

Ruey-Shin Juang

List of Publications by Year in Descending Order

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

363
papers

19,323
citations

66
h-index

126
g-index

369
ext. papers

21,224
ext. citations

6.6
avg, IF

7.31
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 363 | Porous cellulose acetate mixed-matrix membrane adsorbents for efficient clearance of p-cresol and creatinine from synthetic serum. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 104199 | 5.3 | 1 |
| 362 | Experimental verification on real-time fouling analysis in crossflow UF of protein solutions by electrical impedance spectroscopy. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 104197 | 5.3 | 1 |
| 361 | Oxygen reduction reactions from boron-doped graphene quantum dot catalyst electrodes in acidic and alkaline electrolytes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 104196 | 5.3 | 1 |
| 360 | Synthesis and characterization of high-performance ZnO/graphene quantum dot composites for photocatalytic degradation of metronidazole. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 131, 104180 | 5.3 | 5 |
| 359 | Nonsolvent-induced phase separation preparation of porous TOPO-mixed polyethersulfone membranes for selective clearance of p-cresol from simulated serum. <i>Separation and Purification Technology</i> , 2022 , 290, 120911 | 8.3 | 0 |
| 358 | Fabrication of in situ Magnetic Capturing and Raman Enhancing Nanoplatelets for Detection of Bacteria and Biomolecules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 129189 | 5.1 | 1 |
| 357 | Improvement on high-temperature electrochemical performance of lithium-ion pouch cells by spatial atomic layer deposition. <i>Electrochimica Acta</i> , 2022 , 423, 140605 | 6.7 | |
| 356 | Surface engineering of 3D spinel Zn ₃ V ₂ O ₈ wrapped on sulfur doped graphitic nitride composites: Investigation on the dual role of electrocatalyst for simultaneous detection of antibiotic drugs in biological fluids. <i>Composites Part B: Engineering</i> , 2022 , 110017 | 10 | 3 |
| 355 | Improving high-temperature performance of lithium-rich cathode by roll-to-roll atomic layer deposition of titania nanocoating for lithium-ion batteries. <i>Journal of Energy Storage</i> , 2021 , 44, 103348 | 7.8 | 1 |
| 354 | Thermodynamic parameters of liquid phase adsorption process calculated from different equilibrium constants related to adsorption isotherms: A comparison study. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 106674 | 6.8 | 17 |
| 353 | Highly fluorescent green and red emissions from boron-doped graphene quantum dots under blue light illumination. <i>Carbon</i> , 2021 , 176, 61-70 | 10.4 | 10 |
| 352 | Feasibility Assessment of Parathyroid Hormone Adsorption by Using Polysaccharide-Based Multilayer Film Systems. <i>Polymers</i> , 2021 , 13, | 4.5 | 1 |
| 351 | N-Doped Carbon Quantum Dots as Fluorescent Bioimaging Agents. <i>Crystals</i> , 2021 , 11, 789 | 2.3 | 4 |
| 350 | Ultrasound-assisted synthesis of barium tungstate encapsulated carbon nanofiber composite for real-time sensing of p-cresol in human urine samples. <i>Microchemical Journal</i> , 2021 , 166, 106239 | 4.8 | 3 |
| 349 | SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , 2021 , 193, 110265 | 7.9 | 69 |
| 348 | Roll-to-roll atomic layer deposition of titania coating on polymeric separators for lithium ion batteries. <i>Journal of Power Sources</i> , 2021 , 482, 228896 | 8.9 | 19 |
| 347 | Enhanced and selective adsorption of urea and creatinine on amine-functionalized mesoporous silica SBA-15 via hydrogen bonding. <i>Microporous and Mesoporous Materials</i> , 2021 , 311, 110733 | 5.3 | 9 |

