

Jian-Long Wang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/660146/jian-long-wang-publications-by-year.pdf>

Version: 2024-04-26

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.

616
papers

32,002
citations

88
h-index

153
g-index

635
ext. papers

41,773
ext. citations

7.6
avg. IF

8.96
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 616 | Suppressing electrolyte-lithium metal reactivity via Li-desolvation in uniform nano-porous separator.. <i>Nature Communications</i> , 2022 , 13, 172 | 17.4 | 9 |
| 615 | Self-Assembling Antibody Network Simplified Competitive Multiplex Lateral Flow Immunoassay for Point-of-Care Tests.. <i>Analytical Chemistry</i> , 2022 , | 7.8 | 2 |
| 614 | The inactivation of bacteriophages MS2 and PhiX174 by nanoscale zero-valent iron: Resistance difference and mechanisms. <i>Frontiers of Environmental Science and Engineering</i> , 2022 , 16, 1 | 5.8 | 2 |
| 613 | Recent Progress in Rapid Determination of Mycotoxins Based on Emerging Biorecognition Molecules: A Review.. <i>Toxins</i> , 2022 , 14, | 4.9 | 1 |
| 612 | Medium-chain carboxylates production by co-fermentation of sewage sludge and macroalgae.. <i>Bioresource Technology</i> , 2022 , 347, 126718 | 11 | 2 |
| 611 | Matrix effect in the hydroxyl radical induced degradation of β -lactam and tetracycline type antibiotics. <i>Radiation Physics and Chemistry</i> , 2022 , 193, 109980 | 2.5 | 0 |
| 610 | Demand-oriented construction of MoS-LDH: A versatile scavenger for highly selective and efficient removal of toxic Ag(I), Hg(II), As(III), and Cr(VI) from water.. <i>Science of the Total Environment</i> , 2022 , 820, 153334 | 10.2 | 2 |
| 609 | Bioresource-derived tannic acid-supported immuno-network in lateral flow immunoassay for sensitive clenbuterol monitoring.. <i>Food Chemistry</i> , 2022 , 382, 132390 | 8.5 | 3 |
| 608 | Advanced treatment of landfill leachate using integrated coagulation/ photo-Fenton process through in-situ generated nascent Al ³⁺ and H ₂ O ₂ by Cl, N co-doped aluminum-graphite composite. <i>Applied Catalysis B: Environmental</i> , 2022 , 304, 121003 | 21.8 | 0 |
| 607 | A critical review on graphitic carbon nitride (g-C ₃ N ₄)-based materials: Preparation, modification and environmental application. <i>Coordination Chemistry Reviews</i> , 2022 , 453, 214338 | 23.2 | 35 |
| 606 | Enhanced antibiotic degradation and hydrogen production of deacetoxycephalosporin C fermentation residue by gamma radiation coupled with nano zero-valent iron. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127439 | 12.8 | 1 |
| 605 | Biohydrogen production using macroalgal biomass of <i>Laminaria japonica</i> pretreated by gamma irradiation as substrate. <i>Fuel</i> , 2022 , 309, 122179 | 7.1 | 5 |
| 604 | Synergistic effect of PMS activation by Fe ⁰ @Fe ₃ O ₄ anchored on N, S, O co-doped carbon composite for degradation of sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2022 , 427, 131960 | 14.7 | 10 |
| 603 | Controllable assembly metal-organic frameworks and gold nanoparticles composites for sensitive immunochromatographic assay. <i>Food Chemistry</i> , 2022 , 367, 130737 | 8.5 | 2 |
| 602 | Dextran-stabilized Fe-Mn bimetallic oxidase-like nanozyme for total antioxidant capacity assay of fruit and vegetable food. <i>Food Chemistry</i> , 2022 , 371, 131115 | 8.5 | 6 |
| 601 | Enhanced activation of peroxymonosulfate through exfoliated oxygen-doping graphitic carbon nitride for degradation of organic pollutants. <i>Chemical Engineering Journal</i> , 2022 , 428, 131066 | 14.7 | 6 |
| 600 | The performance and pathway of indole degradation by ionizing radiation. <i>Chemosphere</i> , 2022 , 287, 131983 | 19.8 | 2 |

| | | | |
|-----|--|------|----|
| 599 | Degradation of 3-methylindole by ionizing radiation: Performance and pathway. <i>Separation and Purification Technology</i> , 2022 , 278, 119515 | 8.3 | 1 |
| 598 | Elimination of oxacillin, its toxicity and antibacterial activity by using ionizing radiation. <i>Chemosphere</i> , 2022 , 286, 131467 | 8.4 | 2 |
| 597 | Magnetic 2D/2D oxygen doped g-CN/biochar composite to activate peroxymonosulfate for degradation of emerging organic pollutants. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127207 | 12.8 | 13 |
| 596 | MOF-derived Cu ₀ /C activation of molecular oxygen for efficient degradation of sulfamethazine. <i>Chemical Engineering Journal</i> , 2022 , 427, 131961 | 14.7 | 4 |
| 595 | Enhanced functional properties of chitosan films incorporated with curcumin-loaded hollow graphitic carbon nitride nanoparticles for bananas preservation. <i>Food Chemistry</i> , 2022 , 366, 130539 | 8.5 | 7 |
| 594 | Konjac glucomannan films with quasi-pasteurization function for tangerines preservation. <i>Food Chemistry</i> , 2022 , 367, 130622 | 8.5 | 3 |
| 593 | Mechanism investigation for ultra-efficient photocatalytic water disinfection based on rational design of indirect Z-scheme heterojunction black phosphorus QDs/CuO nanoparticles. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127281 | 12.8 | 3 |
| 592 | Rational construction of a robust metal-organic framework nanozyme with dual-metal active sites for colorimetric detection of organophosphorus pesticides. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127253 | 12.8 | 7 |
| 591 | Denitrification performance and microbial community of bioreactor packed with PHBV/PLA/rice hulls composite. <i>Science of the Total Environment</i> , 2022 , 803, 150033 | 10.2 | 4 |
| 590 | Degradation of chloroaniline in chemical wastewater by ionizing radiation technology: Degradation mechanism and toxicity evaluation. <i>Chemosphere</i> , 2022 , 287, 132365 | 8.4 | 0 |
| 589 | Development of a streptavidin-bridged enhanced sandwich ELISA based on self-paired nanobodies for monitoring multiplex Salmonella serogroups.. <i>Analytica Chimica Acta</i> , 2022 , 1203, 339705 | 6.6 | 1 |
| 588 | Mixotrophic denitrification using pyrite and biodegradable polymer composite as electron donors.. <i>Bioresource Technology</i> , 2022 , 351, 127011 | 11 | 1 |
| 587 | Degradation of sulfamethoxazole using PMS activated by cobalt sulfides encapsulated in nitrogen and sulfur co-doped graphene.. <i>Science of the Total Environment</i> , 2022 , 154379 | 10.2 | 2 |
| 586 | Adsorption of Co and Sr in aqueous solution by a novel fibrous chitosan biosorbent.. <i>Science of the Total Environment</i> , 2022 , 825, 153998 | 10.2 | 2 |
| 585 | Simultaneous biological removal of nitrogen and phosphorus from secondary effluent of wastewater treatment plants by advanced treatment: A review.. <i>Chemosphere</i> , 2022 , 134054 | 8.4 | 4 |
| 584 | Removal of ammonia and phenol from saline chemical wastewater by ionizing radiation: Performance, mechanism and toxicity.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128727 | 12.8 | 1 |
| 583 | Chitosan-based materials: Preparation, modification and application. <i>Journal of Cleaner Production</i> , 2022 , 131825 | 10.3 | 6 |
| 582 | First full-scale application of electron beam technology for treating dyeing wastewater (30,000m ³ /d) in China. <i>Radiation Physics and Chemistry</i> , 2022 , 196, 110136 | 2.5 | 0 |

| | | | |
|-----|--|------|----|
| 581 | Nature-inspired nanozymes as signal markers for in-situ signal amplification strategy: A portable dual-colorimetric immunochromatographic analysis based on smartphone.. <i>Biosensors and Bioelectronics</i> , 2022 , 210, 114289 | 11.8 | 7 |
| 580 | Selective and effective adsorption of cesium ions by metal hexacyanoferrates (MHCF, M = Cu, Co, Ni) modified chitosan fibrous biosorbent.. <i>Science of the Total Environment</i> , 2022 , 155575 | 10.2 | 0 |
| 579 | Degradation of the mixed nuclear-grade cationic and anionic exchange resins using Fe/H homogeneous Fenton oxidation.. <i>Environmental Research</i> , 2022 , 212, 113400 | 7.9 | 0 |
| 578 | Production of biohydrogen 2022 , 283-337 | | 0 |
| 577 | Pollutants Sorbed Onto Microplastics 2022 , 269-299 | | |
| 576 | Polysaccharide-Iron (III) Chelate as Peroxidase Mimics for Total Antioxidant Capacity Assay of Fruit and Vegetable Food. <i>Foods</i> , 2021 , 10, | 4.9 | 1 |
| 575 | Gentiana straminea Maxim. polysaccharide decolorized via high-throughput graphene-based column and its anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , 2021 , 193, 1727-1729 | 7.9 | 1 |
| 574 | Biological production of medium-chain carboxylates through chain elongation: An overview. <i>Biotechnology Advances</i> , 2021 , 55, 107882 | 17.8 | 8 |
| 573 | Degradation performance and mechanism of penicillin G in aqueous solution by ionizing radiation. <i>Journal of Cleaner Production</i> , 2021 , 328, 129625 | 10.3 | 1 |
| 572 | Degradation of the mixed organic solvents of tributyl phosphate and n-dodecane by heterogeneous Fenton-like oxidation using nanoscale zero-valent iron as the catalyst.. <i>Chemosphere</i> , 2021 , 292, 133449 | 8.4 | 0 |
| 571 | Expanded detection range of lateral flow immunoassay endowed with a third-stage amplifier indirect probe.. <i>Food Chemistry</i> , 2021 , 377, 131920 | 8.5 | 1 |
| 570 | Iron-Based Dual Active Site-Mediated Peroxymonosulfate Activation for the Degradation of Emerging Organic Pollutants. <i>Environmental Science & Technology</i> , 2021 , 55, 15412-15422 | 10.3 | 9 |
| 569 | Simultaneously Blocking Chemical Crosstalk and Internal Short Circuit via Gel-Stretching Derived Nanoporous Non-Shrinkage Separator for Safe Lithium-Ion Batteries. <i>Advanced Materials</i> , 2021 , e2106335 [†] | 24 | 8 |
| 568 | Review and comparison of various hydrogen production methods based on costs and life cycle impact assessment indicators. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 38612-38635 | 6.7 | 26 |
| 567 | Abatement of antibiotics and antimicrobial resistance genes from cephalosporin fermentation residues by ionizing radiation: From lab-scale study to full-scale application. <i>Journal of Cleaner Production</i> , 2021 , 325, 129334 | 10.3 | 0 |
| 566 | Suppression of lithium dendrite by aramid nanofibrous aerogel separator. <i>Journal of Power Sources</i> , 2021 , 515, 230608 | 8.9 | 2 |
| 565 | A critical review of various adsorbents for selective removal of nitrate from water: Structure, performance and mechanism. <i>Chemosphere</i> , 2021 , 132728 | 8.4 | 8 |
| 564 | Biodegradation of pyrene by a novel strain of <i>Castellaniella</i> sp. under denitrifying condition. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104970 | 6.8 | 7 |

| | | | |
|-----|---|------|-----|
| 563 | Competitive Lateral Flow Immunoassay Relying on Au-SiO Janus Nanoparticles with an Asymmetric Structure and Function for Furazolidone Residue Monitoring. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 511-519 | 5.7 | 8 |
| 562 | Electro-adsorption characteristics and mechanism of Sr ²⁺ ions by capacitive deionization and CFD analysis study. <i>Progress in Nuclear Energy</i> , 2021 , 133, 103628 | 2.3 | 10 |
| 561 | Adsorption of Co ²⁺ and Sr ²⁺ from aqueous solution by chitosan grafted with EDTA. <i>Journal of Molecular Liquids</i> , 2021 , 325, 115197 | 6 | 8 |
| 560 | Activity of Autotrophic Fe(II)-Oxidizing Denitrifiers in Freshwater Lake Sediments. <i>ACS ES&T Water</i> , 2021 , 1, 1566-1576 | | 4 |
| 559 | Effect of inorganic anions on the performance of advanced oxidation processes for degradation of organic contaminants. <i>Chemical Engineering Journal</i> , 2021 , 411, 128392 | 14.7 | 123 |
| 558 | Magnetic zeolitic imidazolate frameworks composite as an efficient adsorbent for arsenic removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125298 | 12.8 | 5 |
| 557 | Graphite-like carbon nitride-laden gold nanoparticles as signal amplification label for highly sensitive lateral flow immunoassay of 17 β -estradiol. <i>Food Chemistry</i> , 2021 , 347, 129001 | 8.5 | 9 |
| 556 | Efficient removal of Co(II) and Sr(II) from aqueous solution using polyvinyl alcohol/graphene oxide/MnO composite as a novel adsorbent. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125117 | 12.8 | 16 |
| 555 | Acid-Induced Self-Catalyzing Platform Based on Dextran-Coated Copper Peroxide Nanoaggregates for Biofilm Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29269-29280 | 9.5 | 7 |
| 554 | Fe-based Fenton-like catalysts for water treatment: Catalytic mechanisms and applications. <i>Journal of Molecular Liquids</i> , 2021 , 332, 115755 | 6 | 27 |
| 553 | Highly Sensitive Colorimetric/Surface-Enhanced Raman Spectroscopy Immunoassay Relying on a Metallic Core-Shell Au/Au Nanostar with Clenbuterol as a Target Analyte. <i>Analytical Chemistry</i> , 2021 , 93, 8362-8369 | 7.8 | 9 |
| 552 | Effect of Ni ²⁺ concentration on fermentative hydrogen production using waste activated sludge as substrate. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 21844-21852 | 6.7 | 2 |
| 551 | Catalytic ozonation for degradation of sulfamethazine using NiCoO as catalyst. <i>Chemosphere</i> , 2021 , 268, 128840 | 8.4 | 24 |
| 550 | Modeling of the fractal-like adsorption systems based on the diffusion limited aggregation model. <i>Journal of Molecular Liquids</i> , 2021 , 324, 114692 | 6 | 4 |
| 549 | Aerogel doped by sulfur-functionalized graphene oxide with convenient separability for efficient patulin removal from apple juice. <i>Food Chemistry</i> , 2021 , 338, 127785 | 8.5 | 10 |
| 548 | MOF-derived CoO-C@FeOOH as an efficient catalyst for catalytic ozonation of norfloxacin. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123697 | 12.8 | 44 |
| 547 | Fenton-like degradation of sulfamethoxazole in Cu ₀ /Zn ₀ -air system over a broad pH range: Performance, kinetics and mechanism. <i>Chemical Engineering Journal</i> , 2021 , 403, 126320 | 14.7 | 22 |
| 546 | Projecting the sorption capacity of heavy metal ions onto microplastics in global aquatic environments using artificial neural networks. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123709 | 12.8 | 31 |

