

Alireza Khataee

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4632716/alireza-khataee-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

563 papers	22,943 citations	71 h-index	121 g-index
577 ext. papers	27,305 ext. citations	6.2 avg, IF	7.96 L-index

#	Paper	IF	Citations
563	A sensitive colorimetric/fluorimetric nanoprobe for detection of polyphenols using peroxidase-mimic plasma-modified MoO nanoparticles.. <i>Chemosphere</i> , 2022 , 295, 133747	8.4	2
562	A review of boron removal from aqueous solution using carbon-based materials: An assessment of health risks.. <i>Chemosphere</i> , 2022 , 293, 133587	8.4	0
561	Vanadium (V)-doped ZnFe layered double hydroxide for enhanced sonocatalytic degradation of pymetrozine. <i>Chemical Engineering Journal</i> , 2022 , 434, 134730	14.7	35
560	Different metal-doped ZnS quantum dots photocatalysts for enhancing the permeability and antifouling performances of polysulfone membranes with and without UV irradiation.. <i>Chemosphere</i> , 2022 , 294, 133705	8.4	3
559	Language of response surface methodology as an experimental strategy for electrochemical wastewater treatment process optimization 2022 , 57-92		0
558	Improving photocatalytic activity of the ZnS QDs via lanthanide doping and photosensitizing with GO and g-CN for degradation of an azo dye and bisphenol-A under visible light irradiation.. <i>Chemosphere</i> , 2022 , 133917	8.4	3
557	Cellulose acetate in fabrication of polymeric membranes: A review.. <i>Chemosphere</i> , 2022 , 295, 133914	8.4	11
556	Preparation of a surface modified fly ash-based geopolymer for removal of an anionic dye: Parameters and adsorption mechanism.. <i>Chemosphere</i> , 2022 , 295, 133870	8.4	3
555	Hydrogen production through methane reforming processes using promoted-Ni/mesoporous silica: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2022 , 107, 20-30	6.3	32
554	The effect of different types of AOPs supported by hydrogen peroxide on the decolorization of methylene blue and viscose fibers dyeing wastewater.. <i>Water Science and Technology</i> , 2022 , 85, 77-89	2.2	1
553	An Electrochemiluminescence Biosensor for the Detection of Alzheimer β Tau Protein Based on Gold Nanostar Decorated Carbon Nitride Nanosheets.. <i>Molecules</i> , 2022 , 27,	4.8	4
552	Layered double hydroxides for removing and recovering phosphate: Recent advances and future directions.. <i>Advances in Colloid and Interface Science</i> , 2022 , 300, 102598	14.3	4
551	A review on dendrimers in preparation and modification of membranes: progress, applications, and challenges. <i>Materials Today Chemistry</i> , 2022 , 23, 100683	6.2	4
550	Fabrication of PSf nanocomposite membranes incorporated with ZnFe layered double hydroxide for separation and antifouling aspects. <i>Separation and Purification Technology</i> , 2022 , 285, 120354	8.3	1
549	Development of MoS ₂ /O-MWCNTs/PES blended membrane for efficient removal of dyes, antibiotic, and protein. <i>Separation and Purification Technology</i> , 2022 , 280, 119822	8.3	46
548	Bimetallic Fe/Mn MOFs/MCD/AuNPs stabilized on MWCNTs for developing a label-free DNA-based genosensing bio-assay applied in the determination of Salmonella typhimurium in milk samples. <i>Chemosphere</i> , 2022 , 287, 132373	8.4	14
547	Graphene-based ZnCr layered double hydroxide nanocomposites as bactericidal agents with high sonophotocatalytic performances for degradation of rifampicin. <i>Chemosphere</i> , 2022 , 286, 131740	8.4	11

546	High-performance carbon black electrode for oxygen reduction reaction and oxidation of atrazine by electro-Fenton process. <i>Chemosphere</i> , 2022 , 287, 132370	8.4	7
545	Carbonaceous materials for removal and recovery of phosphate species: Limitations, successes and future improvement. <i>Chemosphere</i> , 2022 , 287, 132177	8.4	5
544	Interaction of bovine serum albumin with ellagic acid and urolithins A and B: Insights from surface plasmon resonance, fluorescence, and molecular docking techniques.. <i>Food and Chemical Toxicology</i> , 2022 , 162, 112913	4.7	1
543	Ultrasonic-assisted decoration of AgWO ₃ , AgI, and Ag nanoparticles over tubular g-CN: Plasmonic photocatalysts for impressive removal of tetracycline under visible light.. <i>Photochemical and Photobiological Sciences</i> , 2022 , 1	4.2	0
542	A theoretical investigation into the effects of functionalized graphene nanosheets on dimethyl sulfoxide separation.. <i>Chemosphere</i> , 2022 , 134183	8.4	1
541	Ultrasound-assisted catalytic activation of peroxydisulfate on Ti ₃ GeC ₂ MAX phase for efficient removal of hazardous pollutants. <i>Materials Today Chemistry</i> , 2022 , 24, 100818	6.2	6
540	Recent trends in application of nanoscale zero-valent metals and metal single atoms in membrane processes. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107457	6.8	3
539	Polyethersulfone ultrafiltration membranes incorporated with CeO ₂ /GO nanocomposite for enhanced fouling resistance and dye separation. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107533	6.8	2
538	Treatment of aquatic medium containing common and emerging contaminants using an aero-electrochemical process based on graphite cathode and three metal oxides alloy as anode: Central composite design and photo/sono-enhancement.. <i>Chemosphere</i> , 2022 , 134129	8.4	1
537	Recent progress on the phytotoxic effects of hydrochars and toxicity reduction approaches.. <i>Chemosphere</i> , 2022 , 298, 134357	8.4	0
536	Recent trends in layered double hydroxides based electrochemical and optical (bio)sensors for screening of emerging pharmaceutical compounds.. <i>Environmental Research</i> , 2022 , 211, 113068	7.9	2
535	An electrochemical sensor for detection of trace-level endocrine disruptor bisphenol A using MoTiAlC MAX phase/MWCNT composite modified electrode.. <i>Environmental Research</i> , 2022 , 113071	7.9	8
534	Sonochemical synthesis of photocatalysts and their applications. <i>Journal of Materials Science and Technology</i> , 2022 , 123, 243-256	9.1	4
533	Ultrasensitive electrochemical sensor for detection of rutin antioxidant by layered TiAlCuC MAX phase.. <i>Food and Chemical Toxicology</i> , 2022 , 113016	4.7	1
532	Electrochemical layered double hydroxide (LDH)-based biosensors for pesticides detection in food and environment samples: A review of status and prospects.. <i>Food and Chemical Toxicology</i> , 2022 , 113010	4.7	0
531	Boron carbon nitride nanosheets in water and wastewater treatment: A critical review. <i>Desalination</i> , 2022 , 533, 115782	10.3	1
530	Nanoarchitecturing TiO ₂ /NiCrO ₂ p-n heterojunction photocatalysts for visible-light-induced activation of persulfate to remove of tetracycline hydrochloride.. <i>Chemosphere</i> , 2022 , 134594	8.4	1
529	Arsenite (III) removal via manganese-decoration on cellulose nanocrystal -grafted polyethyleneimine nanocomposite.. <i>Chemosphere</i> , 2022 , 134925	8.4	0

528	Removal of antibiotics from wastewaters by membrane technology: Limitations, successes, and future improvements. <i>Science of the Total Environment</i> , 2022 , 156010	10.2	3
527	MOF-based sensor platforms for rapid detection of pesticides to maintain food quality and safety. <i>Food and Chemical Toxicology</i> , 2022 , 113176	4.7	1
526	Degradation of tetracycline antibiotic utilizing light driven-activated oxone in the presence of g-C ₃ N ₄ /ZnFe LDH binary heterojunction nanocomposite. <i>Chemosphere</i> , 2022 , 135201	8.4	0
525	Synthesis of flower-like MoS ₂ /CNTs nanocomposite as an efficient catalyst for the sonocatalytic degradation of hydroxychloroquine. <i>Ultrasonics Sonochemistry</i> , 2022 , 106058	8.9	1
524	Smart active-targeting of lipid-polymer hybrid nanoparticles for therapeutic applications: Recent advances and challenges. <i>International Journal of Biological Macromolecules</i> , 2022 , 213, 166-194	7.9	3
523	State-of-the-art progress of metal-organic framework-based electrochemical and optical sensing platforms for determination of bisphenol A as an endocrine disruptor. <i>Environmental Research</i> , 2022 , 212, 113536	7.9	0
522	Zinc-chromium layered double hydroxides anchored on carbon nanotube and biochar for ultrasound-assisted photocatalysis of rifampicin.. <i>Ultrasonics Sonochemistry</i> , 2021 , 82, 105875	8.9	2
521	An effective natural mineral-catalyzed heterogeneous electro-Fenton method for degradation of an antineoplastic drug: Modeling by a neural network. <i>Chemosphere</i> , 2021 , 291, 132810	8.4	1
520	Synergistic effect of freeze-drying and promoters on the catalytic performance of Ni/MgAl layered double hydroxide. <i>Fuel</i> , 2021 , 122620	7.1	21
519	FeCoZnO/CuCr-LDH as a visible-light-responsive photocatalyst for the degradation of caffeine, bisphenol A, and simazine in pure water and real wastewater under photo-Fenton-like degradation process. <i>Chemosphere</i> , 2021 , 291, 132920	8.4	1
518	Nanoarchitecturing Bimetallic Manganese Cobaltite Spinel for Sonocatalytic Degradation of Oxytetracycline. <i>Chemical Engineering Journal</i> , 2021 , 133851	14.7	7
517	Dual enzymes-mimic activity of nanolayered manganese-calcium oxide for fluorometric determination of metformin. <i>Chemosphere</i> , 2021 , 291, 133063	8.4	4
516	A green and sensitive guanine-based DNA biosensor for idarubicin anticancer monitoring in biological samples: A simple and fast strategy for control of health quality in chemotherapy procedure confirmed by docking investigation. <i>Chemosphere</i> , 2021 , 132928	8.4	82
515	How does arsenic speciation (arsenite and arsenate) in groundwater affect the performance of an aerated electrocoagulation reactor and human health risk?. <i>Science of the Total Environment</i> , 2021 , 808, 152135	10.2	0
514	The protective effect of natural phenolic compound on the functional and structural responses of inhibited catalase by a common azo food dye.. <i>Food and Chemical Toxicology</i> , 2021 , 160, 112801	4.7	1
513	Electrochemical removal of fluoxetine via three mixed metal oxide anodes and carbonaceous cathodes from contaminated water.. <i>Environmental Research</i> , 2021 , 207, 112641	7.9	2
512	Tungsten disulfide (WS ₂)/fluorescein ratiometric fluorescent probe for detection of cefixime residues in milk.. <i>Environmental Research</i> , 2021 , 205, 112512	7.9	2
511	State of the art on the ultrasonic-assisted removal of environmental pollutants using metal-organic frameworks. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127558	12.8	13

510	CoFeO nanoparticles decorated onto graphene oxide and graphitic carbon nitride layers as a separable catalyst for ultrasound-assisted photocatalytic degradation of Bisphenol-A. <i>Chemosphere</i> , 2021 , 132663	8.4	4
509	A PCR-free genosensing platform for detection of <i>Shigella dysenteriae</i> in human plasma samples by porous and honeycomb-like biochar decorated with ultrathin flower-like MoS nanosheets incorporated with Au nanoparticles. <i>Chemosphere</i> , 2021 , 288, 132531	8.4	10
508	The latest achievements in plant cellulose-based biomaterials for tissue engineering focusing on skin repair. <i>Chemosphere</i> , 2021 , 288, 132529	8.4	6
507	A global systematic review on the concentration of organophosphate esters in water resources: Meta-analysis, and probabilistic risk assessment. <i>Science of the Total Environment</i> , 2021 , 807, 150876	10.2	3
506	Frontiers in conventional and nanomaterials based electrochemical sensing and biosensing approaches for Ochratoxin A analysis in foodstuffs: A review. <i>Food and Chemical Toxicology</i> , 2021 , 149, 112030	4.7	25
505	Machine Learning for Advanced Design of Nanocomposite Ultrafiltration Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5236-5250	3.9	6
504	Synthesis of N-Doped Magnetic WO@Mesoporous Carbon Using a Diatom Template and Plasma Modification: Visible-Light-Driven Photocatalytic Activities. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 13072-13086	9.5	8
503	Introducing an effective iron-based catalyst for heterogeneous electro-Fenton removal of Gemcitabine using three-dimensional graphene as cathode. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 96, 254-268	6.3	6
502	Ultrasound-assisted synthesis of FeTiO ₃ /GO nanocomposite for photocatalytic degradation of phenol under visible light irradiation. <i>Separation and Purification Technology</i> , 2021 , 261, 118274	8.3	51
501	Ball-milled Cu ₂ S nanoparticles as an efficient additive for modification of the PVDF ultrafiltration membranes: Application to separation of protein and dyes. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105115	6.8	4
500	Towards Engineered Hydrochars: Application of Artificial Neural Networks in the Hydrothermal Carbonization of Sewage Sludge. <i>Energies</i> , 2021 , 14, 3000	3.1	3
499	Ion Selective Nanochannels: From Critical Principles to Sensing and Biosensing Applications. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000765	6.8	15
498	Ionic liquid-assisted synthesis of porous boron-doped graphitic carbon nitride for photocatalytic hydrogen production.. <i>Chemosphere</i> , 2021 , 272, 129953	8.4	18
497	COD removal from gasfield produced water using photoelectrocatalysis process on coil type microreactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 98, 262-269	6.3	4
496	Emerging electrochemical sensing and biosensing approaches for detection of Fumonisin in food samples. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-16	11.5	10
495	Ultrasensitive and label free electrochemical immunosensor for detection of ROR1 as an oncofetal biomarker using gold nanoparticles assisted LDH/rGO nanocomposite. <i>Scientific Reports</i> , 2021 , 11, 14924	4.9	6
494	Atomistic understanding of gas separation through nanoporous DDR-type zeolite membrane. <i>Chemical Physics</i> , 2021 , 540, 110985	2.3	5
493	A global systematic review, meta-analysis, and risk assessment of the concentration of vanadium in drinking water resources. <i>Chemosphere</i> , 2021 , 267, 128904	8.4	22