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| 346 | Electrocatalytic Oxidation of Glucose on Boron and Nitrogen Codoped Graphene Quantum Dot Electrodes in Alkali Media. <i>Catalysts</i> , 2021 , 11, 101 | 4 | 6 |
| 345 | Efficient removal of antibiotic oxytetracycline from water by Fenton-like reactions using reduced graphene oxide-supported bimetallic Pd/nZVI nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 119, 80-89 | 5.3 | 16 |
| 344 | Optimization of vanadium(V) extraction by 2-ethyl-1-hexanol and the study of extraction reaction mechanism. <i>Minerals Engineering</i> , 2021 , 170, 106984 | 4.9 | 1 |
| 343 | Experimental verification on stability analysis of supported-liquid-membrane separation of metal ions by in-situ electrical impedance spectroscopy. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 128, 1-1 | 5.3 | 1 |
| 342 | Facile synthesis of chitosan-carbon nanofiber composite supported copper nanoparticles for electrochemical sensing of carbendazim. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 625, 126934 | 5.1 | 9 |
| 341 | Design and fabrication of electrospun mixed-matrix multi-layered membranes containing tri-n-octylphosphine oxide for efficient adsorption of p-cresol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 627, 127192 | 5.1 | 0 |
| 340 | Simultaneous and sensitive determination of uric acid and p-cresol in human urine samples based on activated graphite-supported gadolinium hydroxide. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 127, 7-16 | 5.3 | 1 |
| 339 | Improved stability of a supported liquid membrane process via hydrophobic modification of PVDF support by plasma activation and chemical vapor deposition. <i>Separation and Purification Technology</i> , 2021 , 277, 119615 | 8.3 | 2 |
| 338 | Highly luminescent aggregate-induced emission from polyethylene glycol-coated carbon quantum dot clusters under blue light illumination. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16569-16576 | 7.1 | 11 |
| 337 | Efficient removal of antibiotic oxytetracycline from water using optimized montmorillonite-supported zero-valent iron nanocomposites. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 30853-30867 | 5.1 | 7 |
| 336 | One-pot synthesis of bimetallic Pt/nZVI nanocomposites for enhanced removal of oxytetracycline: Roles of morphology changes and Pt catalysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 111, 130-140 | 5.3 | 6 |
| 335 | Non-enzymatic electrochemical detection of hydrogen peroxide on highly amidized graphene quantum dot electrodes. <i>Applied Surface Science</i> , 2020 , 528, 146936 | 6.7 | 9 |
| 334 | Adsorption removal of tetracycline from water using poly(vinylidene fluoride)/polyaniline-montmorillonite mixed matrix membranes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 259-270 | 5.3 | 13 |
| 333 | Electrochemical sensing of mercury ions in electrolyte solutions by nitrogen-doped graphene quantum dot electrodes at ultralow concentrations. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112593 | 6 | 17 |
| 332 | Polyethylene Glycol/carbon Nanodots as Fluorescent Bioimaging Agents. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 15 |
| 331 | Roles of adsorption and photocatalysis in removing organic pollutants from water by activated carbon-supported titania composites: Kinetic aspects. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 109, 51-61 | 5.3 | 25 |
| 330 | Silver nanoparticles embedded on mesoporous-silica modified reduced graphene-oxide nanosheets for SERS detection of uremic toxins and parathyroid hormone. <i>Applied Surface Science</i> , 2020 , 521, 146372 | 6.7 | 11 |
| 329 | Preparation of porous phosphine oxide-incorporated polymer membranes for selective removal of p-cresol from simulated serum: A preliminary study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 107, 1-14 | 5.3 | 6 |