| | | | |
|-----|--|------|-----|
| 545 | Assessment of degradation characteristic and mineralization efficiency of norfloxacin by ionizing radiation combined with Fenton-like oxidation. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124172 | 12.8 | 25 |
| 544 | Fenton/Fenton-like processes with in-situ production of hydrogen peroxide/hydroxyl radical for degradation of emerging contaminants: Advances and prospects. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124191 | 12.8 | 126 |
| 543 | Magnetic COFs as catalyst for Fenton-like degradation of sulfamethazine. <i>Chemosphere</i> , 2021 , 264, 128564 | 8.4 | 15 |
| 542 | Antibiotic and mammal IgG based lateral flow assay for simple and sensitive detection of <i>Staphylococcus aureus</i> . <i>Food Chemistry</i> , 2021 , 339, 127955 | 8.5 | 14 |
| 541 | Forward osmosis technology for water treatment: Recent advances and future perspectives. <i>Journal of Cleaner Production</i> , 2021 , 280, 124354 | 10.3 | 43 |
| 540 | Predictive functional profiling of microbial communities in fermentative hydrogen production system using PICRUSt. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 3716-3725 | 6.7 | 16 |
| 539 | Fibrous chitosan/cellulose composite as an efficient adsorbent for Co(II) removal. <i>Journal of Cleaner Production</i> , 2021 , 285, 124911 | 10.3 | 29 |
| 538 | Selective adsorption of cesium (I) from water by Prussian blue analogues anchored on 3D reduced graphene oxide aerogel. <i>Science of the Total Environment</i> , 2021 , 761, 143286 | 10.2 | 16 |
| 537 | A mass-producible integrative structure Pt alloy oxygen reduction catalyst synthesized with atomically dispersive metal-organic framework precursors. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 351-361 | 9.3 | 5 |
| 536 | Rational design of smart adsorbent equipped with a sensitive indicator via ligand exchange: A hierarchical porous mixed-ligand MOF for simultaneous removal and detection of Hg ²⁺ . <i>Nano Research</i> , 2021 , 14, 1523-1532 | 10 | 14 |
| 535 | Mechanisms of enhanced hydrogen production from sewage sludge by ferrous ion: Insights into functional genes and metabolic pathways. <i>Bioresource Technology</i> , 2021 , 321, 124435 | 11 | 12 |
| 534 | Recent advance in inhibition of dark fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 5053-5073 | 6.7 | 26 |
| 533 | Enhanced degradation of triclosan by gamma radiation with addition of persulfate. <i>Radiation Physics and Chemistry</i> , 2021 , 180, 109273 | 2.5 | 1 |
| 532 | Catalytic ozonation of norfloxacin using CoO/C composite derived from ZIF-67 as catalyst. <i>Chemosphere</i> , 2021 , 265, 129047 | 8.4 | 17 |
| 531 | Nanoscale Fe/Cu bimetallic catalysts for Fenton-like oxidation of the mixture of nuclear-grade cationic and anionic exchange resins. <i>Chemosphere</i> , 2021 , 269, 128763 | 8.4 | 8 |
| 530 | Degradation of norfloxacin by hydroxylamine enhanced fenton system: Kinetics, mechanism and degradation pathway. <i>Chemosphere</i> , 2021 , 270, 129408 | 8.4 | 20 |
| 529 | Activation of peroxydisulfate by a novel Cu-CuO@CNTs composite for 2, 4-dichlorophenol degradation. <i>Science of the Total Environment</i> , 2021 , 754, 141883 | 10.2 | 20 |
| 528 | Successive non-radical and radical process of peroxymonosulfate-based oxidation using various activation methods for enhancing mineralization of sulfamethoxazole. <i>Chemosphere</i> , 2021 , 263, 127964 | 8.4 | 5 |

| | | | |
|-----|--|------|----|
| 527 | A sustainable and nondestructive method to high-throughput decolor Lycium barbarum L. polysaccharides by graphene-based nano-decoloration. <i>Food Chemistry</i> , 2021 , 338, 127749 | 8.5 | 4 |
| 526 | Degradation and mineralization of ofloxacin by ozonation and peroxone (O/HO) process. <i>Chemosphere</i> , 2021 , 269, 128775 | 8.4 | 26 |
| 525 | Ultrasensitive label-free immunochromatographic strip sensor for Salmonella determination based on salt-induced aggregated gold nanoparticles. <i>Food Chemistry</i> , 2021 , 343, 128518 | 8.5 | 10 |
| 524 | Degradation of sulfamethoxazole by ozonation combined with ionizing radiation. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124377 | 12.8 | 29 |
| 523 | Adsorptive removal of Sr and Cs from aqueous solution by capacitive deionization. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 3182-3195 | 5.1 | 4 |
| 522 | Recent advances in Pt-based electrocatalysts for PEMFCs.. <i>RSC Advances</i> , 2021 , 11, 13316-13328 | 3.7 | 6 |
| 521 | Does the intrinsic photocontrollable oxidase-mimicking activity of 2-aminoterephthalic acid dominate the activity of metal-organic frameworks?. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 3482-3490 | 6.8 | 0 |
| 520 | Fe-Based Nanomaterials for Removing the Environmental Endocrine Disrupting Chemicals in Water: A Review. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 261-292 | 0.8 | |
| 519 | An ultra-dispersive, nonprecious metal MOF@Zn catalyst with good oxygen reduction activity and favorable stability in acid. <i>Journal of Materials Science</i> , 2021 , 56, 8600-8612 | 4.3 | 2 |
| 518 | Co-fermentation of sewage sludge and algae and Fe ²⁺ addition for enhancing hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 8950-8960 | 6.7 | 9 |
| 517 | Long-term sulfide input enhances chemoautotrophic denitrification rather than DNRA in freshwater lake sediments. <i>Environmental Pollution</i> , 2021 , 270, 116201 | 9.3 | 13 |
| 516 | Comparison of fermentative hydrogen production from glycerol using immobilized and suspended mixed cultures. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 8986-8994 | 6.7 | 14 |
| 515 | Enhanced dechlorination of carbon tetrachloride by Ni-doped zero-valent iron nanoparticles @ magnetic Fe ₃ O ₄ (Ni ₄ /Fe@Fe ₃ O ₄) nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 623, 126691 | 5.1 | 1 |
| 514 | Lateral flow immunoassay for furazolidone point-of-care testing: Cater to the call of saving time, labor, and cost by coomassie brilliant blue labeling. <i>Food Chemistry</i> , 2021 , 352, 129415 | 8.5 | 4 |
| 513 | Influence of butyrate on fermentative hydrogen production and microbial community analysis. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 26825-26833 | 6.7 | 4 |
| 512 | Treatment of pharmaceutical wastewater by ionizing radiation: Removal of antibiotics, antimicrobial resistance genes and antimicrobial activity. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125724 | 12.8 | 15 |
| 511 | Enhancing biohydrogen production from disintegrated sewage sludge by combined sodium citrate-thermal pretreatment. <i>Journal of Cleaner Production</i> , 2021 , 312, 127756 | 10.3 | 6 |
| 510 | Fe-based Fenton-like catalysts for water treatment: Preparation, characterization and modification. <i>Chemosphere</i> , 2021 , 276, 130177 | 8.4 | 63 |

| | | | |
|-----|---|------|----|
| 509 | Bioinspired Neuron-like Adsorptive Networks for Heavy Metal Capture and Tunable Electrochemically Mediated Recovery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45077-45088 | 9.5 | 2 |
| 508 | Adsorptive removal of Sr(II) from aqueous solution by polyvinyl alcohol/graphene oxide aerogel. <i>Chemosphere</i> , 2021 , 278, 130492 | 8.4 | 9 |
| 507 | Enhanced antimicrobial activity of konjac glucomannan nanocomposite films for food packaging. <i>Carbohydrate Polymers</i> , 2021 , 267, 118215 | 10.3 | 7 |
| 506 | Biofilm-Developed Microplastics As Vectors of Pollutants in Aquatic Environments. <i>Environmental Science & Technology</i> , 2021 , 55, 12780-12790 | 10.3 | 6 |
| 505 | A Conductive Network and Dipole Field for Harnessing Photogenerated Charge Kinetics. <i>Advanced Materials</i> , 2021 , 33, e2104099 | 24 | 2 |
| 504 | Nitrogen doping sludge-derived biochar to activate peroxydisulfate for degradation of sulfamethoxazole: Modulation of degradation mechanism by calcination temperature. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126309 | 12.8 | 16 |
| 503 | Degradation of antibiotic Cephalosporin C in different water matrices by ionizing radiation: Degradation kinetics, pathways, and toxicity. <i>Science of the Total Environment</i> , 2021 , 791, 148253 | 10.2 | 3 |
| 502 | Clostridium species for fermentative hydrogen production: An overview. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 34599-34625 | 6.7 | 10 |
| 501 | Adsorptive removal of pharmaceutical pollutants by defective metal organic framework UiO-66: Insight into the contribution of defects. <i>Chemosphere</i> , 2021 , 281, 130997 | 8.4 | 12 |
| 500 | Advanced treatment of antibiotic wastewater by ionizing radiation combined with peroxydisulfate/H ₂ O ₂ oxidation. <i>Journal of Cleaner Production</i> , 2021 , 321, 128921 | 10.3 | 1 |
| 499 | Biohydrogen production by co-fermentation of antibiotic fermentation residue and fallen leaves: Insights into the microbial community and functional genes. <i>Bioresource Technology</i> , 2021 , 337, 125380 | 11 | 4 |
| 498 | Solidification of radioactive wastes by cement-based materials. <i>Progress in Nuclear Energy</i> , 2021 , 141, 103957 | 2.3 | 6 |
| 497 | Photothermal-boosted effect of binary CuFe bimetallic magnetic MOF heterojunction for high-performance photo-Fenton degradation of organic pollutants. <i>Science of the Total Environment</i> , 2021 , 795, 148883 | 10.2 | 6 |
| 496 | N-doped aluminum-graphite (Al-Gr-N) composite for enhancing in-situ production and activation of hydrogen peroxide to treat landfill leachate. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120407 | 21.8 | 13 |
| 495 | Various electron donors for biological nitrate removal: A review. <i>Science of the Total Environment</i> , 2021 , 794, 148699 | 10.2 | 39 |
| 494 | Visible light responsive, self-activated bionanocomposite films with sustained antimicrobial activity for food packaging. <i>Food Chemistry</i> , 2021 , 362, 130201 | 8.5 | 11 |
| 493 | Radiolytic degradation of thiophene: Performance, pathway and toxicity evaluation. <i>Radiation Physics and Chemistry</i> , 2021 , 189, 109738 | 2.5 | 1 |
| 492 | Inhibition of ferrous iron (Fe) to sulfur-driven autotrophic denitrification: Insight into microbial community and functional genes. <i>Bioresource Technology</i> , 2021 , 342, 125960 | 11 | 3 |

| | | | |
|-----|--|------|-----|
| 491 | An enhancement of singlet oxygen generation from dissolved oxygen activated by three-dimensional graphene wrapped nZVI-doped amorphous Al species for chloramphenicol removal in the Fenton-like system. <i>Chemical Engineering Journal</i> , 2021 , 425, 131497 | 14.7 | 4 |
| 490 | Removal of antibiotic resistance genes (ARGs) in various wastewater treatment processes: An overview. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 1-60 | 11.1 | 19 |
| 489 | Nanobodies Based on a Sandwich Immunoassay for the Detection of Staphylococcal Enterotoxin B Free from Interference by Protein A. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5959-5968 | 5.7 | 12 |
| 488 | Formation of anaerobic granules and microbial community structure analysis in anaerobic hydrolysis denitrification reactor. <i>Science of the Total Environment</i> , 2020 , 737, 139734 | 10.2 | 11 |
| 487 | Degradation of norfloxacin in aqueous solution by ionizing irradiation: Kinetics, pathway and biological toxicity. <i>Chemical Engineering Journal</i> , 2020 , 395, 125095 | 14.7 | 57 |
| 486 | Functional nanozyme mediated multi-readout and label-free lateral flow immunoassay for rapid detection of Escherichia coli O157:H7. <i>Food Chemistry</i> , 2020 , 329, 127224 | 8.5 | 27 |
| 485 | Adsorption isotherm models: Classification, physical meaning, application and solving method. <i>Chemosphere</i> , 2020 , 258, 127279 | 8.4 | 277 |
| 484 | In Situ Cascade Derivation toward a Hierarchical Layered Double Hydroxide Magnetic Absorbent for High-Performance Protein Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4966-4974 | 8.3 | 22 |
| 483 | An Integrating Platform of Ratiometric Fluorescent Adsorbent for Unconventional Real-Time Removing and Monitoring of Copper Ions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13189-13199 | 9.5 | 25 |
| 482 | Equilibrium, kinetics and molecular dynamic modeling of Sr sorption onto microplastics. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123324 | 12.8 | 28 |
| 481 | Mechanical penetration of β -lactam-resistant Gram-negative bacteria by programmable nanowires. <i>Science Advances</i> , 2020 , 6, | 14.3 | 11 |
| 480 | An ultrasimple and cost-effective μ PAD by pasting hydrophilic channels to a hydrophobic basement. <i>Food Frontiers</i> , 2020 , 1, 192-199 | 4.2 | 1 |
| 479 | Reactive species in advanced oxidation processes: Formation, identification and reaction mechanism. <i>Chemical Engineering Journal</i> , 2020 , 401, 126158 | 14.7 | 254 |
| 478 | Synthesis of a high-performance low-platinum PtAg/C alloyed oxygen reduction catalyst through the gradual reduction method. <i>New Journal of Chemistry</i> , 2020 , 44, 3728-3736 | 3.6 | 10 |
| 477 | H ₂ -induced thermal treatment significantly influences the development of a high performance low-platinum core-shell PtNi/C alloyed oxygen reduction catalyst. <i>International Journal of Energy Research</i> , 2020 , 44, 4773-4783 | 4.5 | 5 |
| 476 | Enhanced heterogeneous Fenton-like degradation of nuclear-grade cationic exchange resin by nanoscale zero-valent iron: experiments and DFT calculations. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 13773-13789 | 5.1 | 3 |
| 475 | Adsorption kinetic models: Physical meanings, applications, and solving methods. <i>Journal of Hazardous Materials</i> , 2020 , 390, 122156 | 12.8 | 394 |
| 474 | Biosorption of uranium by immobilized <i>Saccharomyces cerevisiae</i> . <i>Journal of Environmental Radioactivity</i> , 2020 , 213, 106158 | 2.4 | 23 |