492	Gold nanostar-enhanced electrochemiluminescence immunosensor for highly sensitive detection of cancer stem cells using CD133 membrane biomarker. <i>Bioelectrochemistry</i> , 2021 , 137, 107633	5.6	9
491	Cubic cobalt and zinc co-doped magnetite nanoparticles for persulfate and hydrogen peroxide activation towards the effective photodegradation of Sulfalene. <i>Chemical Engineering Journal</i> , 2021 , 404, 126391	14.7	8
490	N-doped graphitic carbon as a nanoporous MOF-derived nanoarchitecture for the efficient sonocatalytic degradation process. <i>Separation and Purification Technology</i> , 2021 , 256, 117811	8.3	15
489	Photocatalytic-membrane technology: a critical review for membrane fouling mitigation. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 93, 101-116	6.3	43
488	Cr reductive transformation process by humic acid extracted from bog peat: Effect of variables and multi-response modeling. <i>Chemosphere</i> , 2021 , 263, 128221	8.4	1
487	Preparation of Fe@FeO/3D graphene composite cathode for electrochemical removal of sulfasalazine. <i>Chemosphere</i> , 2021 , 273, 128581	8.4	10
486	Enhancing the permeability and antifouling properties of cellulose acetate ultrafiltration membrane by incorporation of ZnO@graphitic carbon nitride nanocomposite. <i>Carbohydrate Polymers</i> , 2021 , 256, 117413	10.3	24
485	Multi-anthracene containing fluorescent probe for spectrofluorimetric iron determination in environmental water samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 248, 119250	4.4	6
484	Preparation of chitosan modified montmorillonite biocomposite for sonocatalysis of dyes: Parameters and degradation mechanism. <i>Materials Chemistry and Physics</i> , 2021 , 260, 124125	4.4	13
483	Synthesis of copper (I, II) oxides/hydrochar nanocomposites for the efficient sonocatalytic degradation of organic contaminants. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 95, 73-82	6.3	4
482	A review on treatment of membrane concentrates generated from landfill leachate treatment processes. <i>Separation and Purification Technology</i> , 2021 , 259, 118182	8.3	31
481	A review on in vivo and in vitro nanotoxicological studies in plants: A headlight for future targets. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111697	7	20
480	Toxicity evaluation of bulk and nanosheet MoS catalysts using battery bioassays. <i>Chemosphere</i> , 2021 , 268, 128822	8.4	7
479	Comparative investigation on catalytic ozonation of Fluoxetine antidepressant drug in the presence of boehmite and alumina nanocatalysts: operational parameters, kinetics and degradation mechanism studies. <i>Chemical Papers</i> , 2021 , 75, 421-430	1.9	3
478	Toxicity of Zn-Fe Layered Double Hydroxide to Different Organisms in the Aquatic Environment. <i>Molecules</i> , 2021 , 26,	4.8	3
477	Patulin and Trichothecene: characteristics, occurrence, toxic effects and detection capabilities via clinical, analytical and nanostructured electrochemical sensing/biosensing assays in foodstuffs. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-29	11.5	8
476	A novel engineered label-free Zn-based MOF/CMC/AuNPs electrochemical genosensor for highly sensitive determination of Haemophilus Influenzae in human plasma samples. <i>Mikrochimica Acta</i> , 2021 , 188, 100	5.8	22
475	Scaling-up of microbial electrosynthesis with multiple electrodes for production of hydrogen peroxide. <i>IScience</i> , 2021 , 24, 102094	6.1	11

474	Chromium and cerium co-doped magnetite/reduced graphene oxide nanocomposite as a potent antibacterial agent against <i>S. aureus</i> . <i>Chemosphere</i> , 2021 , 274, 129988	8.4	2
473	Development of a cellulose-based scaffold for sustained delivery of curcumin. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 132-144	7.9	4
472	Amine-functionalized Zr-MOF/CNTs nanocomposite as an efficient and reusable photocatalyst for removing organic contaminants. <i>Journal of Molecular Liquids</i> , 2021 , 334, 116129	6	19
471	Recent advances in the application of nanomaterials for the remediation of arsenic-contaminated water and soil. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105533	6.8	12
470	Photocatalytic performance of a nickel ferrite/chitosan/bismuth(III) oxyiodide nanocomposite for metronidazole degradation under simulated sunlight illumination. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105619	6.8	5
469	Stabilization of chromium(VI) by hydroxysulfate green rust in chromium(VI)-contaminated soils. <i>Pedosphere</i> , 2021 , 31, 645-657	5	3
468	The used automobile catalytic converter as an efficient catalyst for removal of malathion through wet air oxidation process. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	5
467	Using BCN nanostructure as anode electrode for photoelectrocatalytic degradation of organics: a statistical approach 2021 , 70, 856-867		0
466	Modification of EPVC membranes by incorporating tungsten trioxide (WO ₃) nanosheets to improve antifouling and dye separation properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 104, 186-186	6.3	2
465	Carboxymethyl cellulose/polyethersulfone thin-film composite membranes for low-pressure desalination. <i>Separation and Purification Technology</i> , 2021 , 269, 118720	8.3	6
464	Nickel-based nanocatalysts promoted over MgO-modified SBA-16 for dry reforming of methane for syngas production: Impact of support and promoters. <i>Journal of the Energy Institute</i> , 2021 , 97, 100-108	5.7	11
463	Machine learning for design of thin-film nanocomposite membranes. <i>Separation and Purification Technology</i> , 2021 , 270, 118383	8.3	6
462	Ultrasonic assisted photocatalytic process for degradation of ciprofloxacin using TiO ₂ -Pd nanocomposite immobilized on pumice stone. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 104, 582-582	6.3	4
461	Recent advances in the highly sensitive determination of zearalenone residues in water and environmental resources with electrochemical biosensors. <i>Environmental Research</i> , 2021 , 204, 112082	7.9	37
460	Synthesis of a magnetically separable LDH-based S-scheme nano-heterojunction for the activation of peroxymonosulfate towards the efficient visible-light photodegradation of diethyl phthalate. <i>Applied Surface Science</i> , 2021 , 559, 149906	6.7	6
459	Layer double hydroxides (LDHs)- based electrochemical and optical sensing assessments for quantification and identification of heavy metals in water and environment samples: A review of status and prospects. <i>Trends in Environmental Analytical Chemistry</i> , 2021 , 31, e00139	12	22
458	A facile and synergetic strategy for electrochemical sensing of rutin antioxidant by Ce ^{III} doped magnetite@rGO. <i>Materials Chemistry and Physics</i> , 2021 , 275, 125298	4.4	6
457	The removal of nitrogen monoxide from polluted air using CHA- and DDR-type zeolite membranes: Insights from molecular simulations. <i>Materials Today Communications</i> , 2021 , 28, 102651	2.5	2

456	Synergistic effect for efficient oxidization of refractory organics with high chroma by an innovative persulfate assisted microbial electrolysis ultraviolet cell. <i>Chemical Engineering Journal</i> , 2021 , 419, 12947-12957	14.7	3
455	The concentration of persistent organic pollutants in water resources: A global systematic review, meta-analysis and probabilistic risk assessment. <i>Science of the Total Environment</i> , 2021 , 796, 149000	10.2	22
454	Nanoarchitecturing hybridized metal-organic framework/graphene nanosheet for removal of an organic pollutant. <i>Journal of Molecular Liquids</i> , 2021 , 341, 117323	6	1
453	Hybrid metal and non-metal activation of Oxone by magnetite nanostructures co-immobilized with nano-carbon black to degrade tetracycline: Fenton and electrochemical enhancement with bio-assay. <i>Separation and Purification Technology</i> , 2021 , 274, 119055	8.3	3
452	Development of dipodal fluorescence sensor of iron for real samples based on pyrene modified anthracene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 261, 120017	4.4	8
451	Bioconcentration of heavy metals by three plant species growing in Golmarz wetland, in northwestern Iran: The plants antioxidant responses to metal pollutions. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101804	7	4
450	Anti-coking freeze-dried NiMgAl catalysts for dry and steam reforming of methane. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 103, 187-194	6.3	5
449	A ratiometric fluorescent probe based on carbon dots and gold nanocluster encapsulated metal-organic framework for detection of cephalixin residues in milk. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 262, 120089	4.4	16
448	Hard-templated metal-organic frameworks for advanced applications. <i>Chemical Society Reviews</i> , 2021 , 50, 2927-2953	58.5	61
447	Treatment of coking wastewater by aeration assisted electrochemical oxidation process at controlled and uncontrolled initial pH conditions. <i>Separation and Purification Technology</i> , 2020 , 248, 117043	8.3	16
446	SPR enhanced DNA biosensor for sensitive detection of donkey meat adulteration. <i>Food Chemistry</i> , 2020 , 331, 127163	8.5	19
445	Photocatalytic ozonation process for degradation of an anthelmintic drug using ceramic coated TiO ₂ NPs: CFD simulation coupling with kinetic mechanisms. <i>Chemical Engineering Research and Design</i> , 2020 , 141, 37-48	5.5	7
444	Ionic liquid assisted preparation of phosphorus-doped g-C ₃ N ₄ photocatalyst for decomposition of emerging water pollutants. <i>Materials Chemistry and Physics</i> , 2020 , 253, 123322	4.4	13
443	Sonophotocatalytic activities of FeCuMg and CrCuMg LDHs: Influencing factors, antibacterial effects, and intermediate determination. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123062	12.8	48
442	Degradation of thiocyanate by electrochemical oxidation process in coke oven wastewater: Role of operative parameters and mechanistic study. <i>Chemosphere</i> , 2020 , 255, 127014	8.4	16
441	Kinetic characterization of hexavalent chromium stabilization in contaminated soils amended with cocopeat. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	
440	Ultrasensitive detection of rutin antioxidant through a magnetic micro-mesoporous graphitized carbon wrapped Co nanoarchitecture. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127939	8.5	30
439	Separation of noble gases using CHA-type zeolite membrane: insights from molecular dynamics simulation. <i>Chemical Papers</i> , 2020 , 74, 3057-3065	1.9	10

438	Synthesis of a high-performance Z-scheme 2D/2D WO ₃ @CoFe-LDH nanocomposite for the synchronic degradation of the mixture azo dyes by sonocatalytic ozonation process. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 89, 301-315	6.3	27
437	Comparative study of modified Ni catalysts over mesoporous CaO-Al ₂ O ₃ support for CO ₂ /methane reforming. <i>Catalysis Communications</i> , 2020 , 145, 106100	3.2	14
436	Samarium-impregnated nickel catalysts over SBA-15 in steam reforming of CH ₄ process. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 86, 73-80	6.3	35
435	Environmentally superior cleaning of diatom frustules using sono-Fenton process: Facile fabrication of nanoporous silica with homogeneous morphology and controlled size. <i>Ultrasonics Sonochemistry</i> , 2020 , 64, 105044	8.9	12
434	Biogenic integrated ZnO/Ag nanocomposite: Surface analysis and in vivo practices for the management of type 1 diabetes complications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 189, 110878	6	7
433	Incorporating of gold nanoclusters into metal-organic frameworks for highly sensitive detection of 3-nitrotyrosine as an oxidative stress biomarker. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 391, 112370	4.7	12
432	Differential effects of N-TiO nanoparticle and its photo-activated form on autophagy and necroptosis in human melanoma A375 cells. <i>Journal of Cellular Physiology</i> , 2020 , 235, 8246-8259	7	18
431	ZnFe-LDH/GO nanocomposite coated on the glass support as a highly efficient catalyst for visible light photodegradation of an emerging pollutant. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112532	6	46
430	Systematic activation of potassium peroxydisulfate with ZIF-8 via sono-assisted catalytic process: Mechanism and ecotoxicological analysis. <i>Journal of Molecular Liquids</i> , 2020 , 308, 113018	6	57
429	Ultrasound-engineered synthesis of WS@CeO heterostructure for sonocatalytic degradation of tylosin. <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 105114	8.9	18
428	In-situ electro-generation and activation of hydrogen peroxide using a CuFeNLDH-CNTs modified graphite cathode for degradation of cefazolin. <i>Journal of Environmental Management</i> , 2020 , 267, 110629	7.9	116
427	Peroxydisulfate activation by in-situ synthesized Fe ₃ O ₄ nanoparticles for degradation of atrazine: Performance and mechanism. <i>Separation and Purification Technology</i> , 2020 , 247, 116925	8.3	13
426	Cerium doped magnetite nanoparticles for highly sensitive detection of metronidazole via chemiluminescence assay. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 234, 118272	4.4	106
425	Promoted nickel-based catalysts on modified mesoporous silica support: The role of yttria and magnesia on CO ₂ methanation. <i>Microporous and Mesoporous Materials</i> , 2020 , 306, 110455	5.3	23
424	Computational study on the removal of trihalomethanes from water using functionalized graphene oxide membranes. <i>Chemical Physics</i> , 2020 , 531, 110589	2.3	7
423	A review on two-dimensional metal oxide and metal hydroxide nanosheets for modification of polymeric membranes. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 82, 31-41	6.3	35
422	A review on decontamination of arsenic-contained water by electrocoagulation: Reactor configurations and operating cost along with removal mechanisms. <i>Environmental Technology and Innovation</i> , 2020 , 17, 100519	7	86
421	The key role of free radicals generated from activation of H ₂ O ₂ , S ₂ O ₈ ²⁻ and ozone over chromium/cerium co-doped magnetite nanoparticles. <i>Separation and Purification Technology</i> , 2020 , 239, 116538	8.3	9