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| 328 | Preparation of polyaminated Fe ₃ O ₄ @chitosan core-shell magnetic nanoparticles for efficient adsorption of phosphate in aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 83, 235-246 | 6.3 | 34 |
| 327 | Adsorption process and mechanism of acetaminophen onto commercial activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104408 | 6.8 | 26 |
| 326 | Immobilization of TiO ₂ and TiO ₂ -GO hybrids onto the surface of acrylic acid-grafted polymeric membranes for pollutant removal: Analysis of photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104422 | 6.8 | 12 |
| 325 | Roll-To-Roll Atomic Layer Deposition of Titania Nanocoating on Thermally Stabilizing Lithium Nickel Cobalt Manganese Oxide Cathodes for Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10619-10631 | 6.1 | 31 |
| 324 | Surface coating of titania and graphene oxide onto plasma-activated polymer membranes as efficient photocatalysts for organics removal from water. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101488 | 6.7 | 3 |
| 323 | Fluorescence of functionalized graphene quantum dots prepared from infrared-assisted pyrolysis of citric acid and urea. <i>Journal of Luminescence</i> , 2020 , 217, 116774 | 3.8 | 32 |
| 322 | Enhanced removal of various dyes from aqueous solutions by UV and simulated solar photocatalysis over TiO ₂ /ZnO/rGO composites. <i>Separation and Purification Technology</i> , 2020 , 232, 115962 | 8.3 | 105 |
| 321 | Adsorptive removal of p-cresol and creatinine from simulated serum using porous polyethersulfone mixed-matrix membranes. <i>Separation and Purification Technology</i> , 2020 , 245, 116884 | 8.3 | 10 |
| 320 | Hybridizing Ag-Doped ZnO nanoparticles with graphite as potential photocatalysts for enhanced removal of metronidazole antibiotic from water. <i>Journal of Environmental Management</i> , 2019 , 252, 109619 | 7.9 | 31 |
| 319 | Floating SERS substrates of silver nanoparticles-graphene based nanosheets for rapid detection of biomolecules and clinical uremic toxins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 576, 36-42 | 5.1 | 19 |
| 318 | Removal of various contaminants from water by renewable lignocellulose-derived biosorbents: a comprehensive and critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 2155-2219 | 11.1 | 44 |
| 317 | Alumina nanocoating of polymer separators for enhanced thermal and electrochemical performance of Li-ion batteries. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019 , 14, e2335 | 1.3 | 1 |
| 316 | Highly efficient carbon quantum dot suspensions and membranes for sensitive/selective detection and adsorption/recovery of mercury ions from aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 100, 127-136 | 5.3 | 15 |
| 315 | Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. <i>Materials</i> , 2019 , 12, | 3.5 | 67 |
| 314 | Removal of metronidazole and amoxicillin mixtures by UV/TiO photocatalysis: an insight into degradation pathways and performance improvement. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 11846-11855 | 5.1 | 16 |
| 313 | Efficient removal of cationic dyes from water by a combined adsorption-photocatalysis process using platinum-doped titanate nanomaterials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 99, 166-179 | 5.3 | 32 |
| 312 | Efficient removal of methylene blue dye by a hybrid adsorption-photocatalysis process using reduced graphene oxide/titanate nanotube composites for water reuse. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 76, 296-309 | 6.3 | 59 |
| 311 | Fabrication of Magnetic Fe ₃ O ₄ Nanoparticles with Unidirectional Extension Pattern by a Facile and Eco-Friendly Microwave-Assisted Solvothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7645-7653 | 1.3 | 7 |