| | | | |
|-----|--|------|-----|
| 473 | Polydopamine nanospheres as high-affinity signal tag towards lateral flow immunoassay for sensitive furazolidone detection. <i>Food Chemistry</i> , 2020 , 315, 126310 | 8.5 | 25 |
| 472 | Catalytic activation of O by Al-CNTs-CuO composite for Fenton-like degradation of sulfamerazine antibiotic at wide pH range. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122751 | 12.8 | 23 |
| 471 | The degradation, biodegradability and toxicity evaluation of sulfamethazine antibiotics by gamma radiation. <i>Open Chemistry</i> , 2020 , 18, 1188-1194 | 1.6 | 5 |
| 470 | Pretreatment of antibiotic fermentation residues by combined ultrasound and alkali for enhancing biohydrogen production. <i>Journal of Cleaner Production</i> , 2020 , 268, 122190 | 10.3 | 16 |
| 469 | Enhancement of ionizing radiation-induced catalytic degradation of antibiotics using Fe/C nanomaterials derived from Fe-based MOFs. <i>Journal of Hazardous Materials</i> , 2020 , 389, 122148 | 12.8 | 18 |
| 468 | Accelerated lithium-ion conduction in covalent organic frameworks. <i>Chemical Communications</i> , 2020 , 56, 10465-10468 | 5.8 | 17 |
| 467 | Magnetic COFs for the adsorptive removal of diclofenac and sulfamethazine from aqueous solution: Adsorption kinetics, isotherms study and DFT calculation. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121596 | 12.8 | 53 |
| 466 | Enhanced simultaneous nitrification and denitrification performance in a fixed-bed system packed with PHBV/PLA blends. <i>International Biodeterioration and Biodegradation</i> , 2020 , 146, 104810 | 4.8 | 9 |
| 465 | Degradation of antibiotics by advanced oxidation processes: An overview. <i>Science of the Total Environment</i> , 2020 , 701, 135023 | 10.2 | 348 |
| 464 | Nitrogen, sulfur and oxygen co-doped carbon-armored Co/CoS rods (Co/CoS@N-S-O-C) as efficient activator of peroxymonosulfate for sulfamethoxazole degradation. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121669 | 12.8 | 29 |
| 463 | Heterotrophic nitrification and aerobic denitrification by a novel <i>Acinetobacter</i> sp. ND7 isolated from municipal activated sludge. <i>Bioresource Technology</i> , 2020 , 301, 122749 | 11 | 83 |
| 462 | Small size nanoparticles-CoO based lateral flow immunoassay biosensor for highly sensitive and rapid detection of furazolidone. <i>Talanta</i> , 2020 , 211, 120729 | 6.2 | 12 |
| 461 | Peroxymonosulfate activation by Co ₉ S ₈ @ S and N co-doped biochar for sulfamethoxazole degradation. <i>Chemical Engineering Journal</i> , 2020 , 385, 123933 | 14.7 | 56 |
| 460 | Conductive polyaniline-graphene oxide sorbent for electrochemically assisted solid-phase extraction of lead ions in aqueous food samples. <i>Analytica Chimica Acta</i> , 2020 , 1100, 57-65 | 6.6 | 15 |
| 459 | A novel strategy of successive non-radical and radical process for enhancing the utilization efficiency of persulfate. <i>Chemosphere</i> , 2020 , 245, 125555 | 8.4 | 8 |
| 458 | Degradation of carbamazepine by combined radiation and persulfate oxidation process. <i>Radiation Physics and Chemistry</i> , 2020 , 170, 108639 | 2.5 | 13 |
| 457 | Development of a specific nanobody and its application in rapid and selective determination of <i>Salmonella enteritidis</i> in milk. <i>Food Chemistry</i> , 2020 , 310, 125942 | 8.5 | 25 |
| 456 | Catalytic ozonation for water and wastewater treatment: Recent advances and perspective. <i>Science of the Total Environment</i> , 2020 , 704, 135249 | 10.2 | 257 |

| | | | |
|-----|--|------|-----|
| 455 | Uranium biosorption by immobilized active yeast cells entrapped in calcium-alginate-PVA-GO-crosslinked gel beads. <i>Radiochimica Acta</i> , 2020 , 108, 273-286 | 1.9 | 12 |
| 454 | Adsorption of naphthalene onto loess soil of Northwestern China. <i>Energy and Environment</i> , 2020 , 31, 1335-1349 | 2.4 | 0 |
| 453 | Nanozyme amplification mediated on-demand multiplex lateral flow immunoassay with dual-readout and broadened detection range. <i>Biosensors and Bioelectronics</i> , 2020 , 169, 112610 | 11.8 | 23 |
| 452 | Poly amidoxime functionalized carbon nanotube as an efficient adsorbent for removal of uranium from aqueous solution. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114288 | 6 | 15 |
| 451 | Biohydrogen production from waste activated sludge pretreated by combining sodium citrate with ultrasonic: Energy conversion and microbial community. <i>Energy Conversion and Management</i> , 2020 , 225, 113436 | 10.6 | 16 |
| 450 | Biosorptive removal of cobalt(II) from aqueous solutions using magnetic cyanoethyl chitosan beads. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104531 | 6.8 | 9 |
| 449 | Occurrence and fate of antibiotics, antibiotic resistant genes (ARGs) and antibiotic resistant bacteria (ARB) in municipal wastewater treatment plant: An overview. <i>Science of the Total Environment</i> , 2020 , 744, 140997 | 10.2 | 184 |
| 448 | Peroxymonosulfate Activation by Fe-Co-O-Codoped Graphite Carbon Nitride for Degradation of Sulfamethoxazole. <i>Environmental Science & Technology</i> , 2020 , 54, 10361-10369 | 10.3 | 128 |
| 447 | Fenton oxidative degradation of spent organic solvents from nuclear fuel reprocessing plant. <i>Progress in Nuclear Energy</i> , 2020 , 130, 103563 | 2.3 | 5 |
| 446 | Electro-assisted adsorption of Cs(I) and Co(II) from aqueous solution by capacitive deionization with activated carbon cloth/graphene oxide composite electrode. <i>Science of the Total Environment</i> , 2020 , 749, 141524 | 10.2 | 18 |
| 445 | Copper-Sensitized Turn On Peroxidase-Like Activity of M ₂ MoO ₄ (M = Co, Ni) Flowers for Selective Detection of Aquatic Copper Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12568-12576 | 8.3 | 16 |
| 444 | High-Efficient Generation of HO ₂ by Aluminum-Graphite Composite through Selective Oxygen Reduction for Degradation of Organic Contaminants. <i>Environmental Science & Technology</i> , 2020 , 54, 14085-14095 | 10.3 | 44 |
| 443 | Biosorption of Sr ²⁺ and Cs ⁺ onto <i>Undaria pinnatifida</i> : Isothermal titration calorimetry and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114146 | 6 | 12 |
| 442 | Adsorptive removal of plasticizer (dimethyl phthalate) and antibiotic (sulfamethazine) from municipal wastewater by magnetic carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114267 | 6 | 13 |
| 441 | One-step microwave-assisted synthesis of carbon-supported ternary Pt-Sn-Rh alloy nanoparticles for fuel cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 115, 272-278 | 5.3 | 3 |
| 440 | Insight into the mechanism of chemoautotrophic denitrification using pyrite (FeS) as electron donor. <i>Bioresource Technology</i> , 2020 , 318, 124105 | 11 | 19 |
| 439 | Developing a Simple Immunochromatography Assay for Clenbuterol with Sensitivity by One-Step Staining. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 15509-15515 | 5.7 | 9 |
| 438 | To pursue Fe ₃ O ₄ -PANI/CNT catalysts for oxygen reduction reaction in acid medium with controlled molecular self-assembly method. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 29655-29667 | 6.7 | 4 |

| | | | |
|-----|---|------|----|
| 437 | Enhanced performance of anaerobic digestion of cephalosporin C fermentation residues by gamma irradiation-induced pretreatment. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121335 | 12.8 | 11 |
| 436 | Degradation of diclofenac in aqueous solution by ionizing radiation in the presence of humic acid. <i>Separation and Purification Technology</i> , 2020 , 234, 116079 | 8.3 | 32 |
| 435 | Kinetics of PMS activation by graphene oxide and biochar. <i>Chemosphere</i> , 2020 , 239, 124812 | 8.4 | 32 |
| 434 | Efficient removal of Cs(I) from aqueous solution using graphene oxide. <i>Progress in Nuclear Energy</i> , 2020 , 119, 103167 | 2.3 | 22 |
| 433 | Treatment of fresh leachate from a municipal solid waste incineration plant by combined radiation with coagulation process. <i>Radiation Physics and Chemistry</i> , 2020 , 166, 108501 | 2.5 | 11 |
| 432 | Iron and sulfur co-doped graphite carbon nitride (FeOy/S-g-C3N4) for activating peroxymonosulfate to enhance sulfamethoxazole degradation. <i>Chemical Engineering Journal</i> , 2020 , 382, 122836 | 14.7 | 63 |
| 431 | Iron-copper bimetallic metal-organic frameworks for efficient Fenton-like degradation of sulfamethoxazole under mild conditions. <i>Chemosphere</i> , 2020 , 241, 125002 | 8.4 | 69 |
| 430 | Fouling and cleaning protocols for forward osmosis membrane used for radioactive wastewater treatment. <i>Nuclear Engineering and Technology</i> , 2020 , 52, 581-588 | 2.6 | 18 |
| 429 | Cesium separation from radioactive waste by extraction and adsorption based on crown ethers and calixarenes. <i>Nuclear Engineering and Technology</i> , 2020 , 52, 328-336 | 2.6 | 46 |
| 428 | Metal organic framework (La-PDA) as an effective adsorbent for the removal of uranium(VI) from aqueous solution. <i>Radiochimica Acta</i> , 2020 , 108, 195-206 | 1.9 | 8 |
| 427 | Performance and deterioration of forward osmosis membrane exposed to various dose of gamma-ray irradiation. <i>Annals of Nuclear Energy</i> , 2020 , 135, 106950 | 1.7 | 8 |
| 426 | Dual recognition strategy and magnetic enrichment based lateral flow assay toward Salmonella enteritidis detection. <i>Talanta</i> , 2020 , 206, 120204 | 6.2 | 35 |
| 425 | Treatment of membrane filtration concentrate of coking wastewater using PMS/chloridion oxidation process. <i>Chemical Engineering Journal</i> , 2020 , 379, 122361 | 14.7 | 25 |
| 424 | Degradation of antibiotics and inactivation of antibiotic resistance genes (ARGs) in Cephalosporin C fermentation residues using ionizing radiation, ozonation and thermal treatment. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121058 | 12.8 | 37 |
| 423 | Covalent organic frameworks as efficient adsorbent for sulfamerazine removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121126 | 12.8 | 93 |
| 422 | Enhanced degradation and mineralization of sulfamethoxazole by integrating gamma radiation with Fenton-like processes. <i>Radiation Physics and Chemistry</i> , 2020 , 166, 108457 | 2.5 | 19 |
| 421 | Rapid one-step synthesis of carbon-supported platinum-copper nanoparticles with enhanced electrocatalytic activity via microwave-assisted heating. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 421-429 | 9.3 | 16 |
| 420 | Diversely positive-charged gold nanoparticles based biosensor: A label-free and sensitive tool for foodborne pathogen detection. <i>Food Chemistry: X</i> , 2019 , 3, 100052 | 4.7 | 11 |

| | | | |
|-----------------|---|------|-----|
| 4 ¹⁹ | Removal of cesium ions using nickel hexacyanoferrates-loaded bacterial cellulose membrane as an effective adsorbent. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111682 | 6 | 19 |
| 4 ¹⁸ | Electro-enhanced removal of cobalt ions from aqueous solution by capacitive deionization. <i>Science of the Total Environment</i> , 2019 , 697, 134144 | 10.2 | 22 |
| 4 ¹⁷ | Enhanced Sewage Sludge Disintegration and Hydrogen Production by Ionizing Radiation Pretreatment in the Presence of Fe ²⁺ . <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15548-15557 | 8.3 | 17 |
| 4 ¹⁶ | NH-MIL-53(Al) Metal-Organic Framework as the Smart Platform for Simultaneous High-Performance Detection and Removal of Hg. <i>Inorganic Chemistry</i> , 2019 , 58, 12573-12581 | 5.1 | 66 |
| 4 ¹⁵ | Covalent organic frameworks (COFs) for environmental applications. <i>Coordination Chemistry Reviews</i> , 2019 , 400, 213046 | 23.2 | 198 |
| 4 ¹⁴ | An advanced and universal method to high-efficiently deproteinize plant polysaccharides by dual-functional tannic acid-Fe complex. <i>Carbohydrate Polymers</i> , 2019 , 226, 115283 | 10.3 | 18 |
| 4 ¹³ | Algal sorbent derived from <i>Sargassum horneri</i> for adsorption of cesium and strontium ions: equilibrium, kinetics, and mass transfer. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 2833-2843 | 5.7 | 29 |
| 4 ¹² | Thiocholine-triggered reaction in personal glucose meters for portable quantitative detection of organophosphorus pesticide. <i>Analytica Chimica Acta</i> , 2019 , 1060, 97-102 | 6.6 | 26 |
| 4 ¹¹ | Amorphous Fe/Mn bimetal-organic frameworks: outer and inner structural designs for efficient arsenic(III) removal. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2845-2854 | 13 | 61 |
| 4 ¹⁰ | New Functional Tracer-Two-Dimensional Nanosheet-Based Immunochromatographic Assay for <i>Salmonella enteritidis</i> Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6642-6649 | 5.7 | 24 |
| 4 ⁰⁹ | Removal of Co, Sr and Cs ions from simulated radioactive wastewater by forward osmosis. <i>Chemosphere</i> , 2019 , 232, 87-95 | 8.4 | 36 |
| 4 ⁰⁸ | Nitrogen-doped graphene as peroxymonosulfate activator and electron transfer mediator for the enhanced degradation of sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2019 , 375, 122041 | 14.7 | 81 |
| 4 ⁰⁷ | MOF-derived three-dimensional flower-like FeCu@C composite as an efficient Fenton-like catalyst for sulfamethazine degradation. <i>Chemical Engineering Journal</i> , 2019 , 375, 122007 | 14.7 | 84 |
| 4 ⁰⁶ | Strategy of combining radiation with ferrate oxidation for enhancing the degradation and mineralization of carbamazepine. <i>Science of the Total Environment</i> , 2019 , 687, 1028-1033 | 10.2 | 11 |
| 4 ⁰⁵ | Self-ZIF template-directed synthesis of a CoS nanoflake array as a Janus electrocatalyst for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2090-2095 | 6.8 | 23 |
| 4 ⁰⁴ | Degradation of antibiotic cephalosporin C in aqueous solution and elimination of antimicrobial activity by gamma irradiation. <i>Chemical Engineering Journal</i> , 2019 , 374, 1102-1108 | 14.7 | 16 |
| 4 ⁰³ | A general kinetic model for adsorption: Theoretical analysis and modeling. <i>Journal of Molecular Liquids</i> , 2019 , 288, 111100 | 6 | 166 |
| 4 ⁰² | Catalytic ozonation of sulfamethoxazole over FeO/CoO composites. <i>Chemosphere</i> , 2019 , 234, 14-24 | 8.4 | 79 |

| | | | |
|-----|---|------|-----|
| 401 | Development of a Rapid Test Method for Salmonella enterica Detection Based on Fluorescence Probe-Based Recombinase Polymerase Amplification. <i>Food Analytical Methods</i> , 2019 , 12, 1791-1798 | 3.4 | 7 |
| 400 | Removal of cesium ions from aqueous solutions using various separation technologies. <i>Reviews in Environmental Science and Biotechnology</i> , 2019 , 18, 231-269 | 13.9 | 97 |
| 399 | Preparation, modification and environmental application of biochar: A review. <i>Journal of Cleaner Production</i> , 2019 , 227, 1002-1022 | 10.3 | 587 |
| 398 | Two-Dimensional Zeolitic Imidazolate Framework-L-Derived Iron-Cobalt Oxide Nanoparticle-Composed Nanosheet Array for Water Oxidation. <i>Inorganic Chemistry</i> , 2019 , 58, 6231-6237 ^{5.1} | | 3 |
| 397 | Microbial community diversity during fermentative hydrogen production inoculating various pretreated cultures. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 13147-13156 | 6.7 | 53 |
| 396 | Sorption of sulfamethoxazole onto six types of microplastics. <i>Chemosphere</i> , 2019 , 228, 300-308 | 8.4 | 109 |
| 395 | The phenomenological mass transfer kinetics model for Sr sorption onto spheroids primary microplastics. <i>Environmental Pollution</i> , 2019 , 250, 737-745 | 9.3 | 53 |
| 394 | Hydrogen production and energy recovery from macroalgae <i>Saccharina japonica</i> by different pretreatment methods. <i>Renewable Energy</i> , 2019 , 141, 1-8 | 8.1 | 22 |
| 393 | High-performance electrochemical nitrite sensing enabled using commercial carbon fiber cloth. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1501-1506 | 6.8 | 10 |
| 392 | Progress in microbiology for fermentative hydrogen production from organic wastes. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 825-865 | 11.1 | 41 |
| 391 | The chemical behaviors of microplastics in marine environment: A review. <i>Marine Pollution Bulletin</i> , 2019 , 142, 1-14 | 6.7 | 197 |
| 390 | Label-free strip sensor based on surface positively charged nitrogen-rich carbon nanoparticles for rapid detection of <i>Salmonella enteritidis</i> . <i>Biosensors and Bioelectronics</i> , 2019 , 132, 360-367 | 11.8 | 48 |
| 389 | Degradation of sulfamethoxazole by ionizing radiation: Kinetics and implications of additives. <i>Science of the Total Environment</i> , 2019 , 668, 67-73 | 10.2 | 57 |
| 388 | Admission Heart Rate Is Associated With Coronary Artery Disease Severity and Complexity in Patients With Acute Coronary Syndrome. <i>Angiology</i> , 2019 , 70, 774-781 | 2.1 | 2 |
| 387 | Enhanced biohydrogen production from macroalgae by zero-valent iron nanoparticles: Insights into microbial and metabolites distribution. <i>Bioresource Technology</i> , 2019 , 282, 110-117 | 11 | 35 |
| 386 | Fermentative hydrogen production from macroalgae <i>Laminaria japonica</i> pretreated by microwave irradiation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 10398-10406 | 6.7 | 27 |
| 385 | Removal of U(VI) from aqueous solution using phosphate functionalized bacterial cellulose as efficient adsorbent. <i>Radiochimica Acta</i> , 2019 , 107, 459-467 | 1.9 | 16 |
| 384 | Rapid and selective fluorometric determination of tannic acid using MoO ₃ -x quantum dots. <i>Mikrochimica Acta</i> , 2019 , 186, 247 | 5.8 | 15 |