420	Modeling the Interfacial Tension of Water-Based Binary and Ternary Systems at High Pressures Using a Neuro-Evolute Technique. <i>ACS Omega</i> , 2020 , 5, 781-790	3.9	12
419	Detection of penicillin G residues in milk based on dual-emission carbon dots and molecularly imprinted polymers. <i>Food Chemistry</i> , 2020 , 314, 126172	8.5	67
418	Separation of methane from different gas mixtures using modified silicon carbide nanosheet: Micro and macro scale numerical studies. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 1268-1276	3.2	3
417	Integration of Polydopamine and Fe ₃ O ₄ Nanoparticles with Graphene Oxide to Fabricate an Efficient Recoverable Catalyst for the Degradation of Sulfadiazine. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 183-193	3.9	12
416	Preparation of a fly ash-based geopolymer for removal of a cationic dye: Isothermal, kinetic and thermodynamic studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 83, 53-63	6.3	21
415	Development of mixed matrix ZIF-8/polyvinylidene fluoride membrane with improved performance in solvent resistant nanofiltration. <i>Separation and Purification Technology</i> , 2020 , 237, 116358	8.3	30
414	Polyhydroxyalkanoates (PHA): From production to nanoarchitecture. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 596-619	7.9	56
413	Modification of polyethersulfone ultrafiltration membrane using ultrasonic-assisted functionalized MoS ₂ for treatment of oil refinery wastewater. <i>Separation and Purification Technology</i> , 2020 , 238, 116495	8.3	29
412	Pollutants degradation and power generation by photocatalytic fuel cells: A comprehensive review. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 8458-8480	5.9	31
411	Immobilization of Cr(VI) in soil through injection of nanoscale FeII-AlIII LDH suspension into the soil column. <i>Geoderma</i> , 2020 , 380, 114648	6.7	3
410	Activation of peroxymonosulfate using carbon black nano-spheres/calcium alginate hydrogel matrix for degradation of acetaminophen: Fe ₃ O ₄ co-immobilization and microbial community response. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 91, 240-251	6.3	21
409	Application of molecularly imprinted polymers and dual-emission carbon dots hybrid for ratiometric determination of chloramphenicol in milk. <i>Food and Chemical Toxicology</i> , 2020 , 146, 111806	4.7	14
408	Photocatalytic degradation of antibiotic and hydrogen production using diatom-templated 3D WO ₃ -x@mesoporous carbon nanohybrid under visible light irradiation. <i>Journal of Cleaner Production</i> , 2020 , 275, 124157	10.3	10
407	Facile synthesis of yttria-promoted nickel catalysts supported on MgO-MCM-41 for syngas production from greenhouse gases. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 134, 110130	16.2	40
406	Comparative study of sonocatalytic process using MOF-5 and peroxydisulfate by central composite design and artificial neural network. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113801	6	9
405	Ratiometric visual detection of tetracycline residues in milk by framework-enhanced fluorescence of gold and copper nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 242, 118715	4.4	19
404	Pesticide decontamination using UV/ferrous-activated persulfate with the aid neuro-fuzzy modeling: A case study of Malathion. <i>Food Research International</i> , 2020 , 137, 109557	7	40
403	Scrutinizing the vital role of various ultraviolet irradiations on the comparative photocatalytic ozonation of albendazole and metronidazole: Integration and synergistic reactions mechanism. <i>Journal of Environmental Management</i> , 2020 , 272, 111044	7.9	5

402	Effects of phosphate loaded LDH-biochar/hydrochar on maize dry matter and P uptake in a calcareous soil. <i>Archives of Agronomy and Soil Science</i> , 2020 , 1-16	2	3
401	Design of novel anthracene-based fluorescence sensor for sensitive and selective determination of iron in real samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 402, 112819	4.7	26
400	The effect of different solvents on the morphology and performance of the ZIF-8 modified PVDF ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2020 , 253, 117548	8.3	14
399	Hydrochars as Emerging Biofuels: Recent Advances and Application of Artificial Neural Networks for the Prediction of Heating Values. <i>Energies</i> , 2020 , 13, 4572	3.1	8
398	Design of 2D/2D NiO/g-C ₃ N ₄ heterojunction photocatalysts for degradation of an emerging pollutant. <i>Research on Chemical Intermediates</i> , 2020 , 46, 5281-5295	2.8	21
397	Facile hydrothermal synthesis of novel Fe-Cu layered double hydroxide/biochar nanocomposite with enhanced sonocatalytic activity for degradation of cefazolin sodium. <i>Journal of Hazardous Materials</i> , 2020 , 381, 120742	12.8	114
396	Synthesis of PANi nanoarrays anchored on 2D BiOCl nanoplates for photodegradation of Congo Red in visible light region. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 81, 228-236	6.3	11
395	Ultrasonic-assisted degradation of a triarylmethane dye using combined peroxydisulfate and MOF-2 catalyst: Synergistic effect and role of oxidative species. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111838	6	26
394	Scalable fabrication of tunable titanium nanotubes via sonoelectrochemical process for biomedical applications. <i>Ultrasonics Sonochemistry</i> , 2020 , 64, 104783	8.9	27
393	Sonochemical synthesis and structural characterization of an organic-inorganic nanohybrid based on a copper-dithiocarbamate complex and PMoO polyanion as a novel sonocatalyst. <i>Ultrasonics Sonochemistry</i> , 2020 , 64, 104727	8.9	6
392	Molecular dynamics simulation of water purification using zeolite MFI nanosheets. <i>Separation and Purification Technology</i> , 2020 , 234, 116080	8.3	21
391	Photocatalytic degradation of gemifloxacin antibiotic using Zn-Co-LDH@biochar nanocomposite. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121070	12.8	148
390	Service life and stability of electrodes applied in electrochemical advanced oxidation processes: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 87, 18-39	6.3	63
389	Sonophotocatalytic degradation of sulfadiazine by integration of microfibrillated carboxymethyl cellulose with Zn-Cu-Mg mixed metal hydroxide/g-C ₃ N ₄ composite. <i>Separation and Purification Technology</i> , 2020 , 245, 116866	8.3	20
388	Eu-doped ZnO nanoparticles: Sonochemical synthesis, characterization, and sonocatalytic application. <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 102822	8.9	22
387	Cu ₂ O-CuO@biochar composite: Synthesis, characterization and its efficient photocatalytic performance. <i>Applied Surface Science</i> , 2019 , 498, 143846	6.7	35
386	Two-electron oxygen reduction on fullerene C-carbon nanotubes covalent hybrid as a metal-free electrocatalyst. <i>Scientific Reports</i> , 2019 , 9, 13780	4.9	20
385	Removal of nalidixic acid from aqueous solutions using a cathode containing three-dimensional graphene. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100978	6.7	18

384	Evaluating the Toxic Impacts of Cadmium Selenide Nanoparticles on the Aquatic Plant Lemna minor. <i>Molecules</i> , 2019 , 24,	4.8	21
383	Modification of Immobilized Titanium Dioxide Nanostructures by Argon Plasma for Photocatalytic Removal of Organic Dyes. <i>Molecules</i> , 2019 , 24,	4.8	13
382	Zirconium based porous coordination polymer (PCP) bearing organocatalytic ligand: A promising dual catalytic center for ultrasonic heterocycle synthesis. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104653	8.9	32
381	A review on the applications of ultrasonic technology in membrane bioreactors. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104633	8.9	130
380	Enriched zinc oxide nanoparticles by Nasturtium officinale leaf extract: Joint ultrasound-microwave-facilitated synthesis, characterization, and implementation for diabetes control and bacterial inhibition. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104613	8.9	30
379	Facile surface modification of immobilized rutile nanoparticles by non-thermal glow discharge plasma: Effect of treatment gases on photocatalytic process. <i>Applied Surface Science</i> , 2019 , 490, 266-277	6.7	21
378	Fabrication of ZnFe-layered double hydroxides with graphene oxide for efficient visible light photocatalytic performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 101, 186-203	5.3	46
377	Hierarchically structured ternary heterojunctions based on Ce/ Ce modified FeO nanoparticles anchored onto graphene oxide sheets as magnetic visible-light-active photocatalysts for decontamination of oxytetracycline. <i>Journal of Hazardous Materials</i> , 2019 , 376, 200-211	12.8	201
376	Application of surface molecular imprinted magnetic graphene oxide and high performance mimetic behavior of bi-metal ZnCo MOF for determination of atropine in human serum. <i>Talanta</i> , 2019 , 201, 286-294	6.2	32
375	Degradation of diazinon pesticide using catalyzed persulfate with Fe ₃ O ₄ @MOF-2 nanocomposite under ultrasound irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 77, 280-290	6.3	57
374	Sonocatalytic activity of biochar-supported ZnO nanorods in degradation of gemifloxacin: Synergy study, effect of parameters and phytotoxicity evaluation. <i>Ultrasonics Sonochemistry</i> , 2019 , 55, 44-56	8.9	133
373	Synthesis and application of novel 1,2,3-triazolylferrocene-containing ionic liquid supported on Fe ₃ O ₄ nanocatalyst in the synthesis of new pyran-substituted Betti bases. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4701	3.1	11
372	An innovative combination of electrochemical and photocatalytic processes for decontamination of bisphenol A endocrine disruptor from aquatic phase: Insight into mechanism, enhancers and bio-toxicity assay. <i>Separation and Purification Technology</i> , 2019 , 220, 42-51	8.3	18
371	A facile ultrasonic-aided biosynthesis of ZnO nanoparticles using Vaccinium arctostaphylos L. leaf extract and its antidiabetic, antibacterial, and oxidative activity evaluation. <i>Ultrasonics Sonochemistry</i> , 2019 , 55, 57-66	8.9	36
370	Combination of air-dispersion cathode with sacrificial iron anode generating Fe ²⁺ +Fe ³⁺ +2O ₄ nanostructures to degrade paracetamol under ultrasonic irradiation. <i>Journal of Molecular Liquids</i> , 2019 , 284, 536-546	6	47
369	Two-electron oxygen reduction on NiFe alloy enclosed carbonic nanolayers derived from NiFe-metal-organic frameworks. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 840, 449-455	4.1	4
368	Synthesis of magnetically reusable Fe ₃ O ₄ nanospheres-N, S co-doped graphene quantum dots enclosed CdSe its application as a photocatalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 75, 230-237	6.3	5
367	Taguchi design for optimization of structural and mechanical properties of hydroxyapatite-alumina-titanium nanocomposite. <i>Ceramics International</i> , 2019 , 45, 10097-10105	5.1	13

366	A Chemiluminescent Method for the Detection of H ₂ O ₂ and Glucose Based on Intrinsic Peroxidase-Like Activity of WSL Quantum Dots. <i>Molecules</i> , 2019 , 24, 4.8 60
365	Simultaneous elimination of two species of algae from a contaminated water through ozonation process: mechanism and destruction intermediates. <i>Ozone: Science and Engineering</i> , 2019 , 41, 35-45 2.4 5
364	Keggin-type polyoxometalates supported on PANI-coated CuS: Synthesis, characterization and application as the efficient adsorbents for selective dye removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 205-216 6.3 10
363	TiO ₂ nanoparticles with superior hydrogen evolution and pollutant degradation performance. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 24162-24173 6.7 8
362	Band gap tunability and structural stability of metal/nonmetal codoped group-IV tin nanotubes: Effect of spin-orbit coupling. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 114, 113644 ³ 6
361	Template-free microspheres decorated with Cu-Fe-NLDH for catalytic removal of gentamicin in heterogeneous electro-Fenton process. <i>Journal of Environmental Management</i> , 2019 , 248, 109236 7.9 24
360	Application of immobilized ZnO nanoparticles for the photocatalytic regeneration of ultrasound pretreated-granular activated carbon. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104685 8.9 8
359	A review on carbon-based materials for heterogeneous sonocatalysis: Fundamentals, properties and applications. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104681 8.9 51
358	Stone cutting industry waste-supported zinc oxide nanostructures for ultrasonic assisted decomposition of an anti-inflammatory non-steroidal pharmaceutical compound. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104669 8.9 31
357	High-flux PVDF mixed matrix membranes embedded with size-controlled ZIF-8 nanoparticles. <i>Separation and Purification Technology</i> , 2019 , 229, 115838 8.3 46
356	Fabrication of NiFe layered double hydroxide/reduced graphene oxide (NiFe-LDH/rGO) nanocomposite with enhanced sonophotocatalytic activity for the degradation of moxifloxacin. <i>Chemical Engineering Journal</i> , 2019 , 375, 122102 14.7 97
355	Mechanical production and sonocatalytic application of Cu ₂ S nanoparticles for degradation of isopropylxanthic acid: Kinetic modeling via white and black box methods. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110899 6 6
354	Dual-colored carbon dot encapsulated metal-organic framework for ratiometric detection of glutathione. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126775 8.5 51
353	Toxicity of cadmium selenide nanoparticles on the green microalga <i>Chlorella vulgaris</i> : inducing antioxidative defense response. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 36380-36387 5.1 5
352	Effect of different additives on the physicochemical properties and performance of NLDH/PVDF nanocomposite membrane. <i>Separation and Purification Technology</i> , 2019 , 209, 921-935 8.3 29
351	N, S co-doped graphene quantum dot decorated Fe ₃ O ₄ nanostructures: Preparation, characterization and catalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 127, 140-150 3.9 29
350	Heterogeneous Fenton reaction for elimination of Acid Yellow 36 in both fluidized-bed and stirred-tank reactors: Computational fluid dynamics versus experiments. <i>Water Research</i> , 2019 , 151, 203-214 ^{12.5} 28
349	Two-stage phase separation of cellulose acetate membranes modified with plasma-treated natural zeolite: Response surface modeling. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 889-901 3.2 5