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| 310 | Formulation and characterization of multifunctional polymer modified-iron oxide magnetic nanocarrier for doxorubicin delivery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 104, 260-272 | 5.3 | 7 |
| 309 | Carbon Nanotube/Conducting Polymer Hybrid Nanofibers as Novel Organic Bioelectronic Interfaces for Efficient Removal of Protein-Bound Uremic Toxins. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43843-43856 | 9.5 | 19 |
| 308 | Effects of water matrix components on degradation efficiency and pathways of antibiotic metronidazole by UV/TiO ₂ photocatalysis. <i>Journal of Molecular Liquids</i> , 2019 , 276, 32-38 | 6 | 34 |
| 307 | Sulfur and Nitrogen Co-Doped Graphene Quantum Dots as a Fluorescent Quenching Probe for Highly Sensitive Detection toward Mercury Ions. <i>ACS Applied Nano Materials</i> , 2019 , 2, 790-798 | 5.6 | 44 |
| 306 | Functionalization of activated carbons with magnetic Iron oxide nanoparticles for removal of copper ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2019 , 277, 499-505 | 6 | 30 |
| 305 | Recent advances and perspectives on capture and concentration of label-free rare cells for biomedical science and engineering research. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 85, 40-55 | 5.3 | |
| 304 | Clearance of low molecular-weight uremic toxins p-cresol, creatinine, and urea from simulated serum by adsorption. <i>Journal of Molecular Liquids</i> , 2018 , 252, 203-210 | 6 | 29 |
| 303 | Synthesis of magnetic Fe ₃ O ₄ /activated carbon nanocomposites with high surface area as recoverable adsorbents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 90, 51-60 | 5.3 | 57 |
| 302 | Fabrication of magnetic iron Oxide@Graphene composites for adsorption of copper ions from aqueous solutions. <i>Materials Chemistry and Physics</i> , 2018 , 219, 30-39 | 4.4 | 29 |
| 301 | Removal of metronidazole by TiO and ZnO photocatalysis: a comprehensive comparison of process optimization and transformation products. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 28285-28295 ¹⁸ | 5.1 | 18 |
| 300 | Degradation of methylene blue and methyl orange by palladium-doped TiO ₂ photocatalysis for water reuse: Efficiency and degradation pathways. <i>Journal of Cleaner Production</i> , 2018 , 202, 413-427 | 10.3 | 255 |
| 299 | Co-precipitation of magnetic Fe ₃ O ₄ nanoparticles onto carbon nanotubes for removal of copper ions from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 82, 56-63 | 5.3 | 42 |
| 298 | Preparation of magnetically recoverable mesoporous silica nanocomposites for effective adsorption of urea in simulated serum. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 91, 22-31 | 5.3 | 9 |
| 297 | Microwave synthesis of copper catalysts onto reduced graphene oxide sheets for non-enzymatic glucose oxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 77-83 | 5.3 | 15 |
| 296 | Surface modifications of carbonaceous materials for carbon dioxide adsorption: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 214-234 | 5.3 | 76 |
| 295 | Poly(3,4-ethylenedioxythiophene)-Based Nanofiber Mats as an Organic Bioelectronic Platform for Programming Multiple Capture/Release Cycles of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30329-30342 | 9.5 | 30 |
| 294 | Solvent extraction and selective separation of vanadium (V) from an acidic sulfate solution using 2-Ethyl-1-Hexanol. <i>Separation and Purification Technology</i> , 2017 , 188, 358-366 | 8.3 | 7 |
| 293 | Synthesis of Carbon Dots on Fe ₃ O ₄ Nanoparticles as Recyclable Visible-Light Photocatalysts. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4 | 2 | 4 |