| | | | |
|-----|--|------|-----|
| 383 | Biohydrogen production from co-fermentation of fallen leaves and sewage sludge. <i>Bioresource Technology</i> , 2019 , 285, 121342 | 11 | 45 |
| 382 | Synergistic enhancement of biohydrogen production from grass fermentation using biochar combined with zero-valent iron nanoparticles. <i>Fuel</i> , 2019 , 251, 420-427 | 7.1 | 41 |
| 381 | Reduction of nitrate by zero valent iron (ZVI)-based materials: A review. <i>Science of the Total Environment</i> , 2019 , 671, 388-403 | 10.2 | 154 |
| 380 | Removal of nuclides and boric acid from simulated radioactive wastewater by forward osmosis. <i>Progress in Nuclear Energy</i> , 2019 , 114, 155-163 | 2.3 | 16 |
| 379 | The occurrence, distribution and degradation of antibiotics by ionizing radiation: An overview. <i>Science of the Total Environment</i> , 2019 , 646, 1385-1397 | 10.2 | 233 |
| 378 | Patulin removal from apple juice using a novel cysteine-functionalized metal-organic framework adsorbent. <i>Food Chemistry</i> , 2019 , 270, 1-9 | 8.5 | 51 |
| 377 | Nanostructured morphology control and phase transition of zeolitic imidazolate frameworks as an ultra-high performance adsorbent for water purification. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2667-2674 | 6.8 | 19 |
| 376 | Adsorptive removal of strontium ions from aqueous solution by graphene oxide. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 29669-29678 | 5.1 | 16 |
| 375 | Degradation characteristics of membrane electrode assembly under drive cycle test protocol. <i>International Journal of Green Energy</i> , 2019 , 16, 789-795 | 3 | 7 |
| 374 | Extraction and adsorption of U(VI) from aqueous solution using affinity ligand-based technologies: an overview. <i>Reviews in Environmental Science and Biotechnology</i> , 2019 , 18, 437-452 | 13.9 | 42 |
| 373 | Mixed-Valence Ce-BPyDC Metal-Organic Framework with Dual Enzyme-like Activities for Colorimetric Biosensing. <i>Inorganic Chemistry</i> , 2019 , 58, 11382-11388 | 5.1 | 42 |
| 372 | Sorption of antibiotics onto aged microplastics in freshwater and seawater. <i>Marine Pollution Bulletin</i> , 2019 , 149, 110511 | 6.7 | 88 |
| 371 | Degradation of antibiotics and antibiotic resistance genes in erythromycin fermentation residues using radiation coupled with peroxymonosulfate oxidation. <i>Waste Management</i> , 2019 , 96, 190-197 | 8.6 | 18 |
| 370 | Antibiotic fermentation residue for biohydrogen production using different pretreated cultures: Performance evaluation and microbial community analysis. <i>Bioresource Technology</i> , 2019 , 292, 122012 | 11 | 18 |
| 369 | Mechanistic insight into the adsorption of diclofenac by MIL-100: Experiments and theoretical calculations. <i>Environmental Pollution</i> , 2019 , 253, 616-624 | 9.3 | 44 |
| 368 | Tetrathiomolybdate@ZIFs nanocrystal clusters: A novel modular and controllable catalyst for photocatalytic application. <i>Materials and Design</i> , 2019 , 182, 108042 | 8.1 | 5 |
| 367 | Mechanisms of enhanced biohydrogen production from macroalgae by ferrous ion: Insights into correlations of microbes and metabolites. <i>Bioresource Technology</i> , 2019 , 291, 121808 | 11 | 19 |
| 366 | Highly efficient and cost-effective removal of patulin from apple juice by surface engineering of diatomite with sulfur-functionalized graphene oxide. <i>Food Chemistry</i> , 2019 , 300, 125111 | 8.5 | 12 |

| | | | |
|-----|--|------|-----|
| 365 | Enhanced mineralization of sulfamethoxazole by gamma radiation in the presence of FeO as Fenton-like catalyst. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 27712-27725 | 5.1 | 15 |
| 364 | Phytoremediation of cadmium-contaminated soil by Sorghum bicolor and the variation of microbial community. <i>Chemosphere</i> , 2019 , 235, 985-994 | 8.4 | 27 |
| 363 | Sorption of sulfamethazine onto different types of microplastics: A combined experimental and molecular dynamics simulation study. <i>Marine Pollution Bulletin</i> , 2019 , 145, 547-554 | 6.7 | 69 |
| 362 | Surface Engineering of Carbon Fiber Paper toward Exceptionally High-Performance and Stable Electrochemical Nitrite Sensing. <i>ACS Sensors</i> , 2019 , 4, 2980-2987 | 9.2 | 33 |
| 361 | Enhancing biohydrogen production from waste activated sludge disintegrated by sodium citrate. <i>Fuel</i> , 2019 , 258, 116177 | 7.1 | 15 |
| 360 | Comparison of linearization methods for modeling the Langmuir adsorption isotherm. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111850 | 6 | 89 |
| 359 | Changes in microbial community structure during dark fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 25542-25550 | 6.7 | 32 |
| 358 | Removal of bacteriophage f2 in water by Fe/Ni nanoparticles: Optimization of Fe/Ni ratio and influencing factors. <i>Science of the Total Environment</i> , 2019 , 649, 995-1003 | 10.2 | 12 |
| 357 | Activation of peroxymonosulfate by sludge-derived biochar for the degradation of triclosan in water and wastewater. <i>Chemical Engineering Journal</i> , 2019 , 356, 350-358 | 14.7 | 165 |
| 356 | Applicability of biological dye tracer in strip biosensor for ultrasensitive detection of pathogenic bacteria. <i>Food Chemistry</i> , 2019 , 274, 816-821 | 8.5 | 31 |
| 355 | Degradation of macrolide antibiotic erythromycin and reduction of antimicrobial activity using persulfate activated by gamma radiation in different water matrices. <i>Chemical Engineering Journal</i> , 2019 , 361, 156-166 | 14.7 | 48 |
| 354 | Oxidative removal of carbamazepine by peroxymonosulfate (PMS) combined to ionizing radiation: Degradation, mineralization and biological toxicity. <i>Science of the Total Environment</i> , 2019 , 658, 1367-1374 | 10.2 | 41 |
| 353 | Portable Colorimetric Detection of Mercury(II) Based on a Non-Noble Metal Nanozyme with Tunable Activity. <i>Inorganic Chemistry</i> , 2019 , 58, 1638-1646 | 5.1 | 74 |
| 352 | Degradation of antibiotics and antibiotic resistance genes in fermentation residues by ionizing radiation: A new insight into a sustainable management of antibiotic fermentative residuals. <i>Journal of Environmental Management</i> , 2019 , 232, 171-178 | 7.9 | 32 |
| 351 | Adsorption of diclofenac from aqueous solution using UiO-66-type metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2019 , 359, 354-362 | 14.7 | 115 |
| 350 | Optimization of fermentative hydrogen production by Enterococcus faecium INET2 using response surface methodology. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1483-1491 | 6.7 | 15 |
| 349 | Amino-Functionalized Al-MOF for Fluorescent Detection of Tetracyclines in Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 1277-1283 | 5.7 | 100 |
| 348 | Biohydrogen production by co-fermentation of sewage sludge and grass residue: Effect of various substrate concentrations. <i>Fuel</i> , 2019 , 237, 1203-1208 | 7.1 | 29 |

| | | | |
|-----|---|------|-----|
| 347 | Adsorption of Sr(II) from water by mercerized bacterial cellulose membrane modified with EDTA. <i>Journal of Hazardous Materials</i> , 2019 , 364, 645-653 | 12.8 | 91 |
| 346 | Ultrasound combined with dilute acid pretreatment of grass for improvement of fermentative hydrogen production. <i>Bioresource Technology</i> , 2019 , 275, 10-18 | 11 | 61 |
| 345 | Inactivation of antibiotic resistance genes in antibiotic fermentation residues by ionizing radiation: Exploring the development of recycling economy in antibiotic pharmaceutical factory. <i>Waste Management</i> , 2019 , 84, 141-146 | 8.6 | 35 |
| 344 | Dissolution and degradation of nuclear grade cationic exchange resin by Fenton oxidation combining experimental results and DFT calculations. <i>Chemical Engineering Journal</i> , 2019 , 361, 1511-1523 | 14.7 | 19 |
| 343 | Removal of cobalt ion from aqueous solution using magnetic graphene oxide/chitosan composite. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, S32-S41 | 2.5 | 43 |
| 342 | Fermentative hydrogen production using pretreated microalgal biomass as feedstock. <i>Microbial Cell Factories</i> , 2018 , 17, 22 | 6.4 | 81 |
| 341 | Highly specific and sensitive determination of propyl gallate in food by a novel fluorescence sensor. <i>Food Chemistry</i> , 2018 , 256, 45-52 | 8.5 | 18 |
| 340 | Traditional NiCo ₂ S ₄ Phase with Porous Nanosheets Array Topology on Carbon Cloth: A Flexible, Versatile and Fabulous Electrocatalyst for Overall Water and Urea Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5011-5020 | 8.3 | 114 |
| 339 | Microbial degradation of sulfamethoxazole in the environment. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 3573-3582 | 5.7 | 146 |
| 338 | A hybrid monolithic column based on layered double hydroxide-alginate hydrogel for selective solid phase extraction of lead ions in food and water samples. <i>Food Chemistry</i> , 2018 , 257, 155-162 | 8.5 | 42 |
| 337 | Surface Engineering of a Nickel Oxide-Nickel Hybrid Nanoarray as a Versatile Catalyst for Both Superior Water and Urea Oxidation. <i>Inorganic Chemistry</i> , 2018 , 57, 4693-4698 | 5.1 | 35 |
| 336 | Metal Organic Framework with Coordinatively Unsaturated Sites as Efficient Fenton-like Catalyst for Enhanced Degradation of Sulfamethazine. <i>Environmental Science & Technology</i> , 2018 , 52, 5367-5377 | 10.3 | 271 |
| 335 | Kinetic and equilibrium of U(VI) adsorption onto magnetic amidoxime-functionalized chitosan beads. <i>Journal of Cleaner Production</i> , 2018 , 188, 655-661 | 10.3 | 103 |
| 334 | Highly sensitive furazolidone monitoring in milk by a signal amplified lateral flow assay based on magnetite nanoparticles labeled dual-probe. <i>Food Chemistry</i> , 2018 , 261, 131-138 | 8.5 | 51 |
| 333 | Pretreatment of grass waste using combined ionizing radiation-acid treatment for enhancing fermentative hydrogen production. <i>Bioresource Technology</i> , 2018 , 255, 7-15 | 11 | 40 |
| 332 | High effective adsorption/removal of illegal food dyes from contaminated aqueous solution by Zr-MOFs (UiO-67). <i>Food Chemistry</i> , 2018 , 254, 241-248 | 8.5 | 107 |
| 331 | Bacterial capture efficiency in fluid bloodstream improved by bendable nanowires. <i>Nature Communications</i> , 2018 , 9, 444 | 17.4 | 37 |
| 330 | Iron doped fibrous-structured silica nanospheres as efficient catalyst for catalytic ozonation of sulfamethazine. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10090-10101 | 5.1 | 8 |

| | | | |
|-----|---|------|-----|
| 329 | Wet-chemistry topotactic synthesis of bimetallic ironnickel sulfide nanoarrays: an advanced and versatile catalyst for energy efficient overall water and urea electrolysis. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4346-4353 | 13 | 127 |
| 328 | Microbial degradation of triclosan by a novel strain of <i>Dyella</i> sp. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 1997-2006 | 5.7 | 24 |
| 327 | Oxygen-Generating MnO ₂ Nanodots-Anchored Versatile Nanoplatform for Combined Chemo-Photodynamic Therapy in Hypoxic Cancer. <i>Advanced Functional Materials</i> , 2018 , 28, 1706375 | 15.6 | 164 |
| 326 | Fermentative Hydrogen Production Using Disintegrated Waste-Activated Sludge by Low-Frequency Ultrasound Pretreatment. <i>Energy & Fuels</i> , 2018 , 32, 574-580 | 4.1 | 9 |
| 325 | Advanced treatment of petrochemical wastewater by combined ozonation and biological aerated filter. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 9673-9682 | 5.1 | 20 |
| 324 | Degradation of carbamazepine by radiation-induced activation of peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2018 , 336, 595-601 | 14.7 | 62 |
| 323 | Removal of cobalt ions from aqueous solution using chitosan grafted with maleic acid by gamma radiation. <i>Nuclear Engineering and Technology</i> , 2018 , 50, 211-215 | 2.6 | 45 |
| 322 | Degradation kinetics and mechanism of penicillin G in aqueous matrices by ionizing radiation. <i>Radiation Physics and Chemistry</i> , 2018 , 145, 34-38 | 2.5 | 28 |
| 321 | Highly sensitive and reproducible non-enzymatic glucose sensor fabricated by drop-casting novel nanocomposite with 3D architecture and tailorable properties prepared in controllable way. <i>Talanta</i> , 2018 , 180, 133-143 | 6.2 | 15 |
| 320 | The simultaneous detection and removal of organophosphorus pesticides by a novel Zr-MOF based smart adsorbent. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2184-2192 | 13 | 132 |
| 319 | Highly sensitive detection of a small molecule by a paired labels recognition system based lateral flow assay. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3161-3170 | 4.4 | 19 |
| 318 | Adsorption of uranium (VI) by amidoxime modified multiwalled carbon nanotubes. <i>Progress in Nuclear Energy</i> , 2018 , 106, 79-86 | 2.3 | 49 |
| 317 | Fluorometric determination of dopamine by using molybdenum disulfide quantum dots. <i>Mikrochimica Acta</i> , 2018 , 185, 234 | 5.8 | 35 |
| 316 | Interfacial growth of nitrogen-doped carbon with multi-functional groups on the MoS ₂ skeleton for efficient Pb(II) removal. <i>Science of the Total Environment</i> , 2018 , 631-632, 912-920 | 10.2 | 20 |
| 315 | Removal of Cs(I) from simulated radioactive wastewater by three forward osmosis membranes. <i>Chemical Engineering Journal</i> , 2018 , 344, 353-362 | 14.7 | 42 |
| 314 | N,S co-doped carbon dots based fluorescent "on-off-on" sensor for determination of ascorbic acid in common fruits. <i>Food Chemistry</i> , 2018 , 258, 214-221 | 8.5 | 116 |
| 313 | Treatment of Radioactive Wastewater from High-Temperature Gas-Cooled Reactor by Membrane System. <i>Nuclear Technology</i> , 2018 , 203, 101-107 | 1.4 | 2 |
| 312 | Fenton-like oxidation of 4-chlorophenol using HO ₂ in situ generated by Zn-Fe-CNTs composite. <i>Journal of Environmental Management</i> , 2018 , 214, 252-260 | 7.9 | 15 |