348	Highly sensitive chemiluminescence sensing system for organophosphates using mimic LDH supported ZIF-8 nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 220-227	8.5	35
347	Graphene-Based Materials for Water Purification 2019 , 383-430		5
346	Continuous degradation of an organic pollutant using heterogeneous magnetic biocatalyst and CFD analysis of the process. <i>Chemical Engineering Research and Design</i> , 2019 , 121, 338-348	5.5	11
345	Synthesis of g-CN@CuMOFs nanocomposite with superior peroxidase mimetic activity for the fluorometric measurement of glucose. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 213, 28-36	4.4	21
344	Contra-diffusion synthesis of ZIF-8 layer on polyvinylidene fluoride ultrafiltration membranes for improved water purification. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 73, 95-105	6.3	51
343	Sensitive biosensing of organophosphate pesticides using enzyme mimics of magnetic ZIF-8. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 209, 118-125	4.4	57
342	Separation of perchlorates from aqueous solution using functionalized graphene oxide nanosheets: a computational study. <i>Journal of Materials Science</i> , 2019 , 54, 2289-2299	4.3	13
341	Synthesis and characterization of gold nanoparticles using <i>Hypericum perforatum</i> and <i>Nettle</i> aqueous extracts: A comparison with turkevich method. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 508-517	2.5	9
340	Fe ₃ O ₄ @SiO ₂ -BenzIm-Fc[Cl]/ZnCl ₂ : a novel and efficient nano-catalyst for the one-pot three-component synthesis of pyran annulated bis-heterocyclic scaffolds under ultrasound irradiation. <i>Research on Chemical Intermediates</i> , 2019 , 45, 1841-1862	2.8	20
339	Degradation of Fluoxetine using catalytic ozonation in aqueous media in the presence of nano-TiO ₂ catalyst: Experimental, modeling and optimization study. <i>Separation and Purification Technology</i> , 2019 , 211, 551-563	8.3	33
338	Improved peroxidase mimetic activity of a mixture of WS nanosheets and silver nanoclusters for chemiluminescent quantification of HO and glucose. <i>Mikrochimica Acta</i> , 2018 , 185, 190	5.8	28
337	Photocatalytic ozonation of ciprofloxacin from aqueous solution using TiO ₂ /MMT nanocomposite: Nonlinear modeling and optimization of the process via artificial neural network integrated genetic algorithm. <i>Chemical Engineering Research and Design</i> , 2018 , 116, 365-376	5.5	53
336	Sonocatalytic performance of magnetically separable CuS/CoFeO nanohybrid for efficient degradation of organic dyes. <i>Ultrasonics Sonochemistry</i> , 2018 , 44, 359-367	8.9	48
335	Hybrid sonocatalysis/electrolysis process for intensified decomposition of amoxicillin in aqueous solution in the presence of magnesium oxide nanocatalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 64, 373-382	6.3	25
334	Comparison of ball milling-hydrothermal and hydrothermal methods for synthesis of ZnO nanostructures and evaluation of their photocatalytic performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 62, 265-272	6.3	41
333	Preparation of magnetite nanoparticles by high-energy planetary ball mill and its application for ciprofloxacin degradation through heterogeneous Fenton process. <i>Journal of Environmental Management</i> , 2018 , 211, 53-62	7.9	63
332	Modeling of heterogeneous Fenton process for dye degradation in a fluidized-bed reactor: Kinetics and mass transfer. <i>Journal of Cleaner Production</i> , 2018 , 182, 644-653	10.3	31
331	Photo-assisted electrochemical abatement of trifluralin using a cathode containing a C-carbon nanotubes composite. <i>Chemosphere</i> , 2018 , 199, 510-523	8.4	20

330	Degradation of sodium isopropyl xanthate from aqueous solution using sonocatalytic process in the presence of chalcocite nanoparticles: Insights into the degradation mechanism and phyto-toxicity impacts. <i>Journal of Environmental Management</i> , 2018 , 211, 225-237	7.9	24
329	Synthesis and sonocatalytic performance of a ternary magnetic MIL-101(Cr)/RGO/ZnFeO nanocomposite for degradation of dye pollutants. <i>Ultrasonics Sonochemistry</i> , 2018 , 42, 647-658	8.9	59
328	Encapsulated cholesterol oxidase in metal-organic framework and biomimetic Ag nanocluster decorated MoS ₂ nanosheets for sensitive detection of cholesterol. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 402-410	8.5	49
327	Superior peroxidase mimetic activity of tungsten disulfide nanosheets/silver nanoclusters composite: Colorimetric, fluorometric and electrochemical studies. <i>Journal of Colloid and Interface Science</i> , 2018 , 515, 39-49	9.3	28
326	Antifouling polyvinylidene fluoride ultrafiltration membrane fabricated from embedding polypyrrole coated multiwalled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2018 , 89, 41-51	8.3	45
325	Removal of diatom <i>Nitzschia</i> sp. cells via ozonation process catalyzed by martite nanoparticles. <i>Journal of Cleaner Production</i> , 2018 , 186, 475-489	10.3	5
324	Ultrasonically facilitated adsorption of an azo dye onto nanostructures obtained from cellulosic wastes of broom and cooler straw. <i>Journal of Colloid and Interface Science</i> , 2018 , 522, 228-241	9.3	45
323	Effects of TiO ₂ nanoparticles on the aquatic plant <i>Spirodela polyrrhiza</i> : Evaluation of growth parameters, pigment contents and antioxidant enzyme activities. <i>Journal of Environmental Sciences</i> , 2018 , 64, 130-138	6.4	59
322	Semi-pilot scale fluidized bed reactor for removal of a textile dye through heterogeneous Fenton process using natural pyrite. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 289-300	3.3	4
321	Heterogeneous sonocatalytic degradation of anazoline sodium by synthesized dysprosium doped CdSe nanostructures. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 361-372	8.9	33
320	Graphene quantum dots/bisulfite assisted chemiluminescence of rhodamine B-H ₂ O ₂ system for sensitive recognition of HCHO. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 402-410	8.5	10
319	Cerium-substituted magnetite: Fabrication, characterization and sonocatalytic activity assessment. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 626-640	8.9	30
318	Preparation of novel CeO ₂ -biochar nanocomposite for sonocatalytic degradation of a textile dye. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 503-513	8.9	54
317	Ultrasensitive chemiluminescent biosensor for the detection of cholesterol based on synergetic peroxidase-like activity of MoS ₂ and graphene quantum dots. <i>Talanta</i> , 2018 , 178, 992-1000	6.2	63
316	Comprehensive study on the influence of molybdenum substitution on characteristics and catalytic performance of magnetite nanoparticles. <i>Research on Chemical Intermediates</i> , 2018 , 44, 883-900	2.8	14
315	Visual detection of peroxide-based explosives using novel mimetic Ag nanoparticle/ZnMOF nanocomposite. <i>Journal of Hazardous Materials</i> , 2018 , 360, 233-242	12.8	34
314	Synthesis of ZrO ₂ nanoparticles on pumice and tuff for sonocatalytic degradation of rifampin. <i>Ultrasonics Sonochemistry</i> , 2018 , 48, 349-361	8.9	38
313	Implementation of martite nanoparticles prepared through planetary ball milling as a heterogeneous activator of oxone for degradation of tetracycline antibiotic: Ultrasound and peroxy-enhancement. <i>Chemosphere</i> , 2018 , 210, 699-708	8.4	40

312	Toxicity of ZnSe nanoparticles to <i>Lemna minor</i> : Evaluation of biological responses. <i>Journal of Environmental Management</i> , 2018 , 226, 298-307	7.9	13
311	Specific quantification of atropine using molecularly imprinted polymer on graphene quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 205, 614-621	4.4	20
310	Synthesis of pumice-TiO ₂ nanoflakes for sonocatalytic degradation of famotidine. <i>Journal of Cleaner Production</i> , 2018 , 202, 853-862	10.3	24
309	Sonochemical synthesis of WS nanosheets and its application in sonocatalytic removal of organic dyes from water solution. <i>Ultrasonics Sonochemistry</i> , 2018 , 48, 329-339	8.9	67
308	Aluminum(III) triggered aggregation-induced emission of glutathione-capped copper nanoclusters as a fluorescent probe for creatinine. <i>Mikrochimica Acta</i> , 2018 , 186, 29	5.8	40
307	Preparation of martite nanoparticles through high-energy planetary ball milling and its application toward simultaneous catalytic ozonation of two green algae. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 82, 80-91	5.3	12
306	Enhanced removal of basic violet 10 by heterogeneous sono-Fenton process using magnetite nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2018 , 42, 390-402	8.9	52
305	Removal of chromate from aqueous solution by reduction with nanoscale Fe ⁰ /Al layered double hydroxide. <i>Research on Chemical Intermediates</i> , 2018 , 44, 2319-2331	2.8	7
304	Mimetic Ag nanoparticle/Zn-based MOF nanocomposite (AgNPs@ZnMOF) capped with molecularly imprinted polymer for the selective detection of patulin. <i>Talanta</i> , 2018 , 179, 710-718	6.2	91
303	Computational study on the efficiency of MoS ₂ membrane for removing arsenic from contaminated water. <i>Journal of Molecular Liquids</i> , 2018 , 249, 110-116	6	32
302	ZnFe-Cl nanolayered double hydroxide as a novel catalyst for sonocatalytic degradation of an organic dye. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 703-713	8.9	37
301	Copper ferrite nanoparticles supported on MIL-101/reduced graphene oxide as an efficient and recyclable sonocatalyst. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 674-685	5.3	20
300	Implementation of magnetic Fe ₃ O ₄ @ZIF-8 nanocomposite to activate sodium percarbonate for highly effective degradation of organic compound in aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 406-415	6.3	30
299	Separation of CH ₄ /C ₂ H ₆ Mixture Using Functionalized Nanoporous Silicon Carbide Nanosheet. <i>Energy & Fuels</i> , 2018 , 32, 7508-7518	4.1	6
298	MoS ₂ nanosheet as a promising nanostructure membrane for gas separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 66, 269-278	6.3	15
297	Synergistic enhancement in photocatalytic performance of Ce (IV) and Cr (III) co-substituted magnetite nanoparticles loaded on reduced graphene oxide sheets. <i>Journal of Colloid and Interface Science</i> , 2018 , 528, 248-262	9.3	23
296	Heterogeneous sono-Fenton-like process using martite nanocatalyst prepared by high energy planetary ball milling for treatment of a textile dye. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 389-399	8.9	57
295	Kinetic modeling of sonocatalytic degradation of reactive orange 29 in the presence of lanthanide-doped ZnO nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 98-106	8.9	23

294	Catalytic performance of hematite nanostructures prepared by N ₂ glow discharge plasma in heterogeneous Fenton-like process for acid red 17 degradation. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 50, 86-95	6.3	30
293	Response surface optimization of heterogeneous Fenton-like degradation of sulfasalazine using Fe-impregnated clinoptilolite nanorods prepared by Ar-plasma. <i>Research on Chemical Intermediates</i> , 2017 , 43, 3989-4005	2.8	8
292	Ultrasound-assisted degradation of organic dyes over magnetic CoFeO@ZnS core-shell nanocomposite. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 298-309	8.9	58
291	Sensitive fluorescence and chemiluminescence procedures for methamphetamine detection based on CdS quantum dots. <i>Microchemical Journal</i> , 2017 , 132, 371-377	4.8	22
290	Photocatalytic ozonation of metronidazole by synthesized zinc oxide nanoparticles immobilized on montmorillonite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 74, 196-204	5.3	35
289	Pilot plant fluidized-bed reactor for degradation of basic blue 3 in heterogeneous fenton process in the presence of natural magnetite. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 1039-1048	2.5	12
288	High flux and fouling resistant reverse osmosis membrane modified with plasma treated natural zeolite. <i>Desalination</i> , 2017 , 411, 89-100	10.3	62
287	Separation of cyanide from an aqueous solution using armchair silicon carbide nanotubes: insights from molecular dynamics simulations. <i>RSC Advances</i> , 2017 , 7, 7502-7508	3.7	2
286	Sonocatalytic degradation of an anthraquinone dye using TiO ₂ -biochar nanocomposite. <i>Ultrasonics Sonochemistry</i> , 2017 , 39, 120-128	8.9	99
285	Kinetic modeling of sonocatalytic performance of Gd-doped CdSe nanoparticles for degradation of Acid Blue 5. <i>Ultrasonics Sonochemistry</i> , 2017 , 39, 344-353	8.9	13
284	A comparative study on electrogeneration of hydrogen peroxide through oxygen reduction over various plasma-treated graphite electrodes. <i>Electrochimica Acta</i> , 2017 , 244, 38-46	6.7	23
283	Sonocatalytic degradation of Reactive Yellow 39 using synthesized ZrO ₂ nanoparticles on biochar. <i>Ultrasonics Sonochemistry</i> , 2017 , 39, 540-549	8.9	57
282	Effect of solvent type on the physicochemical properties and performance of NLDH/PVDF nanocomposite ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2017 , 184, 97-118	8.3	30
281	Toxicological implications of selenium nanoparticles with different coatings along with Se on <i>Lemna minor</i> . <i>Chemosphere</i> , 2017 , 181, 655-665	8.4	27
280	A thin film nanocomposite reverse osmosis membrane containing amine-functionalized carbon nanotubes. <i>Separation and Purification Technology</i> , 2017 , 184, 135-143	8.3	88
279	Molecular dynamics simulation of salt rejection through silicon carbide nanotubes as a nanostructure membrane. <i>Journal of Molecular Graphics and Modelling</i> , 2017 , 71, 176-183	2.8	22
278	Optimization of a textile dye degradation in a recirculating fluidized-bed reactor using magnetite/SO process. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 2486-2496	2.6	5
277	One-step preparation of nanostructured martite catalyst and graphite electrode by glow discharge plasma for heterogeneous electro-Fenton like process. <i>Journal of Environmental Management</i> , 2017 , 199, 31-45	7.9	29