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| 292 | Sol-gel deposition of silica nanospheres onto polymeric separators for improved performance of Li-ion batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 199-205 | 5.3 | 8 |
| 291 | Synthesis of magnetic iron oxide nanoparticles onto fluorinated carbon fabrics for contaminant removal and oil-water separation. <i>Separation and Purification Technology</i> , 2017 , 174, 312-319 | 8.3 | 37 |
| 290 | Enhanced CO ₂ Adsorption on Activated Carbon Fibers Grafted with Nitrogen-Doped Carbon Nanotubes. <i>Materials</i> , 2017 , 10, | 3.5 | 26 |
| 289 | Treatment of o-Cresol/4-chlorophenol binary mixtures in aqueous solutions by TiO ₂ photocatalysis under UV irradiation. <i>Desalination and Water Treatment</i> , 2016 , 57, 6820-6828 | | 5 |
| 288 | Biosorption and biodegradation of a sulfur dye in high-strength dyeing wastewater by <i>Acidithiobacillus thiooxidans</i> . <i>Journal of Environmental Management</i> , 2016 , 182, 265-271 | 7.9 | 25 |
| 287 | Effective removal of sulfur dyes from water by biosorption and subsequent immobilized laccase degradation on crosslinked chitosan beads. <i>Chemical Engineering Journal</i> , 2016 , 304, 313-324 | 14.7 | 84 |
| 286 | Surface hydrophilic modifications on polypropylene membranes by remote methane/oxygen mixture plasma discharges. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 65, 420-426 | 5.3 | 18 |
| 285 | Hierarchical oil/water separation membrane using carbon fabrics decorated with carbon nanotubes. <i>Surface and Coatings Technology</i> , 2016 , 286, 148-154 | 4.4 | 41 |
| 284 | Enhanced sensing ability of fluorescent chemosensors with triphenylamine-functionalized conjugated polyfluorene. <i>Sensors and Actuators B: Chemical</i> , 2016 , 231, 399-411 | 8.5 | 10 |
| 283 | Substituent effects on photodegradation of phenols in binary mixtures by hybrid H ₂ O ₂ and TiO ₂ suspensions under UV irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 62, 68-75 | 5.3 | 35 |
| 282 | Synergistic biosorption between phenol and nickel(II) from Binary mixtures on chemically and biologically modified chitosan beads. <i>Chemical Engineering Journal</i> , 2016 , 286, 68-75 | 14.7 | 24 |
| 281 | Enhanced adsorption and photodegradation of phenol in aqueous suspensions of titania/graphene oxide composite catalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 67, 338-345 | 5.3 | 49 |
| 280 | Synthesis, photochemical properties, and self-assembly of diblock copolymer bearing azobenzene moieties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 54, 155-164 | 5.3 | 1 |
| 279 | Improved biosorption of phenol using crosslinked chitosan beads after modification with histidine and <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2015 , 20, 614-621 | 3.1 | 6 |
| 278 | Cyclonic plasma activation on microporous poly(vinylidene fluoride) membranes for improving surface hydrophilicity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 54, 76-82 | 5.3 | 10 |
| 277 | Synthesis and chemosensory properties of terpyridine-containing diblock polycarbazole through RAFT polymerization. <i>Reactive and Functional Polymers</i> , 2015 , 93, 130-137 | 4.6 | 10 |
| 276 | Applications of a lipopeptide biosurfactant, surfactin, produced by microorganisms. <i>Biochemical Engineering Journal</i> , 2015 , 103, 158-169 | 4.2 | 138 |
| 275 | Accessible mixotrophic growth of denitrifying sulfide removal consortium. <i>Bioresource Technology</i> , 2015 , 185, 362-7 | 11 | 6 |