| | | | |
|-----------------|---|------|-----|
| 3 ¹¹ | Degradation of emerging contaminants by acclimated activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1985-1993 | 2.6 | 14 |
| 3 ¹⁰ | Modified alginate beads as biosensor and biosorbent for simultaneous detection and removal of cobalt ions from aqueous solution. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 260-266 | 2.5 | 10 |
| 3 ⁰⁹ | Simultaneous detection and removal of cobalt ions from aqueous solution by modified chitosan beads. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 385-394 | 3.3 | 37 |
| 3 ⁰⁸ | Biodegradation and metabolic pathway of sulfamethoxazole by a novel strain <i>Acinetobacter</i> sp. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 425-432 | 5.7 | 42 |
| 3 ⁰⁷ | Trimethoprim degradation by Fenton and Fe(II)-activated persulfate processes. <i>Chemosphere</i> , 2018 , 191, 97-105 | 8.4 | 67 |
| 3 ⁰⁶ | Enhanced fermentative hydrogen production using gamma irradiated sludge immobilized in polyvinyl alcohol (pva) gels. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 1183-1190 | 2.5 | 6 |
| 3 ⁰⁵ | Enhanced degradation and mineralization of 4-chloro-3-methyl phenol by Zn-CNTs/O system. <i>Chemosphere</i> , 2018 , 191, 54-63 | 8.4 | 21 |
| 3 ⁰⁴ | Catalytic ozonation of sulfamethazine antibiotics using Fe ₃ O ₄ /multiwalled carbon nanotubes. <i>Environmental Progress and Sustainable Energy</i> , 2018 , 37, 678-685 | 2.5 | 19 |
| 3 ⁰³ | Degradation of pyridine and quinoline in aqueous solution by gamma radiation. <i>Radiation Physics and Chemistry</i> , 2018 , 144, 322-328 | 2.5 | 28 |
| 3 ⁰² | Kinetics and microbial community analysis for hydrogen production using raw grass inoculated with different pretreated mixed culture. <i>Bioresource Technology</i> , 2018 , 247, 954-962 | 11 | 55 |
| 3 ⁰¹ | Enhancement of biohydrogen production from grass by ferrous ion and variation of microbial community. <i>Fuel</i> , 2018 , 233, 404-411 | 7.1 | 30 |
| 3 ⁰⁰ | Pretreatment of macroalgal <i>Laminaria japonica</i> by combined microwave-acid method for biohydrogen production. <i>Bioresource Technology</i> , 2018 , 268, 52-59 | 11 | 58 |
| 2 ⁹⁹ | Various additives for improving dark fermentative hydrogen production: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 95, 130-146 | 16.2 | 83 |
| 2 ⁹⁸ | Metal hexacyanoferrates-based adsorbents for cesium removal. <i>Coordination Chemistry Reviews</i> , 2018 , 374, 430-438 | 23.2 | 102 |
| 2 ⁹⁷ | Adsorptive catalysis of hierarchical porous heteroatom-doped biomass: from recovered heavy metal to efficient pollutant decontamination. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16690-16698 | 13 | 34 |
| 2 ⁹⁶ | Bioinspired foam with large 3D macropores for efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16220-16227 | 13 | 62 |
| 2 ⁹⁵ | Improving mechanisms of biohydrogen production from grass using zero-valent iron nanoparticles. <i>Bioresource Technology</i> , 2018 , 266, 413-420 | 11 | 80 |
| 2 ⁹⁴ | An improved clenbuterol detection by immunochromatographic assay with bacteria@Au composite as signal amplifier. <i>Food Chemistry</i> , 2018 , 262, 48-55 | 8.5 | 33 |

| | | | |
|-----|---|------|------|
| 293 | Biodegradation of typical pharmaceutical compounds by a novel strain <i>Acinetobacter</i> sp. <i>Journal of Environmental Management</i> , 2018 , 217, 240-246 | 7.9 | 48 |
| 292 | Fermentative hydrogen production using various biomass-based materials as feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 92, 284-306 | 16.2 | 124 |
| 291 | Adsorptive extraction of uranium (VI) from seawater using dihydroimidazole functionalized multiwalled carbon nanotubes. <i>Radiochimica Acta</i> , 2018 , 106, 719-731 | 1.9 | 15 |
| 290 | Degradation of triclosan and its main intermediates during the combined irradiation and biological treatment. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1115-1122 | 2.6 | 9 |
| 289 | Hydrogen-based membrane biofilm reactors for nitrate removal from water and wastewater. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 1-15 | 6.7 | 67 |
| 288 | Removal of cobalt ions from simulated radioactive wastewater by vacuum membrane distillation. <i>Progress in Nuclear Energy</i> , 2018 , 103, 20-27 | 2.3 | 52 |
| 287 | MOF/graphene oxide composite as an efficient adsorbent for the removal of organic dyes from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 5521-5528 | 5.1 | 46 |
| 286 | Treatment of flue gas desulfurization wastewater with near-zero liquid discharge by nanofiltration-membrane distillation process. <i>Separation Science and Technology</i> , 2018 , 53, 146-153 | 2.5 | 22 |
| 285 | Activation of persulfate (PS) and peroxymonosulfate (PMS) and application for the degradation of emerging contaminants. <i>Chemical Engineering Journal</i> , 2018 , 334, 1502-1517 | 14.7 | 1422 |
| 284 | Zn-Fe-CNTs catalytic in situ generation of HO for Fenton-like degradation of sulfamethoxazole. <i>Journal of Hazardous Materials</i> , 2018 , 342, 166-176 | 12.8 | 172 |
| 283 | Evaluating the Road-Bioretenion Strip System from a Hydraulic Perspective—Case Studies. <i>Water (Switzerland)</i> , 2018 , 10, 1778 | 3 | 5 |
| 282 | Internally extended growth of core-shell NH ₂ -MIL-101(Al)@ZIF-8 nanoflowers for the simultaneous detection and removal of Cu(II). <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21029-21038 | 13 | 88 |
| 281 | Energy-efficient 1.67 V single- and 0.90 V dual-electrolyte based overall water-electrolysis devices enabled by a ZIF-L derived acid-base bifunctional cobalt phosphide nanoarray. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24277-24284 | 13 | 38 |
| 280 | Kinetic, equilibrium, and thermodynamic performance of sulfonamides adsorption onto graphene. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 36615-36623 | 5.1 | 17 |
| 279 | Corrigendum to Decay Experiments of Effective N-Removing Microbial Communities in Sequencing Batch Reactors <i>Journal of Chemistry</i> , 2018 , 2018, 1-1 | 2.3 | |
| 278 | Fenton oxidation of municipal secondary effluent: comparison of Fe/Ce-RGO (reduced graphene oxide) and Fe as catalysts. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 31358-31367 | 5.1 | 1 |
| 277 | Synergistic Biohydrogen Production from Flower Wastes and Sewage Sludge. <i>Energy & Fuels</i> , 2018 , 32, 6879-6886 | 4.1 | 10 |
| 276 | Fenton-like degradation of sulfamethoxazole using Fe-based magnetic nanoparticles embedded into mesoporous carbon hybrid as an efficient catalyst. <i>Chemical Engineering Journal</i> , 2018 , 351, 1085-1094 | 14.7 | 123 |

| | | | |
|-----|--|------|----|
| 275 | Biomass reinforced graphene oxide solid/liquid phase membrane extraction for the measurement of Pb(II) in food samples. <i>Food Chemistry</i> , 2018 , 269, 9-15 | 8.5 | 7 |
| 274 | Conductive Leaflike Cobalt Metal-Organic Framework Nanoarray on Carbon Cloth as a Flexible and Versatile Anode toward Both Electrocatalytic Glucose and Water Oxidation. <i>Inorganic Chemistry</i> , 2018 , 57, 8422-8428 | 5.1 | 69 |
| 273 | Radiation-induced degradation of sulfamethoxazole in the presence of various inorganic anions. <i>Chemical Engineering Journal</i> , 2018 , 351, 688-696 | 14.7 | 66 |
| 272 | Cadmium phytoextraction from loam soil in tropical southern China by Sorghum bicolor. <i>International Journal of Phytoremediation</i> , 2017 , 19, 572-578 | 3.9 | 19 |
| 271 | Simultaneous colorimetric determination of bisphenol A and bisphenol S via a multi-level DNA circuit mediated by aptamers and gold nanoparticles. <i>Mikrochimica Acta</i> , 2017 , 184, 951-959 | 5.8 | 25 |
| 270 | Removal of strontium ions from simulated radioactive wastewater by vacuum membrane distillation. <i>Annals of Nuclear Energy</i> , 2017 , 103, 363-368 | 1.7 | 47 |
| 269 | Adsorption of Cd(II) and Pb(II) by in situ oxidized FeO membrane grafted on 316L porous stainless steel filter tube and its potential application for drinking water treatment. <i>Journal of Environmental Management</i> , 2017 , 196, 127-136 | 7.9 | 27 |
| 268 | Phytoremediation of strontium contaminated soil by Sorghum bicolor (L.) Moench and soil microbial community-level physiological profiles (CLPPs). <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7668-7678 | 5.1 | 23 |
| 267 | Advanced treatment of municipal secondary effluent by catalytic ozonation using FeO-CeO/MWCNTs as efficient catalyst. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 9337-9349 | 5.1 | 10 |
| 266 | Development of a paper-based microfluidic analytical device by a more facile hydrophobic substrate generation strategy. <i>Analytical Biochemistry</i> , 2017 , 525, 100-106 | 3.1 | 8 |
| 265 | Principle and application of different pretreatment methods for enriching hydrogen-producing bacteria from mixed cultures. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 4804-4823 | 6.7 | 95 |
| 264 | Separation of cesium ions from aqueous solution by vacuum membrane distillation process. <i>Progress in Nuclear Energy</i> , 2017 , 98, 293-300 | 2.3 | 40 |
| 263 | Degradation of sulfamethazine antibiotics in Fenton-like system using Fe ₃ O ₄ magnetic nanoparticles as catalyst. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 1743-1753 | 2.5 | 22 |
| 262 | Recent progress on upgrading of bio-oil to hydrocarbons over metal/zeolite bifunctional catalysts. <i>Catalysis Science and Technology</i> , 2017 , 7, 2385-2415 | 5.5 | 97 |
| 261 | Catalytic ozonation of dimethyl phthalate by Ce-substituted goethite. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 2379-2388 | 3.3 | 5 |
| 260 | Fluorometric determination of the antibiotic kanamycin by aptamer-induced FRET quenching and recovery between MoS ₂ nanosheets and carbon dots. <i>Mikrochimica Acta</i> , 2017 , 184, 203-210 | 5.8 | 77 |
| 259 | Cs phytoremediation by Sorghum bicolor cultivated in soil and in hydroponic system. <i>International Journal of Phytoremediation</i> , 2017 , 19, 402-412 | 3.9 | 18 |
| 258 | Removal of Sr ²⁺ , Co ²⁺ , and Cs ⁺ from aqueous solution by immobilized <i>Saccharomyces cerevisiae</i> with magnetic chitosan beads. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 989-996 | 2.5 | 22 |

| | | | |
|-----|---|------|----|
| 257 | Au Promoted Nickel-Iron Layered Double Hydroxide Nanoarrays: A Modular Catalyst Enabling High-Performance Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19807-19814 | 9.5 | 84 |
| 256 | Biohydrogen Production from Organic Wastes. <i>Green Energy and Technology</i> , 2017 , | 0.6 | 25 |
| 255 | Microbiology and Enzymology. <i>Green Energy and Technology</i> , 2017 , 19-67 | 0.6 | 1 |
| 254 | Enrichment of Hydrogen-Producing Microorganisms. <i>Green Energy and Technology</i> , 2017 , 69-121 | 0.6 | 1 |
| 253 | Pretreatment of Organic Wastes for Hydrogen Production. <i>Green Energy and Technology</i> , 2017 , 123-195 | 0.6 | 2 |
| 252 | Influencing Factors for Biohydrogen Production. <i>Green Energy and Technology</i> , 2017 , 197-268 | 0.6 | 1 |
| 251 | Kinetic Models for Hydrogen Production. <i>Green Energy and Technology</i> , 2017 , 269-290 | 0.6 | 0 |
| 250 | Optimization of Hydrogen Production Process. <i>Green Energy and Technology</i> , 2017 , 291-337 | 0.6 | 1 |
| 249 | Sewage Sludge for Hydrogen Production. <i>Green Energy and Technology</i> , 2017 , 339-433 | 0.6 | |
| 248 | Biological caproate production by <i>Clostridium kluyveri</i> from ethanol and acetate as carbon sources. <i>Bioresource Technology</i> , 2017 , 241, 638-644 | 11 | 61 |
| 247 | Surface molecularly imprinted polymer capped Mn-doped ZnS quantum dots as a phosphorescent nanosensor for detecting patulin in apple juice. <i>Food Chemistry</i> , 2017 , 232, 145-154 | 8.5 | 73 |
| 246 | Isolation and characterization of a novel strain <i>Clostridium butyricum</i> INET1 for fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 12173-12180 | 6.7 | 31 |
| 245 | Degradation of chlorinated paraben by integrated irradiation and biological treatment process. <i>Journal of Environmental Management</i> , 2017 , 189, 29-35 | 7.9 | 16 |
| 244 | Transformation of metamitron in water-sediment systems: Detailed insight into the biodegradation processes. <i>Science of the Total Environment</i> , 2017 , 578, 100-108 | 10.2 | 13 |
| 243 | Removal of cobalt ions from aqueous solution by forward osmosis. <i>Separation and Purification Technology</i> , 2017 , 177, 8-20 | 8.3 | 47 |
| 242 | Broadband Phototransistor Based on CHNHPbI Perovskite and PbSe Quantum Dot Heterojunction. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 445-451 | 6.4 | 74 |
| 241 | Identification of degradation routes of metamitron in soil microcosms using C-isotope labeling. <i>Environmental Pollution</i> , 2017 , 220, 927-935 | 9.3 | 9 |
| 240 | Fenton degradation of 4-chlorophenol using H ₂ O ₂ in situ generated by Zn-CNTs/O ₂ system. <i>RSC Advances</i> , 2017 , 7, 49985-49994 | 3.7 | 14 |