276	Modeling and Optimization of NLDH/PVDF Ultrafiltration Nanocomposite Membrane Using Artificial Neural Network-Genetic Algorithm Hybrid. <i>ACS Combinatorial Science</i> , 2017 , 19, 464-477	3.9	23
275	The role of clinoptilolite nanosheets in catalytic ozonation process: Insights into the degradation mechanism, kinetics and the toxicity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 77, 205-215	5.3	10
274	Sonocatalytic degradation of methylene blue by a novel graphene quantum dots anchored CdSe nanocatalyst. <i>Ultrasonics Sonochemistry</i> , 2017 , 39, 676-685	8.9	39
273	Degradation of mixture of three pharmaceuticals by photocatalytic ozonation in the presence of TiO ₂ /montmorillonite nanocomposite: Simultaneous determination and intermediates identification. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 1964-1976	6.8	45
272	A novel and sensitive chemosensor based on a KMnO ₄ -rhodamine B-CdS quantum dot chemiluminescence system for meropenem detection. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 170-177	4.2	7
271	Modified Cathodes with Carbon-Based Nanomaterials for Electro-Fenton Process. <i>Handbook of Environmental Chemistry</i> , 2017 , 111-143	0.8	2
270	Comparative phytotoxicity of undoped and Er-doped ZnO nanoparticles on <i>Lemna minor</i> L.: changes in plant physiological responses. <i>Turkish Journal of Biology</i> , 2017 , 41, 575-586	3.1	4
269	Efficient electrochemical generation of hydrogen peroxide by means of plasma-treated graphite electrode and activation in electro-Fenton. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 56, 312-320	6.3	22
268	Selective chemiluminescence method for the determination of trinitrotoluene based on molecularly imprinted polymer-capped ZnO quantum dots. <i>New Journal of Chemistry</i> , 2017 , 41, 10659-10667	3.6	17
267	A graphene quantum dot-assisted morin-KMnO ₄ chemiluminescence system for the precise recognition of cypermethrin. <i>New Journal of Chemistry</i> , 2017 , 41, 10668-10676	3.6	6
266	Improving the performance of heavy metal separation from water using MoS ₂ membrane: Molecular dynamics simulation. <i>Computational Materials Science</i> , 2017 , 137, 201-207	3.2	25
265	Toxicity of copper oxide nanoparticles on <i>Spirodela polyrrhiza</i> : assessing physiological parameters. <i>Research on Chemical Intermediates</i> , 2017 , 43, 927-941	2.8	11
264	Combination of ultrasonic and Fenton processes in the presence of magnetite nanostructures prepared by high energy planetary ball mill. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 754-762	8.9	35
263	Production of pyrite nanoparticles using high energy planetary ball milling for sonocatalytic degradation of sulfasalazine. <i>Ultrasonics Sonochemistry</i> , 2017 , 34, 904-915	8.9	40
262	Synthesis of ZnFe ₂ O ₄ nanoparticles for photocatalytic removal of toluene from gas phase in the annular reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 332, 188-195	4.7	33
261	Ultrasound-assisted Fenton process using siderite nanoparticles prepared via planetary ball milling for removal of reactive yellow 81 in aqueous phase. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 210-218	8.9	58
260	Sonocatalytic degradation of ciprofloxacin using synthesized TiO nanoparticles on montmorillonite. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 251-262	8.9	136
259	Sensitive chemiluminescence determination method for 2,4,6-trinitrotoluene based on the catalytic activity of amine-capped gold nanoparticles. <i>New Journal of Chemistry</i> , 2017 , 41, 134-141	3.6	8

258	Sono-assisted adsorption of a textile dye on milk vetch-derived charcoal supported by silica nanopowder. <i>Journal of Environmental Management</i> , 2017 , 187, 111-121	7.9	52
257	Molecular dynamics simulations of removal of cyanide from aqueous solution using boron nitride nanotubes. <i>Computational Materials Science</i> , 2017 , 128, 8-14	3.2	11
256	Ultrasound-assisted removal of Acid Red 17 using nanosized FeO-loaded coffee waste hydrochar. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 72-80	8.9	69
255	Activated carbon fiber for environmental protection 2017 , 245-280		5
254	Different Concentrations of Titanium Dioxide Nanoparticles Induce Autophagy Followed by Growth Inhibition or Cell Death in A375 Melanoma Cells. <i>Journal of Skin and Stem Cell</i> , 2017 , In Press,	0.8	2
253	Development of an empirical kinetic model for sonocatalytic process using neodymium doped zinc oxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 146-55	8.9	24
252	Sonocatalytic degradation of Acid Blue 92 using sonochemically prepared samarium doped zinc oxide nanostructures. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 27-38	8.9	45
251	Comparison of two methods for selegiline determination: A flow-injection chemiluminescence method using cadmium sulfide quantum dots and corona discharge ion mobility spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 153, 273-80	4.4	9
250	Heterogeneous sono-Fenton-like process using nanostructured pyrite prepared by Ar glow discharge plasma for treatment of a textile dye. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 213-25	8.9	75
249	Ultrasound-assisted adsorption of textile dyes using modified nanoclay: Central composite design optimization. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 178-188	2.8	44
248	Photocatalytic degradation of a textile dye in aqueous phase over ZnO nanoparticles embedded in biosilica nanobiostructure. <i>Desalination and Water Treatment</i> , 2016 , 57, 13494-13504		40
247	Preparation and characterization of graphene oxide/TiO ₂ blended PES nanofiltration membrane with improved antifouling and separation performance. <i>Desalination</i> , 2016 , 393, 65-78	10.3	234
246	Heterogeneous Fenton process by natural pyrite for removal of a textile dye from water: Effect of parameters and intermediate identification. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 58, 366-373	5.3	49
245	Electrochemical and photo-assisted electrochemical treatment of the pesticide imidacloprid in aqueous solution by the Fenton process: effect of operational parameters. <i>Research on Chemical Intermediates</i> , 2016 , 42, 855-868	2.8	18
244	Comprehensive monitoring of the performance of homogenous and heterogeneous UV/H ₂ O ₂ /S ₂ O ₈ ²⁻ /Fe ²⁺ processes in mineralization of Acid Red 73. <i>Research on Chemical Intermediates</i> , 2016 , 42, 571-580	2.8	4
243	Adsorption of bentazon on activated carbon prepared from Lawsonia inermis wood: Equilibrium, kinetic and thermodynamic studies. <i>Arabian Journal of Chemistry</i> , 2016 , 9, S1729-S1739	5.9	44
242	Production of martite nanoparticles with high energy planetary ball milling for heterogeneous Fenton-like process. <i>RSC Advances</i> , 2016 , 6, 81219-81230	3.7	5
241	Enhanced removal of chromate by graphene-based sulfate and chloride green rust nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 266-274	5.3	12

240	Development of a novel high-flux PVDF-based ultrafiltration membrane by embedding Mg-Al nanolayered double hydroxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 41, 23-32	6.3	53
239	Photodynamic N-TiO Nanoparticle Treatment Induces Controlled ROS-mediated Autophagy and Terminal Differentiation of Leukemia Cells. <i>Scientific Reports</i> , 2016 , 6, 34413	4.9	70
238	Removal of nitrate ion from water using boron nitride nanotubes: Insights from molecular dynamics simulations. <i>Computational and Theoretical Chemistry</i> , 2016 , 1098, 56-62	2	13
237	Modification of magnetite ore as heterogeneous nanocatalyst for degradation of three textile dyes: Simultaneous determination using MCR-ALS, process optimization and intermediate identification. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 65, 172-184	5.3	12
236	Optimization of cationic dye adsorption on activated spent tea: Equilibrium, kinetics, thermodynamic and artificial neural network modeling. <i>Korean Journal of Chemical Engineering</i> , 2016 , 33, 1352-1361	2.8	44
235	Enhanced chemiluminescence of carminic acid-permanganate by CdS quantum dots and its application for sensitive quenchometric flow injection assays of cloxacillin. <i>Talanta</i> , 2016 , 152, 171-8	6.2	12
234	Sonocatalytic removal of naproxen by synthesized zinc oxide nanoparticles on montmorillonite. <i>Ultrasonics Sonochemistry</i> , 2016 , 31, 250-6	8.9	59
233	Flow-injection chemiluminescence analysis for sensitive determination of atenolol using cadmium sulfide quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 157, 88-95	4.4	23
232	Molecular dynamics simulations of trihalomethanes removal from water using boron nitride nanosheets. <i>Journal of Molecular Modeling</i> , 2016 , 22, 82	2	22
231	A simple and sensitive flow injection method based on the catalytic activity of CdS quantum dots in an acidic permanganate chemiluminescence system for determination of formaldehyde in water and wastewater. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 496-505	4.2	9
230	Production of clinoptilolite nanorods by glow discharge plasma technique for heterogeneous catalytic ozonation of nalidixic acid. <i>RSC Advances</i> , 2016 , 6, 20858-20866	3.7	10
229	Central composite design optimization of pilot plant fluidized-bed heterogeneous Fenton process for degradation of an azo dye. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 2703-12	2.6	10
228	Sonochemical synthesis of holmium doped zinc oxide nanoparticles: Characterization, sonocatalysis of reactive orange 29 and kinetic study. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 35, 167-176	6.3	27
227	Modification of nanosized natural montmorillonite for ultrasound-enhanced adsorption of Acid Red 17. <i>Ultrasonics Sonochemistry</i> , 2016 , 31, 116-21	8.9	59
226	Development of kinetic models for photocatalytic ozonation of phenazopyridine on TiO ₂ nanoparticles thin film in a mixed semi-batch photoreactor. <i>Applied Catalysis B: Environmental</i> , 2016 , 184, 270-284	21.8	52
225	Separation of copper and mercury as heavy metals from aqueous solution using functionalized boron nitride nanosheets: A theoretical study. <i>Journal of Molecular Structure</i> , 2016 , 1108, 144-149	3.4	25
224	Development of kinetic models for photoassisted electrochemical process using Ti/RuO ₂ anode and carbon nanotube-based O ₂ -diffusion cathode. <i>Electrochimica Acta</i> , 2016 , 187, 300-311	6.7	14
223	Self-cleaning acrylic water-based white paint modified with different types of TiO ₂ nanoparticles. <i>Pigment and Resin Technology</i> , 2016 , 45, 24-29	1	13

222	A flow injection chemiluminescence method for determination of nalidixic acid based on KMnO ₄ /Morin sensitized with CdS quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 154, 243-251	4.4	17
221	UV-assisted synthesis of reduced graphene oxide/ZnO nanorod composites immobilized on Zn foil with enhanced photocatalytic performance. <i>Research on Chemical Intermediates</i> , 2016 , 42, 4479-4496	2.8	38
220	Sonocatalytic Degradation of Acid Red 17 in the Presence of Nanosized Bio-Silica: Mechanism and Kinetics. <i>Current Nanoscience</i> , 2016 , 12, 621-629	1.4	6
219	GO/TiO ₂ Hybrid Nanoparticles as New Photosensitizers in Photodynamic Therapy of A375 Melanoma Cancer Cells. <i>Journal of Skin and Stem Cell</i> , 2016 , In Press,	0.8	4
218	Photocatalysis of formaldehyde in the aqueous phase over ZnO/diatomite nanocomposite. <i>Turkish Journal of Chemistry</i> , 2016 , 40, 402-411	1	9
217	Heterogeneous Fenton-like degradation of Acid Red 17 using Fe-impregnated nanoporous clinoptilolite: artificial neural network modeling and phytotoxicological studies. <i>Turkish Journal of Chemistry</i> , 2016 , 40, 347-363	1	4
216	Preparation and characterization of ZnO/MMT nanocomposite for photocatalytic ozonation of a disperse dye. <i>Turkish Journal of Chemistry</i> , 2016 , 40, 546-564	1	15
215	Preparation of nanostructured pyrite with N ₂ glow discharge plasma and the study of its catalytic performance in the heterogeneous Fenton process. <i>New Journal of Chemistry</i> , 2016 , 40, 5221-5230	3.6	20
214	Graphene oxide induced chemiluminescence used for quenchometric determination of dobutamine hydrochloride. <i>Analytical Methods</i> , 2016 , 8, 3496-3502	3.2	6
213	Fluidized-bed Fenton-like oxidation of a textile dye using natural magnetite. <i>Research on Chemical Intermediates</i> , 2016 , 42, 8083-8095	2.8	8
212	Heterogeneous sono-Fenton process using pyrite nanorods prepared by non-thermal plasma for degradation of an anthraquinone dye. <i>Ultrasonics Sonochemistry</i> , 2016 , 32, 357-370	8.9	59
211	Separation of nitrate ion from water using silicon carbide nanotubes as a membrane: Insights from molecular dynamics simulation. <i>Computational Materials Science</i> , 2016 , 119, 74-81	3.2	18
210	Preparation of zeolite nanorods by corona discharge plasma for degradation of phenazopyridine by heterogeneous sono-Fenton-like process. <i>Ultrasonics Sonochemistry</i> , 2016 , 33, 37-46	8.9	45
209	Enhanced luminol/H ₂ O ₂ chemiluminescence reaction by CuO nanoparticles as oxidase mimics and its application for determination of ceftazidime. <i>Analytical Methods</i> , 2016 , 8, 3816-3823	3.2	19
208	Kinetic modeling of nalidixic acid degradation by clinoptilolite nanorod-catalyzed ozonation process. <i>RSC Advances</i> , 2016 , 6, 44371-44382	3.7	5
207	Mixed Matrix Membranes for Nanofiltration Application 2016 , 441-476		4
206	Separation of carbon dioxide and nitrogen gases through modified boron nitride nanosheets as a membrane: insights from molecular dynamics simulations. <i>RSC Advances</i> , 2016 , 6, 94911-94920	3.7	30
205	Heterogeneous photocatalytic ozonation of ciprofloxacin using synthesized titanium dioxide nanoparticles on a montmorillonite support: parametric studies, mechanistic analysis and intermediates identification. <i>RSC Advances</i> , 2016 , 6, 87569-87583	3.7	51

