643	Sustainable energy from waste organic matters via efficient microbial processes. <i>Science of the Total Environment</i> , 2020 , 722, 137927	10.2	44
642	Skin-Patchable Electrodes for Biosensor Applications: A Review. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1823-1835	5.5	54
641	Modern approaches in separation, identification and quantification of polychlorinated biphenyls. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 18, 26-39	8.1	3
640	Mechanisms and modelling of phosphorus solid-liquid transformation during the hydrothermal processing of swine manure. <i>Green Chemistry</i> , 2020 , 22, 5628-5638	10	46
639	Electrocatalytic detection of herbicide, amitrole at WO ₃ .33HO modified carbon paste electrode for environmental applications. <i>Science of the Total Environment</i> , 2020 , 743, 140691	10.2	21
638	Optimization of kraft black liquor treatment using ultrasonically synthesized mesoporous tenorite nanomaterials assisted by Taguchi design. <i>Chemical Engineering Journal</i> , 2020 , 401, 126040	14.7	8

637	Retention of atenolol from single and binary aqueous solutions by thin film composite nanofiltration membrane: Transport modeling and pore radius estimation. <i>Journal of Environmental Management</i> , 2020 , 271, 111005	7.9	8
636	Hetero-nanostructured iron oxide and bentonite clay composite assembly for the determination of an antiviral drug acyclovir. <i>Microchemical Journal</i> , 2020 , 155, 104727	4.8	34
635	Copper-doped ZrO nanoparticles as high-performance catalysts for efficient removal of toxic organic pollutants and stable solar water oxidation. <i>Journal of Environmental Management</i> , 2020 , 260, 110088	7.9	87
634	Waste-to-energy nexus for circular economy and environmental protection: Recent trends in hydrogen energy. <i>Science of the Total Environment</i> , 2020 , 713, 136633	10.2	129
633	The role of ferric coagulant on gypsum scaling and ion interception efficiency in nanofiltration at different pH values: Performance and mechanism. <i>Water Research</i> , 2020 , 175, 115695	12.5	6
632	Recent developments in ionic liquid-based electrolytes for energy storage supercapacitors and rechargeable batteries 2020 , 199-221		7
631	Scientometric analysis and scientific trends on biochar application as soil amendment. <i>Chemical Engineering Journal</i> , 2020 , 395, 125128	14.7	19
630	Uses of tailored polysaccharides in dentistry 2020 , 287-304		2
629	Biomedical applications of polysaccharides 2020 , 1-34		2
628	Polysaccharide-based polyelectrolyte complex systems for biomedical uses 2020 , 151-174		2
627	In Silico ADME and QSAR Studies on a Set of Coumarin Derivatives As Acetylcholinesterase Inhibitors Against Alzheimer's Disease: CoMFA, CoMSIA, Topomer CoMFA, and HQSAR. <i>Letters in Drug Design and Discovery</i> , 2020 , 17, 684-712	0.8	0
626	Z-scheme binary 1D ZnWO nanorods decorated 2D NiFeO nanoplates as photocatalysts for high efficiency photocatalytic degradation of toxic organic pollutants from wastewater. <i>Journal of Environmental Management</i> , 2020 , 268, 110677	7.9	51
625	Highly efficient solar light-driven photocatalytic hydrogen production over Cu/FCNTs-titania quantum dots-based heterostructures. <i>Journal of Environmental Management</i> , 2020 , 254, 109747	7.9	86
624	Single precursor sonochemical synthesis of mesoporous hexagonal-shape zero-valent copper for effective nitrate reduction. <i>Chemical Engineering Journal</i> , 2020 , 384, 123359	14.7	8
623	Adsorption behavior of powdered activated carbon to control capacitive deionization fouling of organic matter. <i>Chemical Engineering Journal</i> , 2020 , 384, 123277	14.7	16
622	Novel ruthenium doped TiO ₂ /reduced graphene oxide hybrid as highly selective sensor for the determination of amoxicillin. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112368	6	52
621	Treatment technologies for pharmaceutical effluents-A scientometric study. <i>Journal of Environmental Management</i> , 2020 , 254, 109800	7.9	10
620	Textile waste, dyes/inorganic salts separation of cerium oxide-loaded loose nanofiltration polyethersulfone membranes. <i>Chemical Engineering Journal</i> , 2020 , 385, 123787	14.7	139