| | | | |
|-----|---|------|-----|
| 239 | Removal of Cesium from Simulated Radioactive Wastewater Using a Novel Disc Tubular Reverse Osmosis System. <i>Nuclear Technology</i> , 2017 , 197, 219-224 | 1.4 | 25 |
| 238 | Fe-based metal organic framework/graphene oxide composite as an efficient catalyst for Fenton-like degradation of methyl orange. <i>RSC Advances</i> , 2017 , 7, 50829-50837 | 3.7 | 55 |
| 237 | Recovery of boric acid from the simulated radioactive wastewater by vacuum membrane distillation crystallization. <i>Annals of Nuclear Energy</i> , 2017 , 110, 1148-1155 | 1.7 | 18 |
| 236 | From lamellar to hierarchical: overcoming the diffusion barriers of sulfide-intercalated layered double hydroxides for highly efficient water treatment. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22506-22511 ¹³ 21 | 1.3 | 21 |
| 235 | Comparative study on sulfamethoxazole degradation by Fenton and Fe(II)-activated persulfate process. <i>RSC Advances</i> , 2017 , 7, 48670-48677 | 3.7 | 46 |
| 234 | Agar Aerogel Containing Small-Sized Zeolitic Imidazolate Framework Loaded Carbon Nitride: A Solar-Triggered Regenerable Decontaminant for Convenient and Enhanced Water Purification. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9347-9354 | 8.3 | 46 |
| 233 | In-Situ Fixation of All-Inorganic Mo-Fe-S Clusters for the Highly Selective Removal of Lead(II). <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32720-32726 | 9.5 | 48 |
| 232 | Enhanced Hydrogen Production from Sewage Sludge by Co-fermentation with Forestry Wastes. <i>Energy & Fuels</i> , 2017 , 31, 9633-9641 | 4.1 | 34 |
| 231 | Co-fermentation of sewage sludge with ryegrass for enhancing hydrogen production: Performance evaluation and kinetic analysis. <i>Bioresource Technology</i> , 2017 , 243, 1027-1036 | 11 | 44 |
| 230 | Removal of waterborne phage and NO ₃ ⁻ in the nZVI/phage/NO ₃ ⁻ system: competition effect. <i>RSC Advances</i> , 2017 , 7, 25369-25377 | 3.7 | 6 |
| 229 | Fe ₃ O ₄ -MWCNT Magnetic Nanocomposites as Efficient Fenton-Like Catalysts for Degradation of Sulfamethazine in Aqueous Solution. <i>ChemistrySelect</i> , 2017 , 2, 10727-10735 | 1.8 | 16 |
| 228 | Denitrification of groundwater using a biodegradable polymer as a carbon source: long-term performance and microbial diversity. <i>RSC Advances</i> , 2017 , 7, 53454-53462 | 3.7 | 17 |
| 227 | Degradation of PVA (polyvinyl alcohol) in wastewater by advanced oxidation processes. <i>Journal of Advanced Oxidation Technologies</i> , 2017 , 20, | | 6 |
| 226 | Fermentative hydrogen production from sewage sludge. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 1219-1281 | 11.1 | 47 |
| 225 | Recent advances in the treatment of irradiated graphite: A review. <i>Annals of Nuclear Energy</i> , 2017 , 110, 140-147 | 1.7 | 19 |
| 224 | The application of graphene-based materials for the removal of heavy metals and radionuclides from water and wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 1042-1105 ^{11,1} | 11.1 | 122 |
| 223 | Degradation of 3,4-dichlorobenzotrifluoride by the Fenton-like process using zirconia-coated magnetite magnetic nanoparticles as an effective heterogeneous catalyst. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 18575-18584 | 5.1 | 6 |
| 222 | Removal of Strontium Ions by Immobilized <i>Saccharomyces Cerevisiae</i> in Magnetic Chitosan Microspheres. <i>Nuclear Engineering and Technology</i> , 2017 , 49, 172-177 | 2.6 | 36 |

| | | | |
|-----|---|------|-----|
| 221 | Removal of Uranium from Aqueous Solution by Alginate Beads. <i>Nuclear Engineering and Technology</i> , 2017 , 49, 534-540 | 2.6 | 62 |
| 220 | Enhanced biodegradation of triclosan by means of gamma irradiation. <i>Chemosphere</i> , 2017 , 167, 406-414 | 8.4 | 30 |
| 219 | Degradation of sulfamethazine using FeO-MnO/reduced graphene oxide hybrid as Fenton-like catalyst. <i>Journal of Hazardous Materials</i> , 2017 , 324, 653-664 | 12.8 | 234 |
| 218 | Catalytic ozonation of dimethyl phthalate using FeO/multi-wall carbon nanotubes. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 2048-2057 | 2.6 | 15 |
| 217 | Degradation of sulfamethazine antibiotics using Fe ₃ O ₄ /Mn ₃ O ₄ nanocomposite as a Fenton-like catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 874-883 | 3.5 | 41 |
| 216 | Carbamazepine degradation by gamma irradiation coupled to biological treatment. <i>Journal of Hazardous Materials</i> , 2017 , 321, 639-646 | 12.8 | 67 |
| 215 | Regeneration of sulfamethoxazole-saturated activated carbon using gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2017 , 130, 391-396 | 2.5 | 8 |
| 214 | Fenton-like degradation of sulfamethazine using FeO/MnO nanocomposite catalyst: kinetics and catalytic mechanism. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 568-577 | 5.1 | 41 |
| 213 | Fe-based catalysts for heterogeneous catalytic ozonation of emerging contaminants in water and wastewater. <i>Chemical Engineering Journal</i> , 2017 , 312, 79-98 | 14.7 | 347 |
| 212 | Leaching performance of uranium from the cement solidified matrices containing spent radioactive organic solvent. <i>Annals of Nuclear Energy</i> , 2017 , 101, 31-35 | 1.7 | 13 |
| 211 | Removal of various pollutants from water and wastewater by modified chitosan adsorbents. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 2331-2386 | 11.1 | 177 |
| 210 | Decay Experiments of Effective N-Removing Microbial Communities in Sequencing Batch Reactors. <i>Journal of Chemistry</i> , 2017 , 2017, 1-5 | 2.3 | 1 |
| 209 | Layered vanadium(IV) disulfide nanosheets as a peroxidase-like nanozyme for colorimetric detection of glucose. <i>Mikrochimica Acta</i> , 2017 , 185, 7 | 5.8 | 75 |
| 208 | Mechanism of Co(II) adsorption by zero valent iron/graphene nanocomposite. <i>Journal of Hazardous Materials</i> , 2016 , 301, 286-96 | 12.8 | 97 |
| 207 | Fe ₃ O ₄ /multi-walled carbon nanotubes as an efficient catalyst for catalytic ozonation of p-hydroxybenzoic acid. <i>International Journal of Environmental Science and Technology</i> , 2016 , 13, 483-492 | 3.3 | 44 |
| 206 | Removal of pharmaceuticals and personal care products (PPCPs) from wastewater: A review. <i>Journal of Environmental Management</i> , 2016 , 182, 620-640 | 7.9 | 732 |
| 205 | Oil removal of spent hydrotreating catalyst CoMo/Al ₂ O ₃ via a facile method with enhanced metal recovery. <i>Journal of Hazardous Materials</i> , 2016 , 318, 723-731 | 12.8 | 17 |
| 204 | Catalytic ozonation of sulfamethazine antibiotics using Ce _{0.1} Fe _{0.9} OOH: Catalyst preparation and performance. <i>Chemosphere</i> , 2016 , 161, 174-180 | 8.4 | 44 |

| | | | |
|-----|---|------|-----|
| 203 | Enhanced Exfoliation Effect of Solid Auxiliary Agent On the Synthesis of Biofunctionalized MoS ₂ Using Grindstone Chemistry. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 825-832 | 3.1 | 16 |
| 202 | pH-Assisted surface functionalization of selenium nanoparticles with curcumin to achieve enhanced cancer chemopreventive activity. <i>RSC Advances</i> , 2016 , 6, 72213-72223 | 3.7 | 8 |
| 201 | Fermentative Hydrogen Production from Waste Sludge Solubilized by Low-Pressure Wet Oxidation Treatment. <i>Energy & Fuels</i> , 2016 , 30, 5878-5884 | 4.1 | 28 |
| 200 | Biological nitrate removal from water and wastewater by solid-phase denitrification process. <i>Biotechnology Advances</i> , 2016 , 34, 1103-1112 | 17.8 | 253 |
| 199 | Degradation of trimethoprim by gamma irradiation in the presence of persulfate. <i>Radiation Physics and Chemistry</i> , 2016 , 127, 85-91 | 2.5 | 42 |
| 198 | Ce-Doped zero-valent iron nanoparticles as a Fenton-like catalyst for degradation of sulfamethazine. <i>RSC Advances</i> , 2016 , 6, 103523-103531 | 3.7 | 22 |
| 197 | Characterization and hydrogen production performance of a novel strain <i>Enterococcus faecium</i> INET2 isolated from gamma irradiated sludge. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22793-22801 ²⁵ | 6.7 | 25 |
| 196 | Biological treatment of actual petrochemical wastewater using anaerobic/anoxic/oxic process and the microbial diversity analysis. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 10193-10202 | 5.7 | 30 |
| 195 | Removal of cesium from radioactive wastewater using magnetic chitosan beads cross-linked with glutaraldehyde. <i>Nuclear Science and Techniques/Hewuli</i> , 2016 , 27, 1 | 2.1 | 37 |
| 194 | Effect of Pore Size Distribution of Carbon Matrix on the Performance of Phosphorus@Carbon Material as Anode for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4217-4223 | 8.3 | 31 |
| 193 | Facile and sensitive electrochemical detection of methyl parathion based on a sensing platform constructed by the direct growth of carbon nanotubes on carbon paper. <i>RSC Advances</i> , 2016 , 6, 58771-58779 | 3.7 | 25 |
| 192 | Degradation kinetics of 2,4-dichlorophenol by gamma ray irradiation in the presence of ozone. <i>Nuclear Science and Techniques/Hewuli</i> , 2016 , 27, 1 | 2.1 | 3 |
| 191 | Denitrification of groundwater using PHBV blends in packed bed reactors and the microbial diversity. <i>Chemosphere</i> , 2016 , 155, 463-470 | 8.4 | 76 |
| 190 | Catalytic ozonation of sulfamethazine using Ce _{0.1} Fe _{0.9} OOH as catalyst: Mineralization and catalytic mechanisms. <i>Chemical Engineering Journal</i> , 2016 , 300, 169-176 | 14.7 | 104 |
| 189 | Dual role of hydrogen peroxide on the oxidase-like activity of nanoceria and its application for colorimetric hydrogen peroxide and glucose sensing. <i>RSC Advances</i> , 2016 , 6, 59939-59945 | 3.7 | 32 |
| 188 | Ce-Fe-reduced graphene oxide nanocomposite as an efficient catalyst for sulfamethazine degradation in aqueous solution. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 18542-51 | 5.1 | 36 |
| 187 | Gamma irradiation induced disintegration of waste activated sludge for biological hydrogen production. <i>Radiation Physics and Chemistry</i> , 2016 , 121, 110-114 | 2.5 | 28 |
| 186 | Degradation of 3-chloro-4-hydroxybenzoic acid in biological treated effluent by gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2016 , 119, 194-199 | 2.5 | 25 |

| | | | |
|-----|--|------|-----|
| 185 | Catalytic hydrodeoxygenation of palmitic acid over a bifunctional Co-doped MoO ₂ /CNTs catalyst: an insight into the promoting effect of cobalt. <i>Catalysis Science and Technology</i> , 2016 , 6, 2065-2076 | 5.5 | 40 |
| 184 | Cadmium removal from urban stormwater runoff via bioretention technology and effluent risk assessment for discharge to surface water. <i>Journal of Contaminant Hydrology</i> , 2016 , 185-186, 42-50 | 3.9 | 22 |
| 183 | Enhancement of enzymatic hydrolysis of wheat straw by gamma irradiation alkaline pretreatment. <i>Radiation Physics and Chemistry</i> , 2016 , 123, 63-67 | 2.5 | 18 |
| 182 | Biological denitrification using poly(butanediol succinate) as electron donor. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 6047-53 | 5.7 | 38 |
| 181 | Irradiation treatment of pharmaceutical and personal care products (PPCPs) in water and wastewater: An overview. <i>Radiation Physics and Chemistry</i> , 2016 , 125, 56-64 | 2.5 | 221 |
| 180 | Comparison of electrocatalytic reduction of CO ₂ to HCOOH with different tin oxides on carbon nanotubes. <i>Electrochemistry Communications</i> , 2016 , 65, 9-13 | 5.1 | 47 |
| 179 | One-pot synthesis of multifunctional magnetic ferrite/MoS ₂ /carbon dot nanohybrid adsorbent for efficient Pb(II) removal. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3893-3900 | 13 | 163 |
| 178 | Comparative Study of Nickel Removal from Synthetic Wastewater by a Sulfate-Reducing Bacteria Filter and a Zero Valent Iron Sulfate-Reducing Bacteria Filter. <i>Geomicrobiology Journal</i> , 2016 , 33, 318-324 | 2.5 | 16 |
| 177 | Bioremediation of Cesium-Contaminated Soil by Sorghum Bicolor and Soil Microbial Community Analysis. <i>Geomicrobiology Journal</i> , 2016 , 33, 216-221 | 2.5 | 8 |
| 176 | Electrochemical reduction of CO ₂ to formate in aqueous solution using electro-deposited Sn catalysts. <i>Chemical Engineering Journal</i> , 2016 , 293, 161-170 | 14.7 | 92 |
| 175 | Gamma irradiation of 2-mercaptobenzothiazole aqueous solution in the presence of persulfate. <i>Journal of Environmental Sciences</i> , 2016 , 46, 252-8 | 6.4 | 5 |
| 174 | Highly Sensitive and Selective Determination of Tertiary Butylhydroquinone in Edible Oils by Competitive Reaction Induced "On-Off-On" Fluorescent Switch. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 706-13 | 5.7 | 33 |
| 173 | Changes in microbial community during biohydrogen production using gamma irradiated sludge as inoculum. <i>Bioresource Technology</i> , 2016 , 200, 217-22 | 11 | 64 |
| 172 | Enhancement of biodegradability of real textile and dyeing wastewater by electron beam irradiation. <i>Radiation Physics and Chemistry</i> , 2016 , 124, 203-207 | 2.5 | 24 |
| 171 | Treatment of spent radioactive anionic exchange resins using Fenton-like oxidation process. <i>Chemical Engineering Journal</i> , 2016 , 284, 733-740 | 14.7 | 38 |
| 170 | Separation of ammonia from radioactive wastewater by hydrophobic membrane contactor. <i>Progress in Nuclear Energy</i> , 2016 , 86, 97-102 | 2.3 | 32 |
| 169 | Optimization of spent radioactive resins degradation by Fenton-like oxidation using response surface methodology. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 1590-1596 | 2.5 | 9 |
| 168 | Analysis of pesticide residues in tobacco with online size exclusion chromatography with gas chromatography and tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016 , 39, 2754-9 | 3.4 | 3 |

| | | | |
|-----|--|------|-----|
| 167 | Heterogeneous Catalytic Conversion of Biobased Chemicals into Liquid Fuels in the Aqueous Phase. <i>ChemSusChem</i> , 2016 , 9, 1355-85 | 8.3 | 50 |
| 166 | Removal of Uranium From Aqueous Solution by Carbon Nanotubes. <i>Health Physics</i> , 2016 , 111, 367-73 | 2.3 | 13 |
| 165 | Uranium removal by novel graphene oxide-immobilized <i>Saccharomyces cerevisiae</i> gel beads. <i>Journal of Environmental Radioactivity</i> , 2016 , 162-163, 134-145 | 2.4 | 46 |
| 164 | Synergistic effects of 4-nitrophenol degradation using gamma irradiation combined with a advanced oxidation process. <i>Nuclear Science and Techniques/Hewuli</i> , 2016 , 27, 1 | 2.1 | 4 |
| 163 | Rapid Determination of Trace Sulfonamides in Milk by Graphene Oxide-Based Magnetic Solid Phase Extraction Coupled with HPLC/MS/MS. <i>Food Analytical Methods</i> , 2016 , 9, 2521-2530 | 3.4 | 30 |
| 162 | Gamma radiolytic degradation of naphthalene in aqueous solution. <i>Radiation Physics and Chemistry</i> , 2016 , 123, 97-102 | 2.5 | 19 |
| 161 | Migration and sorption of strontium in clay-sand mixtures. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 308, 439-445 | 1.5 | 7 |
| 160 | A self-standing nanoporous MoP2 nanosheet array: an advanced pH-universal catalytic electrode for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7169-7173 | 13 | 165 |
| 159 | Optimization of Hydrogen Production by Response Surface Methodology Using γ Irradiated Sludge as Inoculum. <i>Energy & Fuels</i> , 2016 , 30, 4096-4103 | 4.1 | 26 |
| 158 | Coupled electron beam radiation and MBR treatment of textile wastewater containing polyvinyl alcohol. <i>Chemosphere</i> , 2016 , 155, 57-61 | 8.4 | 14 |
| 157 | Nanoscaled zero valent iron/graphene composite as an efficient adsorbent for Co(II) removal from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2016 , 474, 119-28 | 9.3 | 75 |
| 156 | (Bio)degradation of glyphosate in water-sediment microcosms - A stable isotope co-labeling approach. <i>Water Research</i> , 2016 , 99, 91-100 | 12.5 | 81 |
| 155 | Versatile molybdenum disulfide based antibacterial composites for in vitro enhanced sterilization and in vivo focal infection therapy. <i>Nanoscale</i> , 2016 , 8, 11642-8 | 7.7 | 97 |
| 154 | Removal of sulfonamide antibiotics from wastewater by gamma irradiation in presence of iron ions. <i>Nuclear Science and Techniques/Hewuli</i> , 2016 , 27, 1 | 2.1 | 11 |
| 153 | Removal of sulfamethazine antibiotics using CeFe-graphene nanocomposite as catalyst by Fenton-like process. <i>Journal of Environmental Management</i> , 2016 , 182, 284-291 | 7.9 | 62 |
| 152 | Colorimetric and visual determination of total nereistoxin-related insecticides by exploiting a nereistoxin-driven aggregation of gold nanoparticles. <i>Mikrochimica Acta</i> , 2015 , 182, 401-408 | 5.8 | 21 |
| 151 | Biological denitrification using starch/polycaprolactone blends as carbon source and biofilm support. <i>Desalination and Water Treatment</i> , 2015 , 54, 609-615 | | 19 |
| 150 | Biodegradation of di-n-butyl phthalate in sequencing batch reactor bioaugmented with <i>Micrococcus</i> sp. and the bacterial community analysis. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 2819-2828 | 3.3 | 21 |