204	Preparation of nanostructured magnetite with plasma for degradation of a cationic textile dye by the heterogeneous Fenton process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 53, 132-139	5.3	35
203	Biodegradation of C.I. Acid Blue 92 by <i>Nasturtium officinale</i> : Study of Some Physiological Responses and Metabolic Fate of Dye. <i>International Journal of Phytoremediation</i> , 2015 , 17, 322-9	3.9	9
202	Sonocatalytic ozonation, with nano-TiO ₂ as catalyst, for degradation of 4-chloronitrobenzene in aqueous solution. <i>Research on Chemical Intermediates</i> , 2015 , 41, 7029-7042	2.8	11
201	Sonocatalysis of a sulfa drug using neodymium-doped lead selenide nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2015 , 27, 345-358	8.9	21
200	Effect of dye chemical structure on the efficiency of photoassisted electrochemical degradation using a cathode containing carbon nanotubes and a Ti/RuO ₂ anode. <i>Research on Chemical Intermediates</i> , 2015 , 41, 6073-6085	2.8	3
199	Removal of a hazardous heavy metal from aqueous solution using functionalized graphene and boron nitride nanosheets: Insights from simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2015 , 61, 13-20	2.8	43
198	Sonocatalytic performance of Er-doped ZnO for degradation of a textile dye. <i>Ultrasonics Sonochemistry</i> , 2015 , 27, 379-388	8.9	48
197	Thin film nanocomposite reverse osmosis membrane modified by reduced graphene oxide/TiO ₂ with improved desalination performance. <i>Journal of Membrane Science</i> , 2015 , 489, 43-54	9.6	309
196	A novel flow-injection chemiluminescence method for determination of baclofen using L-cysteine capped CdS quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 272-282	8.5	35
195	Removal of heavy metals from water through armchair carbon and boron nitride nanotubes: a computer simulation study. <i>RSC Advances</i> , 2015 , 5, 25097-25104	3.7	23
194	Sonocatalytic decolorization of textile wastewater using synthesized FeOOH nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2015 , 27, 616-622	8.9	60
193	Production of nanocatalyst from natural magnetite by glow discharge plasma for enhanced catalytic ozonation of an oxazine dye in aqueous solution. <i>Journal of Molecular Catalysis A</i> , 2015 , 404-405, 218-226		37
192	Photocatalytic degradation of ciprofloxacin by synthesized TiO ₂ nanoparticles on montmorillonite: Effect of operation parameters and artificial neural network modeling. <i>Journal of Molecular Catalysis A</i> , 2015 , 409, 149-161		122
191	Development of a novel high flux and fouling-resistant thin film composite nanofiltration membrane by embedding reduced graphene oxide/TiO ₂ . <i>Separation and Purification Technology</i> , 2015 , 154, 96-107	8.3	138
190	Kinetic, isotherm, and thermodynamic studies for removal of direct red 12b using nanostructured biosilica incorporated into calcium alginate matrix. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 1435-1443	2.5	15
189	Adsorption of two cationic textile dyes from water with modified nanoclay: A comparative study by using central composite design. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2738-2749	6.8	44
188	A novel permanganate-thorin-CdS quantum dots flow injection chemiluminescence system for sensitive determination of vancomycin. <i>RSC Advances</i> , 2015 , 5, 82645-82653	3.7	16
187	Degradation of antidepressant drug fluoxetine in aqueous media by ozone/H ₂ O ₂ system: process optimization using central composite design. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1477-88	2.6	26

186	Effect of reduced graphene oxide/TiO ₂ nanocomposite with different molar ratios on the performance of PVDF ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2015 , 140, 32-42	8.3	142
185	Enhanced hexavalent chromium removal from aqueous solution using a sepiolite-stabilized zero-valent iron nanocomposite: Impact of operational parameters and artificial neural network modeling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 49, 172-182	5.3	33
184	Synthesis, characterization and photocatalytic properties of Er-doped PbSe nanoparticles as a visible light-activated photocatalyst. <i>Journal of Molecular Catalysis A</i> , 2015 , 398, 255-267		30
183	Preparation of natural pyrite nanoparticles by high energy planetary ball milling as a nanocatalyst for heterogeneous Fenton process. <i>Applied Surface Science</i> , 2015 , 327, 190-200	6.7	68
182	Iron rich laterite soil with mesoporous structure for heterogeneous Fenton-like degradation of an azo dye under visible light. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 26, 129-135	6.3	50
181	Degradation of benzene, toluene, and xylene (BTX) from aqueous solution by isolated bacteria from contaminated sites. <i>Research on Chemical Intermediates</i> , 2015 , 41, 265-275	2.8	3
180	Sonochemical synthesis of Pr-doped ZnO nanoparticles for sonocatalytic degradation of Acid Red 17. <i>Ultrasonics Sonochemistry</i> , 2015 , 22, 371-81	8.9	201
179	Preparation of montmorillonite/alginate nanobiocomposite for adsorption of a textile dye in aqueous phase: Isotherm, kinetic and experimental design approaches. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 1197-1207	6.3	77
178	Response surface methodological evaluation of the adsorption of textile dye onto biosilica/alginate nanobiocomposite: thermodynamic, kinetic, and isotherm studies. <i>Desalination and Water Treatment</i> , 2015 , 56, 1389-1402		43
177	Photocatalytic ozonation of phenazopyridine using TiO ₂ nanoparticles coated on ceramic plates: mechanistic studies, degradation intermediates and ecotoxicological assessments. <i>Applied Catalysis A: General</i> , 2015 , 491, 136-154	5.1	86
176	Monitoring simultaneous photocatalytic-ozonation of mixture of pharmaceuticals in the presence of immobilized TiO ₂ nanoparticles using MCR-ALS: Identification of intermediates and multi-response optimization approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt C, 1275-90	4.4	30
175	Sonocatalytic removal of an organic dye using TiO ₂ /Montmorillonite nanocomposite. <i>Ultrasonics Sonochemistry</i> , 2015 , 22, 404-11	8.9	133
174	Sonocatalytic degradation of a textile dye over Gd-doped ZnO nanoparticles synthesized through sonochemical process. <i>Ultrasonics Sonochemistry</i> , 2015 , 23, 219-30	8.9	131
173	Photocatalytic degradation of formaldehyde in aqueous solution using ZnO nanoparticles immobilized on glass plates. <i>Desalination and Water Treatment</i> , 2015 , 53, 1613-1620		45
172	Flow-injection chemiluminescence determination of cloxacillin in water samples and pharmaceutical preparation by using CuO nanosheets-enhanced luminol-hydrogen peroxide system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 134, 210-7	4.4	25
171	Sonocatalytic Degradation of Basic Blue 3 Using Plasma-treated Magnetite Nanostructures. <i>Current Nanoscience</i> , 2015 , 12, 125-134	1.4	3
170	Optimization of the adsorption of a textile dye onto nanoclay using a central composite design. <i>Turkish Journal of Chemistry</i> , 2015 , 39, 734-749	1	46
169	Photocatalysis of sulfasalazine using Gd-doped PbSe nanoparticles under visible light irradiation: Kinetics, intermediate identification and phyto-toxicological studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 134-146	6.3	23

168	Determination of dexamethasone by flow-injection chemiluminescence method using capped CdS quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 63-71	4.4	9
167	Surfactant-modified montmorillonite as a nanosized adsorbent for removal of an insecticide: kinetic and isotherm studies. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 3125-35	2.6	26
166	Electro-assisted photocatalytic decolorization of Reactive Navy Blue SP-BR solution by ZnO nanoparticles immobilized on stainless steel anode. <i>Desalination and Water Treatment</i> , 2015 , 55, 999-1006		1
165	Molecular dynamics simulation of trihalomethanes separation from water by functionalized nanoporous graphene under induced pressure. <i>Chemical Engineering Science</i> , 2015 , 127, 285-292	4.4	58
164	Removal of trihalomethanes from aqueous solution through armchair carbon nanotubes: a molecular dynamics study. <i>Journal of Molecular Graphics and Modelling</i> , 2015 , 57, 70-5	2.8	14
163	Synthesis and characterization of Pr x Zn _{1-x} Se nanoparticles for photocatalysis of four textile dyes with different molecular structures. <i>Research on Chemical Intermediates</i> , 2015 , 41, 8425-8439	2.8	7
162	Artificial neural network modeling of photocatalytic removal of a disperse dye using synthesized ZnO nanoparticles on montmorillonite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 140, 465-73	4.4	40
161	Preparation, characterization and application of a CTAB-modified nanoclay for the adsorption of an herbicide from aqueous solutions: Kinetic and equilibrium studies. <i>Comptes Rendus Chimie</i> , 2015 , 18, 204-214	2.7	57
160	Synthesis, Characterization and Immobilization of ZnO Nanosheets on Scallop Shell for Photocatalytic Degradation of an Insecticide. <i>Science of Advanced Materials</i> , 2015 , 7, 806-814	2.3	24
159	Synthesis of Zinc Oxide Nanoparticles on Montmorillonite for Photocatalytic Degradation of Basic Yellow 28: Effect of Parameters and Neural Network Modeling. <i>Current Nanoscience</i> , 2015 , 11, 343-353	1.4	4
158	Adsorption of a textile dye in aqueous phase using mesoporous activated carbon prepared from Iranian milk vetch. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1783-1791	5.3	66
157	Reductive removal of hexavalent chromium from aqueous solution using sepiolite-stabilized zero-valent iron nanoparticles: Process optimization and kinetic studies. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 630-638	2.8	18
156	A hybrid photocatalytic and enzymatic process using glucose oxidase immobilized on TiO ₂ /polyurethane for removal of a dye. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3150-3156	6.3	36
155	Silica nanopowders/alginate composite for adsorption of lead (II) ions in aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 973-980	5.3	94
154	Photocatalytic Reduction of Hexavalent Chromium over ZnO Nanorods Immobilized on Kaolin. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 1079-1087	3.9	126
153	Enhanced chemiluminescence of the luminol/MnO ₄ system by CuO nanosheets and its application for determination of meropenem in water and human serum. <i>Journal of Luminescence</i> , 2014 , 149, 272-279	3.8	20
152	CuO nanosheets-enhanced flow-injection chemiluminescence system for determination of vancomycin in water, pharmaceutical and human serum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 122, 737-43	4.4	29
151	Comparative removal of two textile dyes from aqueous solution by adsorption onto marine-source waste shell: Kinetic and isotherm studies. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 1451-1459	2.8	33

150	Adsorption of a cationic dye from aqueous solution using Turkish lignite: Kinetic, isotherm, thermodynamic studies and neural network modeling. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 2615-2624	6.3	48
149	Optimized removal of Reactive Navy Blue SP-BR by organo-montmorillonite based adsorbents through central composite design. <i>Applied Clay Science</i> , 2014 , 87, 228-234	5.2	39
148	Optimization of comparative removal of two structurally different basic dyes using coal as a low-cost and available adsorbent. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1597-1607	5.3	55
147	Synthesis and Characterization of Dysprosium-Doped ZnO Nanoparticles for Photocatalysis of a Textile Dye under Visible Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 1924-1932	3.9	150
146	Preparation of cetyltrimethylammonium bromide modified montmorillonite nanomaterial for adsorption of a textile dye. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2565-2577	5.3	52
145	Separation of a heavy metal from water through a membrane containing boron nitride nanotubes: molecular dynamics simulations. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2468	2	23
144	Preparation and application of Fe ₂ O ₃ /TiO ₂ /activated charcoal plate nanocomposite as an electrode for electrosorption-assisted visible light photoelectrocatalytic process. <i>Journal of Molecular Catalysis A</i> , 2014 , 395, 440-448		23
143	Hydrothermal synthesis of a nano-rod mercury(II) metal-ligand coordination compound. <i>Journal of Structural Chemistry</i> , 2014 , 55, 570-575	0.9	
142	Functionalized graphene as a nanostructured membrane for removal of copper and mercury from aqueous solution: a molecular dynamics simulation study. <i>Journal of Molecular Graphics and Modelling</i> , 2014 , 53, 112-117	2.8	44
141	Preparation of a Novel Polyvinylidene Fluoride (PVDF) Ultrafiltration Membrane Modified with Reduced Graphene Oxide/Titanium Dioxide (TiO ₂) Nanocomposite with Enhanced Hydrophilicity and Antifouling Properties. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 13370-13382	3.9	189
140	Removal of Arsenic (III, V) from aqueous solution by nanoscale zero-valent iron stabilized with starch and carboxymethyl cellulose. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 74	2.9	61
139	Degrading a mixture of three textile dyes using photo-assisted electrochemical process with BDD anode and O ₂ diffusion cathode. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 8543-54	5.1	6
138	Electrosorption and photocatalytic one-stage combined process using a new type of nanosized TiO ₂ /activated charcoal plate electrode. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 8555-64	5.1	41
137	Electrochemical degradation of three reactive dyes using carbon paper cathode modified with carbon nanotubes and their simultaneous determination by partial least square method. <i>Korean Journal of Chemical Engineering</i> , 2014 , 31, 785-793	2.8	12
136	Europium-doped ZnO as a visible light responsive nanocatalyst: Sonochemical synthesis, characterization and response surface modeling of photocatalytic process. <i>Applied Catalysis A: General</i> , 2014 , 488, 160-170	5.1	63
135	Photoassisted electrochemical degradation of an azo dye using Ti/RuO ₂ anode and carbon nanotubes containing gas-diffusion cathode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 930-936	5.3	46
134	Application of watercress (<i>Nasturtium officinale</i> R. Br.) for biotreatment of a textile dye: Investigation of some physiological responses and effects of operational parameters. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 1934-1941	5.5	30
133	Preparation of a novel FeOOH-GAC nano composite for decolorization of textile wastewater by photo Fenton-like process in a continuous reactor. <i>Journal of Molecular Catalysis A</i> , 2014 , 392, 229-234		53