619	Acetal containing polymers as pH-responsive nano-drug delivery systems. <i>Journal of Controlled Release</i> , 2020 , 328, 736-761	11.7	23
618	2D/2d heterojunction of MoS ₂ /g-CN nanoflowers for enhanced visible-light-driven photocatalytic and electrochemical degradation of organic pollutants. <i>Journal of Environmental Management</i> , 2020 , 274, 111208	7.9	68
617	Impact of scale, activation solvents, and aged conditions on gas adsorption properties of UiO-66. <i>Journal of Environmental Management</i> , 2020 , 274, 111155	7.9	17
616	Waste-to-energy nexus: A sustainable development. <i>Environmental Pollution</i> , 2020 , 267, 115501	9.3	56
615	Ultrasonication and electrochemically-assisted synthesis of reduced graphene oxide nanosheets for electrochemical sensor applications. <i>FlatChem</i> , 2020 , 23, 100183	5.1	23
614	Sustainable environmental management and related biofuel technologies. <i>Journal of Environmental Management</i> , 2020 , 273, 111096	7.9	62
613	Nanocarbons-Supported and Polymers-Supported Titanium Dioxide Nanostructures as Efficient Photocatalysts for Remediation of Contaminated Wastewater and Hydrogen Production. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 139-169	0.8	25
612	Hetero-nanostructured metal oxide-based hybrid photocatalysts for enhanced photoelectrochemical water splitting □ A review. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18331-18347	6.7	106
611	Metal-organic frameworks (MOFs)-based efficient heterogeneous photocatalysts: Synthesis, properties and its applications in photocatalytic hydrogen generation, CO ₂ reduction and photodegradation of organic dyes. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 7656-7679	6.7	132
610	Efficient removal of toxic organic dyes and photoelectrochemical properties of iron-doped zirconia nanoparticles. <i>Chemosphere</i> , 2020 , 239, 124766	8.4	102
609	Removal of manganese from groundwater in the ripened sand filtration: Biological oxidation versus chemical auto-catalytic oxidation. <i>Chemical Engineering Journal</i> , 2020 , 382, 123033	14.7	25
608	Biofuels, biodiesel and biohydrogen production using bioprocesses. A review. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1049-1072	13.3	82
607	ZnO nanosheets-decorated BiWO ₄ nanolayers as efficient photocatalysts for the removal of toxic environmental pollutants and photoelectrochemical solar water oxidation. <i>Journal of Environmental Management</i> , 2020 , 265, 110504	7.9	70
606	Industrial biowastes treatment using membrane bioreactors (MBRs) -a scientometric study. <i>Journal of Environmental Management</i> , 2019 , 247, 462-473	7.9	26
605	Electro-sensing base for herbicide acclonifen at graphitic carbon nitride modified carbon electrode □ Water and soil sample analysis. <i>Microchemical Journal</i> , 2019 , 149, 103976	4.8	66
604	ZnO-based nanostructured electrodes for electrochemical sensors and biosensors in biomedical applications. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111417	11.8	199
603	Underground carbon dioxide sequestration for climate change mitigation □ A scientometric study. <i>Journal of CO₂ Utilization</i> , 2019 , 33, 179-188	7.6	17
602	Membranes for dehydration of alcohols via pervaporation. <i>Journal of Environmental Management</i> , 2019 , 242, 415-429	7.9	62

601	Graphitic carbon nitride (g-C ₃ N ₄) based metal-free photocatalysts for water splitting: A review. <i>Carbon</i> , 2019 , 149, 693-721	10.4	412
600	Photocatalytic recovery of H ₂ from H ₂ S containing wastewater: Surface and interface control of photo-excitons in Cu ₂ S@TiO ₂ core-shell nanostructures. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 174-185	21.8	167
599	Polymeric graphitic carbon nitride (g-CN)-based semiconducting nanostructured materials: Synthesis methods, properties and photocatalytic applications. <i>Journal of Environmental Management</i> , 2019 , 238, 25-40	7.9	232
598	A review on frontiers in plasmonic nano-photocatalysts for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 10453-10472	6.7	148
597	Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 178, 385-394	6	122
596	Sustainability of treatment technologies for industrial biowastes effluents. <i>Chemical Engineering Journal</i> , 2019 , 370, 1511-1521	14.7	51
595	Electro-Catalytic Behavior of Mg-Doped ZnO Nano-Flakes for Oxidation of Anti-Inflammatory Drug. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3072-B3078	3.9	67
594	Electrochemical behavior of flufenamic acid at amberlite XAD-4 resin and silver-doped titanium dioxide/ amberlite XAD-4 resin modified carbon electrodes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 177, 407-415	6	69
593	Chemical synthesis, molecular modeling and pharmacophore mapping of new pyrrole derivatives as inhibitors of InhA enzyme and Mycobacterium tuberculosis growth. <i>Medicinal Chemistry Research</i> , 2019 , 28, 1838-1863	2.2	1
592	Sustainable hydrogen production for the greener environment by quantum dots-based efficient photocatalysts: A review. <i>Journal of Environmental Management</i> , 2019 , 248, 109246	7.9	80
591	Enhanced biodegradation of phenolic wastewaters with acclimatized activated sludge: A kinetic study. <i>Chemical Engineering Journal</i> , 2019 , 378, 122186	14.7	33
590	Nanostructured silver doped TiO ₂ /CNTs hybrid as an efficient electrochemical sensor for detection of anti-inflammatory drug, cetirizine. <i>Microchemical Journal</i> , 2019 , 150, 104124	4.8	63
589	A review of pharmacological and clinical studies on the application of Shenling Baizhu San in treatment of Ulcerative colitis. <i>Journal of Ethnopharmacology</i> , 2019 , 244, 112105	5	20
588	Sodium alginate in drug delivery and biomedical areas 2019 , 59-100		14
587	Fabrication of ZnO nanoparticles modified sensor for electrochemical oxidation of methdilazine. <i>Applied Surface Science</i> , 2019 , 496, 143656	6.7	85
586	Band gap tuning and surface modification of carbon dots for sustainable environmental remediation and photocatalytic hydrogen production - A review. <i>Journal of Environmental Management</i> , 2019 , 250, 109486	7.9	140
585	Carbon Cloth-based Hybrid Materials as Flexible Electrochemical Supercapacitors. <i>ChemElectroChem</i> , 2019 , 6, 5771-5786	4.3	73
584	A Novel Electrochemical Sensor for Detection of Molinate Using ZnO Nanoparticles Loaded Carbon Electrode. <i>Electroanalysis</i> , 2019 , 31, 1040-1049	3	66