| | | | |
|-----|--|------|-----|
| 149 | Development of a Detection Kit Based on G-Quadruplex DNAzyme for Detection of Lead(II) Ion in Food Samples. <i>Food Analytical Methods</i> , 2015 , 8, 1133-1140 | 3.4 | 7 |
| 148 | Disintegration and dissolution of spent radioactive cationic exchange resins using Fenton-like oxidation process. <i>Nuclear Engineering and Design</i> , 2015 , 291, 101-108 | 1.8 | 20 |
| 147 | Synergistic effect of ozonation and ionizing radiation for PVA decomposition. <i>Journal of Environmental Sciences</i> , 2015 , 34, 63-7 | 6.4 | 15 |
| 146 | The current status of heavy metal pollution and treatment technology development in China. <i>Environmental Technology Reviews</i> , 2015 , 4, 39-53 | 7.7 | 24 |
| 145 | Biohydrogen production using waste activated sludge disintegrated by gamma irradiation. <i>Applied Energy</i> , 2015 , 155, 434-439 | 10.7 | 60 |
| 144 | Catalytic Wet Air Oxidation of Wastewater of the Herbicide Fomesafen Production with CeO ₂ -TiO ₂ Catalysts. <i>Environmental Engineering Science</i> , 2015 , 32, 389-396 | 2 | 10 |
| 143 | DNA-mediated gold nanoparticle signal transducers for combinatorial logic operations and heavy metal ions sensing. <i>Biosensors and Bioelectronics</i> , 2015 , 72, 218-24 | 11.8 | 30 |
| 142 | Fabrication of coral like carbon black/MnO ₂ nano composites from commercial carbon black and their application in supercapacitors. <i>RSC Advances</i> , 2015 , 5, 97080-97088 | 3.7 | 7 |
| 141 | Treatment of petrochemical wastewater by microaerobic hydrolysis and anoxic/oxic processes and analysis of bacterial diversity. <i>Bioresource Technology</i> , 2015 , 196, 169-75 | 11 | 122 |
| 140 | Degradation of sulfamethazine in sewage sludge mixture by gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2015 , 108, 102-105 | 2.5 | 30 |
| 139 | Comparison of polycaprolactone and starch/polycaprolactone blends as carbon source for biological denitrification. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 1235-1242 | 3.3 | 19 |
| 138 | Acetylcholinesterase-Free Colorimetric Detection of Chlorpyrifos in Fruit Juice Based on the Oxidation Reaction of H ₂ O ₂ with Chlorpyrifos and ABTS ²⁻ Catalyzed by Hemin/G-Quadruplex DNAzyme. <i>Food Analytical Methods</i> , 2015 , 8, 1556-1564 | 3.4 | 6 |
| 137 | Treatment and disposal of spent radioactive ion-exchange resins produced in the nuclear industry. <i>Progress in Nuclear Energy</i> , 2015 , 78, 47-55 | 2.3 | 80 |
| 136 | Efficient Electrochemical Conversion of CO ₂ to HCOOH Using Pd-polyaniline/CNT Nanohybrids Prepared in Situ. <i>ChemElectroChem</i> , 2015 , 2, 1974-1982 | 4.3 | 26 |
| 135 | Catalase Nanocapsules Protected by Polymer Shells for Scavenging Free Radicals of Tobacco Smoke. <i>Advanced Functional Materials</i> , 2015 , 25, 5159-5165 | 15.6 | 15 |
| 134 | Degradation of 2,4,6-trichlorophenol using magnetic nanoscaled Fe ₃ O ₄ /CeO ₂ composite as a heterogeneous Fenton-like catalyst. <i>Separation and Purification Technology</i> , 2015 , 149, 255-264 | 8.3 | 47 |
| 133 | Solidification of spent radioactive organic solvent by sulfoaluminate and Portland cements. <i>Journal of Nuclear Science and Technology</i> , 2015 , 52, 1362-1368 | 1 | 12 |
| 132 | Thermochemical conversion of low-lipid microalgae for the production of liquid fuels: challenges and opportunities. <i>RSC Advances</i> , 2015 , 5, 18673-18701 | 3.7 | 105 |

| | | | |
|-----|--|------|-----|
| 131 | Acclimation of aerobic-activated sludge degrading benzene derivatives and co-metabolic degradation activities of trichloroethylene by benzene derivative-grown aerobic sludge. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 115-23 | 2.6 | 10 |
| 130 | Auto-flotation of heterocyst enables the efficient production of renewable energy in cyanobacteria. <i>Scientific Reports</i> , 2014 , 4, 3998 | 4.9 | 21 |
| 129 | Facile colorimetric method for simple and rapid detection of endotoxin based on counterion-mediated gold nanorods aggregation. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 242-8 | 11.8 | 26 |
| 128 | Removal of Co ²⁺ from radioactive wastewater by polyvinyl alcohol (PVA)/chitosan magnetic composite. <i>Progress in Nuclear Energy</i> , 2014 , 71, 172-178 | 2.3 | 136 |
| 127 | Fe ²⁺ enhancing sulfamethazine degradation in aqueous solution by gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2014 , 96, 81-87 | 2.5 | 78 |
| 126 | Cellular surface characteristics of <i>Saccharomyces cerevisiae</i> before and after Ag(I) biosorption. <i>Bioresource Technology</i> , 2014 , 156, 380-3 | 11 | 33 |
| 125 | Chitosan-based biosorbents: modification and application for biosorption of heavy metals and radionuclides. <i>Bioresource Technology</i> , 2014 , 160, 129-41 | 11 | 381 |
| 124 | Radiation-induced removal of sulphadiazine antibiotics from wastewater. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 2028-34 | 2.6 | 26 |
| 123 | Bullseye-conjugated polyene biomolecules into water: enhancement of light-thermal stability and bioactivity by a facile graphene oxide-based phase-transfer approach. <i>RSC Advances</i> , 2014 , 4, 48765-48769 | 2.7 | 5 |
| 122 | Colorimetric biosensor for food chemical hazards detection 2014 , 291-313 | | 3 |
| 121 | Enriching hydrogen-producing bacteria from digested sludge by different pretreatment methods. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 13550-13556 | 6.7 | 63 |
| 120 | Optimization of composite admixtures used in cementation formula for radioactive evaporator concentrates. <i>Progress in Nuclear Energy</i> , 2014 , 70, 1-5 | 2.3 | 13 |
| 119 | Gamma irradiation as a pretreatment method for enriching hydrogen-producing bacteria from digested sludge. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 13543-13549 | 6.7 | 31 |
| 118 | Kinetics of the aerobic co-metabolism of 1,1-dichloroethylene by <i>Achromobacter</i> sp.: a novel benzene-grown culture. <i>Biotechnology Letters</i> , 2014 , 36, 1271-8 | 3 | 5 |
| 117 | Degradation of 2-mercaptobenzothiazole in aqueous solution by gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2014 , 103, 198-202 | 2.5 | 11 |
| 116 | Removal of diclofenac from surface water by electron beam irradiation combined with a biological aerated filter. <i>Radiation Physics and Chemistry</i> , 2014 , 105, 104-108 | 2.5 | 65 |
| 115 | Modification of polyurethane foam carriers and application in a moving bed biofilm reactor. <i>Process Biochemistry</i> , 2014 , 49, 1979-1982 | 4.8 | 33 |
| 114 | Radiation induced decomposition of a refractory cefathiamidine intermediate. <i>Journal of Environmental Sciences</i> , 2014 , 26, 2406-11 | 6.4 | 3 |

| | | | |
|-----|---|------|-----|
| 113 | Experimental investigation of magnetically actuated separation using tangential microfluidic channels and magnetic nanoparticles. <i>IET Nanobiotechnology</i> , 2014 , 8, 102-10 | 2 | 7 |
| 112 | Preparation of highly active and stable polyaniline-cobalt-carbon nanotube electrocatalyst for oxygen reduction reaction in polymer electrolyte membrane fuel cell. <i>Electrochimica Acta</i> , 2014 , 119, 144-154 | 6.7 | 38 |
| 111 | FEM analysis of magnetic agitation for tagging biomolecules with magnetic nanoparticles in a microfluidic system. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 1-12 | 8.5 | 16 |
| 110 | Treatment of radioactive wastewater using direct contact membrane distillation. <i>Journal of Hazardous Materials</i> , 2013 , 261, 307-15 | 12.8 | 92 |
| 109 | Nitrate removal from groundwater using solid-phase denitrification process without inoculating with external microorganisms. <i>International Journal of Environmental Science and Technology</i> , 2013 , 10, 955-960 | 3.3 | 31 |
| 108 | In situ prepared nano-crystalline TiO ₂ /poly(methyl methacrylate) hybrid enhanced composite polymer electrolyte for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5955 | 13 | 101 |
| 107 | Denitrification performance and microbial diversity in a packed-bed bioreactor using PCL as carbon source and biofilm carrier. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 2725-33 | 5.7 | 58 |
| 106 | Carbon nanotubes/carbon paper composite electrode for sensitive detection of catechol in the presence of hydroquinone. <i>Electrochemistry Communications</i> , 2013 , 34, 356-359 | 5.1 | 29 |
| 105 | Degradation of sulfamethazine by gamma irradiation in the presence of hydrogen peroxide. <i>Journal of Hazardous Materials</i> , 2013 , 250-251, 99-105 | 12.8 | 166 |
| 104 | Degradation of a monoazo dye Alizarin Yellow GG in aqueous solutions by gamma irradiation: Decolorization and biodegradability enhancement. <i>Radiation Physics and Chemistry</i> , 2013 , 83, 86-89 | 2.5 | 30 |
| 103 | Denitrification using PBS as carbon source and biofilm support in a packed-bed bioreactor. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 333-9 | 5.1 | 70 |
| 102 | Radiation-induced grafting of sweet sorghum stalk for copper(II) removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2013 , 262, 845-52 | 12.8 | 15 |
| 101 | Organic polymer material with a multi-electron process redox reaction: towards ultra-high reversible lithium storage capacity. <i>RSC Advances</i> , 2013 , 3, 3227 | 3.7 | 29 |
| 100 | Denitrification performance and microbial diversity in a packed-bed bioreactor using biodegradable polymer as carbon source and biofilm support. <i>Journal of Hazardous Materials</i> , 2013 , 250-251, 431-8 | 12.8 | 114 |
| 99 | Comparison of denitrification performance and microbial diversity using starch/polylactic acid blends and ethanol as electron donor for nitrate removal. <i>Bioresource Technology</i> , 2013 , 131, 33-9 | 11 | 110 |
| 98 | Denitrification performance and biofilm characteristics using biodegradable polymers PCL as carriers and carbon source. <i>Chemosphere</i> , 2013 , 91, 1310-6 | 8.4 | 118 |
| 97 | Degradation of 4-Chloro-3,5-Dimethylphenol by a Heterogeneous Fenton-Like Reaction Using Nanoscale Zero-Valent Iron Catalysts. <i>Environmental Engineering Science</i> , 2013 , 30, 294-301 | 2 | 16 |
| 96 | Removal of radionuclide Sr ²⁺ ions from aqueous solution using synthesized magnetic chitosan beads. <i>Nuclear Engineering and Design</i> , 2012 , 242, 445-451 | 1.8 | 131 |

| | | | |
|----|---|------|-----|
| 95 | The characteristics and mechanism of Co(II) removal from aqueous solution by a novel xanthate-modified magnetic chitosan. <i>Nuclear Engineering and Design</i> , 2012 , 242, 452-457 | 1.8 | 77 |
| 94 | Competitive adsorption of Pb(II), Cu(II) and Zn(II) onto xanthate-modified magnetic chitosan. <i>Journal of Hazardous Materials</i> , 2012 , 221-222, 155-61 | 12.8 | 315 |
| 93 | Kinetics and thermodynamics of Cu(II) biosorption on to a novel magnetic chitosan composite bead. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 2345-51 | 2.6 | 35 |
| 92 | Improvement of biodegradability of PVA-containing wastewater by ionizing radiation pretreatment. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 3178-84 | 5.1 | 24 |
| 91 | Comparison of different chlorophenols degradation in aqueous solutions by gamma irradiation under reducing conditions. <i>Radiation Physics and Chemistry</i> , 2012 , 81, 1629-1633 | 2.5 | 34 |
| 90 | Magnetic nanoscaled Fe ₃ O ₄ /CeO ₂ composite as an efficient Fenton-like heterogeneous catalyst for degradation of 4-chlorophenol. <i>Environmental Science & Technology</i> , 2012 , 46, 10145-53 | 10.3 | 772 |
| 89 | Denitrification of nitrate-contaminated groundwater using biodegradable snack ware as carbon source under low-temperature condition. <i>International Journal of Environmental Science and Technology</i> , 2012 , 9, 113-118 | 3.3 | 27 |
| 88 | Treatment of coking wastewater by an advanced Fenton oxidation process using iron powder and hydrogen peroxide. <i>Chemosphere</i> , 2012 , 86, 409-14 | 8.4 | 141 |
| 87 | Fenton-like degradation of 2,4-dichlorophenol using Fe ₃ O ₄ magnetic nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2012 , 123-124, 117-126 | 21.8 | 248 |
| 86 | Biological nitrate removal using wheat straw and PLA as substrate. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 2369-74 | 2.6 | 27 |
| 85 | Solidification of borate radioactive resins using sulfoaluminate cement blending with zeolite. <i>Nuclear Engineering and Design</i> , 2011 , 241, 5308-5315 | 1.8 | 31 |
| 84 | Effect of borate concentration on solidification of radioactive wastes by different cements. <i>Nuclear Engineering and Design</i> , 2011 , 241, 4341-4345 | 1.8 | 34 |
| 83 | Combined effects of temperature and pH on biohydrogen production by anaerobic digested sludge. <i>Biomass and Bioenergy</i> , 2011 , 35, 3896-3901 | 5.3 | 26 |
| 82 | Biological denitrification using cross-linked starch/PCL blends as solid carbon source and biofilm carrier. <i>Bioresource Technology</i> , 2011 , 102, 8835-8 | 11 | 91 |
| 81 | Comparison of polyurethane foam and biodegradable polymer as carriers in moving bed biofilm reactor for treating wastewater with a low C/N ratio. <i>Chemosphere</i> , 2011 , 83, 63-8 | 8.4 | 137 |
| 80 | A heterogeneous Fenton-like system with nanoparticulate zero-valent iron for removal of 4-chloro-3-methyl phenol. <i>Journal of Hazardous Materials</i> , 2011 , 186, 256-64 | 12.8 | 434 |
| 79 | Nitrogen removal using biodegradable polymers as carbon source and biofilm carriers in a moving bed biofilm reactor. <i>Chemical Engineering Journal</i> , 2011 , 170, 220-225 | 14.7 | 109 |
| 78 | Fouling and cleaning of gas-filled membrane for cyanide removal from acrylonitrile wastewater. <i>Desalination and Water Treatment</i> , 2011 , 34, 382-388 | | 2 |