132	Flow-injection chemiluminescence determination of gentamicin: optimization by central composite design. <i>Luminescence</i> , 2014 , 29, 230-8	2.5	7
131	Kinetics and equilibrium studies of removal of an azo dye from aqueous solution by adsorption onto scallop. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 610-615	6.3	40
130	Optimisation of the operational parameters during a biological nitrification process using response surface methodology. <i>Canadian Journal of Chemical Engineering</i> , 2014 , 92, 13-22	2.3	37
129	The toxic effects of l-Cysteine-capped cadmium sulfide nanoparticles on the aquatic plant <i>Spirodela polyrrhiza</i> . <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	24
128	Yb-doped ZnSe nanoparticles: synthesis, physical properties and photocatalytic activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6950-6	1.3	6
127	Photocatalytic process by immobilized carbon black/ZnO nanocomposite for dye removal from aqueous medium: Optimization by response surface methodology. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1861-1868	6.3	102
126	Modeling and optimization of photocatalytic/photoassisted-electro-Fenton like degradation of phenol using a neural network coupled with genetic algorithm. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1852-1860	6.3	38
125	Degradation of amoxicillin in aqueous solution using nanolepidocrocite chips/H ₂ O ₂ /UV: Optimization and kinetics studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1772-1778	6.3	52
124	Photocatalytic ozonation for degradation of 2-sec-butyl-4,6-dinitrophenol (DNBP) using titanium dioxide: effect of operational parameters and wastewater treatment. <i>Research on Chemical Intermediates</i> , 2014 , 40, 711-722	2.8	7
123	Modeling and optimization of simultaneous photocatalysis of three dyes on ceramic-coated TiO ₂ nanoparticles using chemometrics methods: phytotoxicological assessment during degradation process. <i>Research on Chemical Intermediates</i> , 2014 , 40, 1283-1302	2.8	11
122	Pb(II) removal from aqueous solution by polyacrylic acid stabilized zero-valent iron nanoparticles: process optimization using response surface methodology. <i>Research on Chemical Intermediates</i> , 2014 , 40, 431-445	2.8	36
121	Hydrothermal synthesis and characterization of Nd-doped ZnSe nanoparticles with enhanced visible light photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2014 , 40, 495-508	2.8	26
120	Kinetic modeling of a triarylmethane dye decolorization by photoelectro-Fenton process in a recirculating system: Nonlinear regression analysis. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 362-367	5.5	28
119	Topological Wiener Indices and Polynomials of C ₈₄ Fullerene Nanocage. <i>Nanoscience and Nanotechnology Letters</i> , 2014 , 6, 532-536	0.8	2
118	Preparation of a Green Photocatalyst by Immobilization of Synthesized ZnO Nanosheets on Scallop Shell for Degradation of an Azo Dye. <i>Current Nanoscience</i> , 2014 , 10, 684-694	1.4	26
117	Treatment of a dye solution using photoelectro-fenton process on the cathode containing carbon nanotubes under recirculation mode: Investigation of operational parameters and artificial neural network modeling. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 32, 557-563	2.5	32
116	Electrochemical generation of hydrogen peroxide using carbon black-, carbon nanotube-, and carbon black/carbon nanotube-coated gas-diffusion cathodes: effect of operational parameters and decolorization study. <i>Research on Chemical Intermediates</i> , 2013 , 39, 4277-4286	2.8	40
115	Optimization of the oxalate catalyzed photoelectro-Fenton process under visible light for removal of Reactive Red 195 using a carbon paper cathode. <i>Research on Chemical Intermediates</i> , 2013 , 39, 3355-3369	2.8	9

114	Potential of the aquatic fern <i>Azolla filiculoides</i> in biodegradation of an azo dye: modeling of experimental results by artificial neural networks. <i>International Journal of Phytoremediation</i> , 2013 , 15, 729-42	3.9	19
113	Recent Advances in Photocatalytic Processes by Nanomaterials 2013 , 267-288		6
112	Combination of photocatalytic and photoelectro-Fenton/citrate processes for dye degradation using immobilized N-doped TiO ₂ nanoparticles and a cathode with carbon nanotubes: Central composite design optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013 , 73, 103-110	3.7	32
111	Kinetics and Mechanism of Enhanced Photocatalytic Activity under Visible Light Using Synthesized PrxCd _{1-x} Se Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 13357-13369	3.9	45
110	Residence time distribution analysis and optimization of photocatalysis of phenazopyridine using immobilized TiO ₂ nanoparticles in a rectangular photoreactor. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1525-1534	6.3	52
109	Adsorption-desorption characteristics of nitrate, phosphate and sulfate on Mg/Al layered double hydroxide. <i>Applied Clay Science</i> , 2013 , 80-81, 305-312	5.2	136
108	Adsorptive capacity of polyacrylonitrile modified with triethylenetetramine for removal of copper and cadmium ions from aqueous solutions. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 33, n/a-n/a	2.5	1
107	Preparation of bio-silica/chitosan nanocomposite for adsorption of a textile dye in aqueous solutions. <i>International Biodeterioration and Biodegradation</i> , 2013 , 85, 383-391	4.8	128
106	Bioremoval of C.I. Basic Red 46 as an azo dye from contaminated water by <i>Lemna minor</i> L.: Modeling of key factor by neural network. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 32, 1082-1089 ²³	2.5	1089 ²³
105	Degradation of an azo dye using the green macroalga <i>Enteromorpha</i> sp.. <i>Chemistry and Ecology</i> , 2013 , 29, 221-233	2.3	22
104	Combination of Carbon Black/TiO ₂ /UV Process with an Electrochemical Process Equipped with a Carbon Black/PTFE-Coated Gas-Diffusion Cathode for Removal of a Textile Dye. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 14133-14142	3.9	44
103	Biosorption of three textile dyes from contaminated water by filamentous green algal <i>Spirogyra</i> sp.: Kinetic, isotherm and thermodynamic studies. <i>International Biodeterioration and Biodegradation</i> , 2013 , 83, 33-40	4.8	116
102	Evaluation of antioxidant enzymes activities and identification of intermediate products during phytoremediation of an anionic dye (C.I. Acid Blue 92) by pennywort (<i>Hydrocotyle vulgaris</i>). <i>Journal of Environmental Sciences</i> , 2013 , 25, 2214-22	6.4	18
101	Simultaneous monitoring of photocatalysis of three pharmaceuticals by immobilized TiO ₂ nanoparticles: chemometric assessment, intermediates identification and ecotoxicological evaluation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 112, 33-45	4.4	67
100	A novel selenium nanoparticles-enhanced chemiluminescence system for determination of dinitrobutylphenol. <i>Talanta</i> , 2013 , 107, 263-9	6.2	68
99	Potential of <i>Hydrocotyle vulgaris</i> for phytoremediation of a textile dye: Inducing antioxidant response in roots and leaves. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 93, 128-34	7	26
98	Photoassisted electrochemical recirculation system with boron-doped diamond anode and carbon nanotubes containing cathode for degradation of a model azo dye. <i>Electrochimica Acta</i> , 2013 , 88, 614-620 ⁷	6.7	48
97	Kinetic modeling of photoassisted-electrochemical process for degradation of an azo dye using boron-doped diamond anode and cathode with carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1890-1894	6.3	59

96	Photoelectrochemical treatment of ammonium using seawater as a natural supporting electrolyte. <i>Chemistry and Ecology</i> , 2013 , 29, 72-85	2.3	48
95	Conversion of Natural Clinoptilolite Microparticles to Nanorods by Glow Discharge Plasma: A Novel Fe-Impregnated Nanocatalyst for the Heterogeneous Fenton Process. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 18225-18233	3.9	38
94	Organic matter removal under high loads in a fixed-bed sequencing batch reactor with peach pit as carrier. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 32, 681-687	2.5	10
93	Synthesis and Characterization of $\text{Er}_x\text{Zn}_{1-x}\text{Se}$ Nanoparticles: A Novel Visible Light Responsive Photocatalyst. <i>Science of Advanced Materials</i> , 2013 , 5, 1074-1082	2.3	34
92	Response surface analysis of removal of a textile dye by a Turkish coal powder. <i>Advances in Environmental Research</i> , 2013 , 2, 291-308		35
91	Treatment of an Azo Dye by Citrate Catalyzed Photoelectro-Fenton Process Under Visible Light using Carbon Nanotube-polytetrafluoroethylene Cathode. <i>Current Nanoscience</i> , 2013 , 9, 387-393	1.4	12
90	Synthesis, Characterization and Photocatalytic Properties of Nanostructured Sm-doped CdSe. <i>Current Nanoscience</i> , 2013 , 9, 780-786	1.4	15
89	TiO ₂ embedded mixed matrix PES nanocomposite membranes: Influence of different sizes and types of nanoparticles on antifouling and performance. <i>Desalination</i> , 2012 , 292, 19-29	10.3	356
88	Photoelectro-Fenton/nanophotocatalysis decolorization of three textile dyes mixture: Response surface modeling and multivariate calibration procedure for simultaneous determination. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 672, 53-62	4.1	54
87	Application of stabilized Fe ⁰ nanoparticles for remediation of Cr(VI)-spiked soil. <i>European Journal of Soil Science</i> , 2012 , 63, 724-732	3.4	54
86	Mixed metal oxide nanocomposites derived from layered double hydroxides as photocatalysts for C.I. Basic Blue 3 degradation under UV light. <i>Crystal Research and Technology</i> , 2012 , 47, 1172-1184	1.3	4
85	Removal of organic dyes by UV/H ₂ O ₂ process: modelling and optimization. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 1417-25	2.6	29
84	Biosorption of three acid dyes by the brown macroalga <i>Stoechospermum marginatum</i> : Isotherm, kinetic and thermodynamic studies. <i>Chemical Engineering Journal</i> , 2012 , 195-196, 297-306	14.7	86
83	Phytoremediation potential of duckweed (<i>Lemna minor</i> L.) in degradation of C.I. Acid Blue 92: artificial neural network modeling. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 80, 291-8	7	109
82	Combined heterogeneous and homogeneous photodegradation of a dye using immobilized TiO ₂ nanophotocatalyst and modified graphite electrode with carbon nanotubes. <i>Journal of Molecular Catalysis A</i> , 2012 , 363-364, 58-68		86
81	Bioremoval of an azo dye by <i>Azolla filiculoides</i> : Study of growth, photosynthetic pigments and antioxidant enzymes status. <i>International Biodeterioration and Biodegradation</i> , 2012 , 75, 194-200	4.8	38
80	The adsorption characteristics of nitrate on MgFe and MgAl layered double hydroxides in a simulated soil solution. <i>Applied Clay Science</i> , 2012 , 70, 28-36	5.2	71
79	Optimization of photocatalytic degradation of sulphonated diazo dye C.I. Reactive Green 19 using ceramic-coated TiO ₂ nanoparticles. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 995-1003	2.6	28

78	Use of enzymatic bio-Fenton as a new approach in decolorization of malachite green. <i>Scientific World Journal, The</i> , 2012 , 2012, 691569	2.2	25
77	Utilisation of immobilised activated sludge for the biosorption of chromium (VI). <i>Canadian Journal of Chemical Engineering</i> , 2012 , 90, 1539-1546	2.3	37
76	Optimization of C.I. Acid black 1 biosorption by <i>Cystoseira indica</i> and <i>Gracilaria persica</i> biomasses from aqueous solutions. <i>International Biodeterioration and Biodegradation</i> , 2012 , 67, 56-63	4.8	33
75	Optimization of Acid Blue 25 removal from aqueous solutions by raw, esterified and protonated <i>Jania adhaerens</i> biomass. <i>International Biodeterioration and Biodegradation</i> , 2012 , 69, 97-105	4.8	23
74	Enzymatic scavenging of oxygen dissolved in water: Application of response surface methodology in optimization of conditions. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2012 , 18, 431-439	0.7	4
73	Chemometrics approach for determination and optimization of simultaneous photooxidative decolourization of a mixture of three textile dyes. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 2305-17	2.6	22
72	Application of response surface methodology in the optimization of photocatalytic removal of environmental pollutants using nanocatalysts. <i>Environmental Technology (United Kingdom)</i> , 2011 , 33, 1669-84	2.6	72
71	Adsorption studies on the removal of Malachite Green from aqueous solutions onto halloysite nanotubes. <i>Applied Clay Science</i> , 2011 ,	5.2	11
70	Photocatalytic activity of nanostructured TiO ₂ -modified white cement. <i>Journal of Experimental Nanoscience</i> , 2011 , 6, 138-148	1.9	10
69	Photoelectrocatalytic decolorization of diazo dye by zinc oxide nanophotocatalyst and carbon nanotube based cathode: Determination of the degradation products. <i>Desalination</i> , 2011 , 278, 117-125	10.3	31
68	Kinetic study of photocatalytic decolorization of C.I. Basic Blue 3 solution on immobilized titanium dioxide nanoparticles. <i>Chemical Engineering Research and Design</i> , 2011 , 89, 2110-2116	5.5	25
67	Electrochemical Treatment of Dye Solution by Oxalate Catalyzed Photoelectro-Fenton Process Using a Carbon Nanotube-PTFE Cathode: Optimization by Central Composite Design. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 482-490	1.6	36
66	Modeling of Biological Water and Wastewater Treatment Processes Using Artificial Neural Networks. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 742-749	1.6	40
65	Cr(VI) Immobilization Process in a Cr-Spiked Soil by Zerovalent Iron Nanoparticles: Optimization Using Response Surface Methodology. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 633-640	1.6	42
64	Neural network modeling of biotreatment of triphenylmethane dye solution by a green macroalgae. <i>Chemical Engineering Research and Design</i> , 2011 , 89, 172-178	5.5	82
63	Photocatalytic degradation of an anthraquinone dye on immobilized TiO ₂ nanoparticles in a rectangular reactor: Destruction pathway and response surface approach. <i>Desalination</i> , 2011 , 268, 126-133	10.3	96
62	Reductive removal of Cr(VI) by starch-stabilized Fe ⁰ nanoparticles in aqueous solution. <i>Desalination</i> , 2011 , 270, 105-110	10.3	151
61	Photooxidative decolorization of two organic dyes with different chemical structures by UV/H ₂ O ₂ process: Experimental design. <i>Desalination</i> , 2011 , 270, 151-159	10.3	74