583	Sustainability considerations in membrane-based technologies for industrial effluents treatment. <i>Chemical Engineering Journal</i> , 2019 , 368, 474-494	14.7	143
582	Membrane-based separation of potential emerging pollutants. <i>Separation and Purification Technology</i> , 2019 , 210, 850-866	8.3	185
581	Photocatalysis of Graphene and Carbon Nitride-Based Functional Carbon Quantum Dots 2019 , 759-781		23
580	Sensors based on ruthenium-doped TiO nanoparticles loaded into multi-walled carbon nanotubes for the detection of flufenamic acid and mefenamic acid. <i>Analytica Chimica Acta</i> , 2019 , 1051, 58-72	6.6	124
579	Electrochemical detection and degradation of textile dye Congo red at graphene oxide modified electrode. <i>Microchemical Journal</i> , 2019 , 146, 387-392	4.8	106
578	Novel anisotropic ordered polymeric materials based on metallopolymer precursors as dye sensitized solar cells. <i>Chemical Engineering Journal</i> , 2019 , 358, 1166-1175	14.7	32
577	Polychlorinated biphenyls (PCBs) in the environment: Recent updates on sampling, pretreatment, cleanup technologies and their analysis. <i>Chemical Engineering Journal</i> , 2019 , 358, 1186-1207	14.7	83
576	Nanomedicine: An effective tool in cancer therapy. <i>International Journal of Pharmaceutics</i> , 2018 , 540, 132-149	6.5	143
575	Cellulose acetate butyrate bilayer coated microspheres for controlled release of ciprofloxacin. <i>Polymer Bulletin</i> , 2018 , 75, 1329-1348	2.4	6
574	Stimuli-responsive peptide-based biomaterials as drug delivery systems. <i>Chemical Engineering Journal</i> , 2018 , 353, 559-583	14.7	56
573	Effect of electron beam irradiation induced grafting of sialic acid onto polycaprolactone □ Feasibility study. <i>Materials Science for Energy Technologies</i> , 2018 , 1, 77-83	5.2	1
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143	Molecular transport of organic esters and ketones into fluoropolymer membranes. <i>Canadian Journal of Chemical Engineering</i> , 1994 , 72, 1047-1054	2.3	9
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8	Diffusion coefficients of some nonideal liquid mixtures. <i>The Journal of Physical Chemistry</i> , 1980 , 84, 442-446		23

7	Preferential Adsorption onto Polystyrene in Mixed Solvent Systems. <i>Macromolecules</i> , 1979 , 12, 607-613	5.5	67
6	Excess Polarizability and Volume of Mixing and Their Effect on the Partial Specific Volume and the Refractive Increment of Polymers in Mixed Solvents. <i>Macromolecules</i> , 1979 , 12, 1186-1194	5.5	25
5	Measurement of Diffusion Coefficients of Polymer Solutions Using the Ultracentrifuge. <i>Macromolecules</i> , 1979 , 12, 1194-1196	5.5	13
4	Glucose-based carbon electrode for trace-level detection of acetaminophen. <i>Electrochemical Science Advances</i> , e202100117		1
3	Competitive adsorption of phenol and toluene onto silica-supported transition metal clusters for biofuel purification. <i>Molecular Systems Design and Engineering</i> ,	4.6	3
2	Molecular Docking and Three-Dimensional Quantitative Structure-Activity Relationships for Antitubercular Pyrimidine Derivatives. <i>Polycyclic Aromatic Compounds</i> , 1-14	1.3	3
1	Efficient microwave-assisted production of furanics and hydrochar from bamboo (<i>Phyllostachys nigra Boryana</i>) in a biphasic reaction system: effect of inorganic salts. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2