| | | | |
|----|---|------|------|
| 77 | Effect of gamma irradiation on activities and physicochemical characteristics of sewage sludge. <i>Biochemical Engineering Journal</i> , 2011 , 54, 34-39 | 4.2 | 29 |
| 76 | Removal of cyanide from acrylonitrile wastewater using gas membrane. <i>Water Science and Technology</i> , 2011 , 64, 2274-81 | 2.2 | 7 |
| 75 | An innovative reactor-type biosensor for BOD rapid measurement. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1705-9 | 11.8 | 38 |
| 74 | Microbial degradation of pyridine by <i>Paracoccus</i> sp. isolated from contaminated soil. <i>Journal of Hazardous Materials</i> , 2010 , 176, 220-5 | 12.8 | 49 |
| 73 | Toxic effects of antimony on photosystem II of <i>Synechocystis</i> sp. as probed by in vivo chlorophyll fluorescence. <i>Journal of Applied Phycology</i> , 2010 , 22, 479-488 | 3.2 | 55 |
| 72 | Gamma radiation-induced degradation of p-nitrophenol (PNP) in the presence of hydrogen peroxide (H ₂ O ₂) in aqueous solution. <i>Journal of Hazardous Materials</i> , 2010 , 177, 1061-7 | 12.8 | 100 |
| 71 | Dechlorination of pentachlorophenol using nanoscale Fe/Ni particles: role of nano-Ni and its size effect. <i>Journal of Hazardous Materials</i> , 2010 , 180, 79-85 | 12.8 | 81 |
| 70 | Cementation of radioactive borate liquid waste produced in pressurized water reactors. <i>Nuclear Engineering and Design</i> , 2010 , 240, 3660-3664 | 1.8 | 26 |
| 69 | Biological denitrification of drinking water using biodegradable polymer. <i>International Journal of Environment and Pollution</i> , 2009 , 38, 328 | 0.7 | 16 |
| 68 | Biosorbents for heavy metals removal and their future. <i>Biotechnology Advances</i> , 2009 , 27, 195-226 | 17.8 | 1773 |
| 67 | Effects of nitrate concentration on biological hydrogen production by mixed cultures. <i>Frontiers of Environmental Science and Engineering in China</i> , 2009 , 3, 380-386 | | 7 |
| 66 | Removal of nitrate from groundwater by heterotrophic denitrification using the solid carbon source. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 236-240 | | 48 |
| 65 | Effect of ammonia concentration on fermentative hydrogen production by mixed cultures. <i>Bioresource Technology</i> , 2009 , 100, 1211-3 | 11 | 57 |
| 64 | Optimization of fermentative hydrogen production process using genetic algorithm based on neural network and response surface methodology. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 255-261 | 6.7 | 83 |
| 63 | Kinetic models for fermentative hydrogen production: A review. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 3313-3323 | 6.7 | 163 |
| 62 | Sorption of cobalt to bone char: Kinetics, competitive sorption and mechanism. <i>Desalination</i> , 2009 , 249, 609-614 | 10.3 | 97 |
| 61 | Comparative study on electrochemical degradation of 2,4-dichlorophenol by different Pd/C gas-diffusion cathodes. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 111-117 | 21.8 | 54 |
| 60 | Synthesis of Ni Nanochains with Various Sizes: The Magnetic and Catalytic Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17355-17358 | 3.8 | 41 |

| | | | |
|----|---|------|-----|
| 59 | Biosorption of strontium ion by immobilised <i>Aspergillus niger</i> . <i>International Journal of Environment and Pollution</i> , 2009 , 37, 276 | 0.7 | 14 |
| 58 | Biosorption of Co(II) by immobilised <i>Pleurotus ostreatus</i> . <i>International Journal of Environment and Pollution</i> , 2009 , 37, 289 | 0.7 | 8 |
| 57 | Treatment of oil-field produced water by combined process of Anaerobic Baffled Reactor (ABR)-Biological Aerated Filter (BAF): a pilot study. <i>International Journal of Environment and Pollution</i> , 2009 , 38, 69 | 0.7 | 6 |
| 56 | The effects of organic loading rate on the performance of an Anaerobic Baffled Reactor (ABR) treating beet sugar wastewater: pilot experiments. <i>International Journal of Environment and Pollution</i> , 2009 , 37, 319 | 0.7 | |
| 55 | Nitrate removal from groundwater using biodegradable polymers as carbon source and biofilm support. <i>International Journal of Environment and Pollution</i> , 2009 , 38, 339 | 0.7 | 17 |
| 54 | Poly (ε-caprolactone) as substrate for water denitrification. <i>International Journal of Environment and Pollution</i> , 2009 , 38, 349 | 0.7 | 9 |
| 53 | Radiolysis of pentachlorophenol (PCP) in aqueous solution by gamma radiation. <i>Journal of Environmental Sciences</i> , 2008 , 20, 1153-7 | 6.4 | 37 |
| 52 | Investigating the interaction mechanism between zinc and <i>Saccharomyces cerevisiae</i> using combined SEM-EDX and XAFS. <i>Applied Microbiology and Biotechnology</i> , 2008 , 79, 293-9 | 5.7 | 37 |
| 51 | The effect of substrate concentration on biohydrogen production by using kinetic models. <i>Science in China Series B: Chemistry</i> , 2008 , 51, 1110-1117 | | 51 |
| 50 | Degradation of chlorinated phenols by nanoscale zero-valent iron. <i>Frontiers of Environmental Science and Engineering in China</i> , 2008 , 2, 103-108 | | 11 |
| 49 | Removal of Pb ²⁺ , Ag ⁺ , Cs ⁺ and Sr ²⁺ from aqueous solution by brewery's waste biomass. <i>Journal of Hazardous Materials</i> , 2008 , 151, 65-70 | 12.8 | 162 |
| 48 | Reply to comments on "Comparison of reductive dechlorination of p-chlorophenol using Fe(0) and nanosized Fe(0)", by C. Noubactep. <i>Journal of Hazardous Materials</i> , 2008 , 150, 850-1; discussion 852-3 | 12.8 | 4 |
| 47 | Effect and aftereffect of gamma radiation pretreatment on enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2008 , 99, 6240-5 | 11 | 107 |
| 46 | Influence of Ni(2+) concentration on biohydrogen production. <i>Bioresource Technology</i> , 2008 , 99, 8864-8 | 11 | 102 |
| 45 | Electrochemical degradation of 2,4-dichlorophenol on a palladium modified gas-diffusion electrode. <i>Electrochimica Acta</i> , 2008 , 53, 6402-6409 | 6.7 | 41 |
| 44 | Effect of Fe ²⁺ concentration on fermentative hydrogen production by mixed cultures. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1215-1220 | 6.7 | 117 |
| 43 | Comparison of different pretreatment methods for enriching hydrogen-producing bacteria from digested sludge. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 2934-2941 | 6.7 | 262 |
| 42 | Optimization of fermentative hydrogen production process by response surface methodology. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 6976-6984 | 6.7 | 71 |

| | | | |
|----|---|------|-----|
| 41 | Electrochemical degradation of 4-chlorophenol using a novel Pd/C gas-diffusion electrode. <i>Applied Catalysis B: Environmental</i> , 2007 , 77, 58-65 | 21.8 | 94 |
| 40 | The formation and influence of hydrogen peroxide during ozonation of para-chlorophenol. <i>Journal of Hazardous Materials</i> , 2007 , 141, 707-12 | 12.8 | 44 |
| 39 | Comparison of reductive dechlorination of p-chlorophenol using Fe0 and nanosized Fe0. <i>Journal of Hazardous Materials</i> , 2007 , 144, 334-9 | 12.8 | 156 |
| 38 | Effects of pH and temperature on isotherm parameters of chlorophenols biosorption to anaerobic granular sludge. <i>Journal of Hazardous Materials</i> , 2007 , 145, 398-403 | 12.8 | 102 |
| 37 | Application of radiation technology to sewage sludge processing: a review. <i>Journal of Hazardous Materials</i> , 2007 , 143, 2-7 | 12.8 | 134 |
| 36 | Degradation of chlorophenols in aqueous solution by γ radiation. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 1489-1492 | 2.5 | 79 |
| 35 | Immobilization of activated sludge using improved polyvinyl alcohol (PVA) gel. <i>Journal of Environmental Sciences</i> , 2007 , 19, 1293-7 | 6.4 | 100 |
| 34 | Kinetic Performance of Oil-field Produced Water Treatment by Biological Aerated Filter . <i>Chinese Journal of Chemical Engineering</i> , 2007 , 15, 591-594 | 3.2 | 56 |
| 33 | Response of <i>Saccharomyces cerevisiae</i> to lead ion stress. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 683-7 | 5.7 | 35 |
| 32 | Influence of metal ionic characteristics on their biosorption capacity by <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 911-7 | 5.7 | 85 |
| 31 | Pathway of the ozonation of 2,4,6-trichlorophenol in aqueous solution. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007 , 1, 179-183 | | 9 |
| 30 | Reductive dechlorination of 2,4-dichlorophenol using nanoscale Fe0: influencing factors and possible mechanism. <i>Science in China Series B: Chemistry</i> , 2007 , 50, 574-579 | | 11 |
| 29 | Comparative study on electrochemical degradation of 4-chlorophenol by different Pd/C gas diffusion electrodes. <i>Science in China Series B: Chemistry</i> , 2007 , 50, 692-699 | | 3 |
| 28 | A novel biosensor for the rapid determination of biochemical oxygen demand. <i>Biomedical and Environmental Sciences</i> , 2007 , 20, 78-83 | 1.1 | 3 |
| 27 | Characteristics of Zn ²⁺ biosorption by <i>Saccharomyces cerevisiae</i> . <i>Biomedical and Environmental Sciences</i> , 2007 , 20, 478-82 | 1.1 | 23 |
| 26 | Degradation of 4-chlorophenol in aqueous solution by γ radiation and ozone oxidation. <i>Science in China Series B: Chemistry</i> , 2006 , 49, 186-192 | | 27 |
| 25 | The mechanism and pathway of the ozonation of 4-chlorophenol in aqueous solution. <i>Science in China Series B: Chemistry</i> , 2006 , 49, 379-384 | | 11 |
| 24 | Different effects of EDTA on uptake and translocation of Pb and Cd by <i>Typha latifolia</i> . <i>Diqiu Huaxue</i> , 2006 , 25, 133-133 | | |

| | | | |
|----|---|------|-----|
| 23 | Biosorption of heavy metals by <i>Saccharomyces cerevisiae</i> : a review. <i>Biotechnology Advances</i> , 2006 , 24, 427-51 | 17.8 | 919 |
| 22 | Simultaneous removal of carbon and nitrogen from municipal-type synthetic wastewater using net-like rotating biological contactor (NRBC). <i>Process Biochemistry</i> , 2006 , 41, 2468-2472 | 4.8 | 24 |
| 21 | Advances in cement solidification technology for waste radioactive ion exchange resins: a review. <i>Journal of Hazardous Materials</i> , 2006 , 135, 443-8 | 12.8 | 88 |
| 20 | Cadmium sorption by EPSs produced by anaerobic sludge under sulfate-reducing conditions. <i>Journal of Hazardous Materials</i> , 2006 , 138, 589-93 | 12.8 | 101 |
| 19 | High-carbohydrate wastewater treatment by IAL-CHS with immobilized <i>Candida tropicalis</i> . <i>Process Biochemistry</i> , 2005 , 40, 857-863 | 4.8 | 20 |
| 18 | Study on performance characteristics of SBR under limited dissolved oxygen. <i>Process Biochemistry</i> , 2005 , 40, 293-296 | 4.8 | 34 |
| 17 | Effect of salinity variations on the performance of activated sludge system. <i>Biomedical and Environmental Sciences</i> , 2005 , 18, 5-8 | 1.1 | 15 |
| 16 | Slurry-phase biological treatment of nitrophenol using bioaugmentation technique. <i>Biomedical and Environmental Sciences</i> , 2005 , 18, 77-81 | 1.1 | 5 |
| 15 | Biosorption of cadmium by fungal biomass of <i>Aspergillus niger</i> . <i>Biomedical and Environmental Sciences</i> , 2005 , 18, 141-5 | 1.1 | 6 |
| 14 | Performance and characteristics of an anaerobic baffled reactor. <i>Bioresource Technology</i> , 2004 , 93, 205-81 | 8.1 | 84 |
| 13 | Microbial degradation of quinoline: kinetics study with <i>Burkholderia picekttii</i> . <i>Biomedical and Environmental Sciences</i> , 2004 , 17, 21-6 | 1.1 | 11 |
| 12 | Bioremediation of quinoline-contaminated soil using bioaugmentation in slurry-phase reactor. <i>Biomedical and Environmental Sciences</i> , 2004 , 17, 187-95 | 1.1 | 4 |
| 11 | Wastewater treatment in a hybrid biological reactor (HBR): nitrification characteristics. <i>Biomedical and Environmental Sciences</i> , 2004 , 17, 373-9 | 1.1 | 5 |
| 10 | Biodegradation of 2,4-dichlorophenol in sequencing batch reactors augmented with immobilized mixed culture. <i>Chemosphere</i> , 2003 , 50, 1069-74 | 8.4 | 54 |
| 9 | Microbial degradation of aniline by bacterial consortium. <i>Biomedical and Environmental Sciences</i> , 2003 , 16, 398-404 | 1.1 | 3 |
| 8 | Biodegradation of plasticizer di-n-butyl phthalate (DBP) by immobilized microbial cells. <i>Toxicological and Environmental Chemistry</i> , 2000 , 74, 195-202 | 1.4 | 3 |
| 7 | Kinetics of biodegradation of di-n-butyl phthalate in continuous culture system. <i>Chemosphere</i> , 1998 , 37, 257-64 | 8.4 | 27 |
| 6 | Biodegradation of phthalic acid esters by immobilized microbial cells. <i>Environment International</i> , 1997 , 23, 775-782 | 12.9 | 63 |

| | | | |
|---|--|------|----|
| 5 | Kinetics of phthalic acid ester degradation by acclimated activated sludge. <i>Process Biochemistry</i> , 1997 , 32, 567-571 | 4.8 | 38 |
| 4 | Biodegradation of phthalic acid esters by acclimated activated sludge. <i>Environment International</i> , 1996 , 22, 737-741 | 12.9 | 66 |
| 3 | Comparison of citric acid production by <i>Aspergillus niger</i> immobilized in gels and cryogels of polyacrylamide. <i>Journal of Industrial Microbiology</i> , 1996 , 16, 351-353 | | 22 |
| 2 | Three-Dimensional Covalent Organic Frameworks with hea Topology. <i>Chemistry of Materials</i> , | 9.6 | 10 |
| 1 | Surface Oxygen Functionalization of Carbon Cloth toward Enhanced Electrochemical Dopamine Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , | 8.3 | 6 |