60	Photocatalysis of a dye solution using immobilized ZnO nanoparticles combined with photoelectrochemical process. <i>Desalination</i> , 2011 , 273, 453-460	10.3	69
59	Heterogeneous photocatalysis of a dye solution using supported TiO ₂ nanoparticles combined with homogeneous photoelectrochemical process: Molecular degradation products. <i>Journal of Molecular Catalysis A</i> , 2011 ,		5
58	Optimization of biological treatment of a dye solution by macroalgae <i>Cladophora</i> sp. using response surface methodology. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011 , 42, 26-33	5.3	57
57	Biotreatment of a triphenylmethane dye solution using a Xanthophyta alga: Modeling of key factors by neural network. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011 , 42, 380-386	5.3	42
56	Electrochemical generation of H ₂ O ₂ using immobilized carbon nanotubes on graphite electrode fed with air: Investigation of operational parameters. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 659, 63-68	4.1	127
55	Decolorization of C.I. Basic Yellow 28 solution using supported ZnO nanoparticles coupled with photoelectro-Fenton process. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 659, 107-112	4.1	47
54	Nanostructured Titanium Dioxide Materials 2011 ,		24
53	Photochemical oxidative decolorization of C. I. basic red 46 by UV/H ₂ O ₂ process: Optimization using response surface methodology and kinetic modeling. <i>Desalination and Water Treatment</i> , 2010 , 16, 243-253		17
52	KINESIN AND DYNEIN SMART NANOMOTORS: TOWARDS BIO-NANOROBOTIC SYSTEMS. <i>Nano</i> , 2010 , 05, 13-23	1.1	11
51	Photocatalytic decolorisation and mineralisation of orange dyes on immobilised titanium dioxide nanoparticles. <i>Water Science and Technology</i> , 2010 , 62, 1112-20	2.2	12
50	Photocatalytic degradation of organic dyes in the presence of nanostructured titanium dioxide: Influence of the chemical structure of dyes. <i>Journal of Molecular Catalysis A</i> , 2010 , 328, 8-26		464
49	Optimization of UV-promoted peroxydisulphate oxidation of C.I. Basic Blue 3 using response surface methodology. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 73-86	2.6	40
48	Kinetic Modeling of Liquid Phase Photocatalysis on Supported TiO ₂ Nanoparticles in a Rectangular Flat-Plate Photoreactor. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 12358-12364	3.9	60
47	Biological Decolorization of C.I. Basic Green 4 Solution by Microalga <i>Chlorella</i> sp.: Effect of Operational Parameters*. <i>Ying Yong Yu Huan Jing Sheng Wu Xue Bao = Chinese Journal of Applied and Environmental Biology</i> , 2010 , 2009, 110-114		4
46	Removal of four dyes from aqueous medium by the peroxi-coagulation method using carbon nanotube/BTFE cathode and neural network modeling. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 639, 167-174	4.1	70
45	Photocatalytic treatment of a dye solution using immobilized TiO ₂ nanoparticles combined with photoelectro-Fenton process: Optimization of operational parameters. <i>Journal of Electroanalytical Chemistry</i> , 2010 , 648, 143-150	4.1	85
44	Optimization of photocatalytic treatment of dye solution on supported TiO ₂ nanoparticles by central composite design: intermediates identification. <i>Journal of Hazardous Materials</i> , 2010 , 181, 886-912	12.8	225
43	Bioremediation of Malachite Green from Contaminated Water by Three Microalgae: Neural Network Modeling. <i>Clean - Soil, Air, Water</i> , 2010 , 38, NA-NA	1.6	7

42	Central Composite Design Optimization of Biological Dye Removal in the Presence of Macroalgae Chara sp.. <i>Clean - Soil, Air, Water</i> , 2010 , 38, 750-757	1.6	28
41	Application of response surface methodology for optimization of peroxi-coagulation of textile dye solution using carbon nanotube-PTFE cathode. <i>Journal of Hazardous Materials</i> , 2010 , 173, 544-51	12.8	175
40	Artificial neural networks modeling of contaminated water treatment processes by homogeneous and heterogeneous nanocatalysis. <i>Journal of Molecular Catalysis A</i> , 2010 , 331, 86-100		129
39	Comparative photocatalytic degradation of two dyes on immobilized TiO ₂ nanoparticles: Effect of dye molecular structure and response surface approach. <i>Journal of Molecular Catalysis A</i> , 2010 , 333, 73-84		98
38	Biological treatment of a dye solution by Macroalgae Chara sp.: effect of operational parameters, intermediates identification and artificial neural network modeling. <i>Bioresource Technology</i> , 2010 , 101, 2252-8	11	142
37	UV/peroxydisulfate oxidation of C. I. Basic Blue 3: Modeling of key factors by artificial neural network. <i>Desalination</i> , 2010 , 251, 64-69	10.3	91
36	Application of response surface methodology for optimization of azo dye removal by oxalate catalyzed photoelectro-Fenton process using carbon nanotube-PTFE cathode. <i>Desalination</i> , 2010 , 258, 112-119	10.3	149
35	Photoelectro-Fenton combined with photocatalytic process for degradation of an azo dye using supported TiO ₂ nanoparticles and carbon nanotube cathode: Neural network modeling. <i>Electrochimica Acta</i> , 2010 , 55, 7259-7265	6.7	124
34	Modeling of Nitrate Adsorption on Granular Activated Carbon (GAC) using Artificial Neural Network (ANN). <i>International Journal of Chemical Reactor Engineering</i> , 2009 , 7,	1.2	13
33	ADVANCES IN F0F1-ATP SYNTHASE BIOLOGICAL PROTEIN NANOMOTOR: FROM MECHANISMS AND STRATEGIES TO POTENTIAL APPLICATIONS. <i>Nano</i> , 2009 , 04, 55-67	1.1	8
32	Electrochemical treatment of dye solution containing C.I. Basic Yellow 2 by the peroxi-coagulation method and modeling of experimental results by artificial neural networks. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 629, 117-125	4.1	115
31	Peroxi-coagulation degradation of C.I. Basic Yellow 2 based on carbon-PTFE and carbon nanotube-PTFE electrodes as cathode. <i>Electrochimica Acta</i> , 2009 , 54, 6651-6660	6.7	132
30	Decolorization of C.I. Acid Blue 9 solution by UV/Nano-TiO ₂ (2), Fenton, Fenton-like, electro-Fenton and electrocoagulation processes: a comparative study. <i>Journal of Hazardous Materials</i> , 2009 , 161, 1225-33	12.8	248
29	Photocatalytic degradation of three azo dyes using immobilized TiO ₂ nanoparticles on glass plates activated by UV light irradiation: influence of dye molecular structure. <i>Journal of Hazardous Materials</i> , 2009 , 168, 451-7	12.8	251
28	Removal of the herbicide Bentazon from contaminated water in the presence of synthesized nanocrystalline TiO ₂ powders under irradiation of UV-C light. <i>Desalination</i> , 2009 , 249, 301-307	10.3	71
27	Optimization of activated carbon fiber preparation from Kenaf using K ₂ HPO ₄ as chemical activator for adsorption of phenolic compounds. <i>Bioresource Technology</i> , 2009 , 100, 6586-91	11	86
26	Photocatalytic removal of C.I. Basic Red 46 on immobilized TiO ₂ nanoparticles: artificial neural network modelling. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 1155-68	2.6	79
25	Application of microalga Chlamydomonas sp. for biosorptive removal of a textile dye from contaminated water: modelling by a neural network. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 1615-23	2.6	30

24	Application of central composite design for the optimization of photo-destruction of a textile dye using UV/S ₂ O ₈ 2- process. <i>Polish Journal of Chemical Technology</i> , 2009 , 11, 38-45	1	24
23	Crystallite phase-controlled preparation, characterisation and photocatalytic properties of titanium dioxide nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2009 , 4, 121-137	1.9	36
22	Photooxidative removal of the herbicide Acid Blue 9 in the presence of hydrogen peroxide: modeling of the reaction for evaluation of electrical energy per order (E EO). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2008 , 43, 562-8	2.2	16
21	Biological decolorization of dye solution containing Malachite Green by microalgae <i>Cosmarium</i> sp. <i>Bioresource Technology</i> , 2007 , 98, 1176-82	11	368
20	Removal of C.I. Acid Orange 7 from aqueous solution by UV irradiation in the presence of ZnO nanopowder. <i>Journal of Hazardous Materials</i> , 2007 , 143, 95-101	12.8	189
19	Biodegradation of dye solution containing Malachite Green: optimization of effective parameters using Taguchi method. <i>Journal of Hazardous Materials</i> , 2007 , 143, 214-9	12.8	213
18	Study of imidaclopride removal from aqueous solution by adsorption onto granular activated carbon using an on-line spectrophotometric analysis system. <i>Journal of Hazardous Materials</i> , 2007 , 144, 47-51	12.8	71
17	Decolorization of C.I. Acid Yellow 23 solution by electrocoagulation process: investigation of operational parameters and evaluation of specific electrical energy consumption (SEEC). <i>Journal of Hazardous Materials</i> , 2007 , 148, 566-72	12.8	178
16	Photocatalytic degradation of the insecticide diazinon in the presence of prepared nanocrystalline ZnO powders under irradiation of UV-C light. <i>Separation and Purification Technology</i> , 2007 , 58, 91-98	8.3	289
15	The Use of ANN and the Mathematical Model for Prediction of the Main Product Yields in the Thermal Cracking of Naphtha. <i>Petroleum Science and Technology</i> , 2007 , 25, 967-982	1.4	18
14	Photocatalytic degradation of the herbicide erioglaucine in the presence of nanosized titanium dioxide: comparison and modeling of reaction kinetics. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2006 , 41, 1273-90	2.2	56
13	Removal of azo dye C.I. acid red 14 from contaminated water using Fenton, UV/H(2)O(2), UV/H(2)O(2)/Fe(II), UV/H(2)O(2)/Fe(III) and UV/H(2)O(2)/Fe(III)/oxalate processes: a comparative study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006 , 41, 615-20	2.3	60
12	The use of artificial neural networks (ANN) for modeling of decolorization of textile dye solution containing C. I. Basic Yellow 28 by electrocoagulation process. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1788-95	12.8	131
11	The evaluation of electrical energy per order (E(Eo)) for photooxidative decolorization of four textile dye solutions by the kinetic model. <i>Chemosphere</i> , 2005 , 59, 761-7	8.4	176
10	Immobilization of TiO ₂ nanopowder on glass beads for the photocatalytic decolorization of an azo dye C.I. Direct Red 23. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005 , 40, 1605-17	2.3	58
9	Application of artificial neural networks for modeling of the treatment of wastewater contaminated with methyl tert-butyl ether (MTBE) by UV/H ₂ O ₂ process. <i>Journal of Hazardous Materials</i> , 2005 , 125, 205-10	12.8	109
8	Photocatalytic degradation of azo dye acid red 14 in water on ZnO as an alternative catalyst to TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 162, 317-322	4.7	974
7	Photocatalytic degradation of an organophosphorus pesticide phosalone in aqueous suspensions of titanium dioxide. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2004 , 39, 285-96	2.2	39

6	Photocatalytic degradation of azo dye acid red 14 in water: investigation of the effect of operational parameters. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 157, 111-116	4.7	639
5	Solid state phase transformations in TiAlRu system. <i>Materials Science and Technology</i> , 1989 , 5, 873-881	1.5	7
4	Constitution of TiAlRu system. <i>Materials Science and Technology</i> , 1989 , 5, 632-643	1.5	12
3	New titanium-aluminum-X alloys for aerospace applications. <i>Journal of Materials Engineering</i> , 1988 , 10, 37-44		16
2	Synthesis of Peroxidase-Like V ₂ O ₅ Nanoparticles for Dye Removal from Aqueous Solutions. <i>Topics in Catalysis</i> , 1	2.3	1
1	Theoretical Study of CO ₂ /N ₂ Gas Mixture Separation through a High-Silica PWN-type Zeolite Membrane. <i>Industrial & Engineering Chemistry Research</i> ,	3.9	2