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| 274 | Microwave-assisted synthesis of titania coating onto polymeric separators for improved lithium-ion battery performance. <i>Journal of Power Sources</i> , 2015 , 286, 526-533 | 8.9 | 51 |
| 273 | Photocatalytic degradation of p-chlorophenol by hybrid H ₂ O ₂ and TiO ₂ in aqueous suspensions under UV irradiation. <i>Journal of Environmental Management</i> , 2015 , 147, 271-7 | 7.9 | 68 |
| 272 | Adsorption of CO ₂ at atmospheric pressure on activated carbons prepared from melamine-modified phenol-formaldehyde resins. <i>Separation and Purification Technology</i> , 2015 , 140, 53-60 | 8.3 | 61 |
| 271 | Modification of crosslinked chitosan beads with histidine and <i>Saccharomyces cerevisiae</i> for enhanced Ni(II) biosorption. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 56, 96-102 | 5.3 | 20 |
| 270 | Size-controlled platinum nanoparticles prepared by modified-version atomic layer deposition for ethanol oxidation. <i>Journal of Power Sources</i> , 2015 , 275, 845-851 | 8.9 | 20 |
| 269 | Microwave synthesis of copper network onto lithium iron phosphate cathode materials for improved electrochemical performance. <i>Materials Chemistry and Physics</i> , 2015 , 153, 103-109 | 4.4 | 3 |
| 268 | Adsorptive recovery and purification of prodigiosin from methanol/water solutions of <i>Serratia marcescens</i> fermentation broth. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 159-168 | 3.1 | 14 |
| 267 | Comparative study on photocatalytic degradation of methomyl and parathion over UV-irradiated TiO ₂ particles in aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 989-993 | 5.3 | 31 |
| 266 | A convenient method to determine kinetic parameters of adsorption processes by nonlinear regression of pseudo-nth-order equation. <i>Chemical Engineering Journal</i> , 2014 , 237, 153-161 | 14.7 | 71 |
| 265 | Low-pressure ethane/nitrogen gas mixture plasma surface modification effect on the wetting and electrochemical performance of polymeric separator for lithium-ion batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 3046-3051 | 5.3 | 10 |
| 264 | Use of refuse-derived fuel waste for the adsorption of 4-chlorophenol and dyes from aqueous solution: Equilibrium and kinetics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2628-2639 | 5.3 | 20 |
| 263 | Surface modification of PVDF ultrafiltration membranes by remote argon/methane gas mixture plasma for fouling reduction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2176-2186 | 5.3 | 21 |
| 262 | Description of gas adsorption isotherms on activated carbons with heterogeneous micropores using the Dubinin-Astakhov equation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 1757-1763 | 5.3 | 9 |
| 261 | Electrochemical performance of lithium iron phosphate cathodes at various temperatures. <i>Electrochimica Acta</i> , 2014 , 115, 96-102 | 6.7 | 18 |
| 260 | Production of hexaoligochitin from colloidal chitin using a chitinase from <i>Aeromonas schubertii</i> . <i>International Journal of Biological Macromolecules</i> , 2014 , 69, 59-63 | 7.9 | 16 |
| 259 | Tailoring Surface Properties of Nonwoven Polypropylene by Cyclonic Atmospheric Pressure Plasma. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 3668-3673 | 1.3 | |
| 258 | Surface Characterization of Argon/Methane Mixture Atmospheric-Pressure Plasma-Treated Filtration Poly(Vinylidene Fluoride) Membrane and Its Flux Enhancement. <i>IEEE Transactions on Plasma Science</i> , 2014 , 42, 3698-3702 | 1.3 | 6 |
| 257 | Surface modification of polytetrafluoroethylene membranes by radio frequency methane/nitrogen mixture plasma polymerization. <i>Surface and Coatings Technology</i> , 2013 , 231, 42-46 | 4.4 | 8 |

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| 256 | Optimization of recombinant hexaoligochitin-producing chitinase production with response surface methodology. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 518-22 | 7.9 | 13 |
| 255 | Kinetic characteristics of biodegradation of methyl orange by <i>Pseudomonas putida</i> mt2 in suspended and immobilized cell systems. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013 , 44, 780-785 | 5.3 | 15 |
| 254 | Treatment of waters and wastewaters containing sulfur dyes: A review. <i>Chemical Engineering Journal</i> , 2013 , 219, 109-117 | 14.7 | 175 |
| 253 | A novel approach to characterizing liquid-phase adsorption on highly porous activated carbons using the Toth equation. <i>Chemical Engineering Journal</i> , 2013 , 221, 373-381 | 14.7 | 20 |
| 252 | Tailoring Surface Properties of Polymeric Separators for Lithium-Ion Batteries by 13.56 MHz Radio-Frequency Plasma Glow Discharge. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 11NM07 | 1.4 | 3 |
| 251 | Synthesis and Electrochemical Performance of SnO ₂ /Graphene Hybrid Anode for Lithium Ion Batteries. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1540, 4001 | | |
| 250 | Tailoring Surface Properties of Polymeric Separators for Lithium-Ion Batteries by Cyclonic Atmospheric-Pressure Plasma. <i>Plasma Processes and Polymers</i> , 2013 , 10, 407-415 | 3.4 | 23 |
| 249 | Electrospun Microfibrous Membranes with Atmospheric-Pressure Plasma Surface Modification for the Application in Dye-Sensitized Solar Cells. <i>Plasma Processes and Polymers</i> , 2013 , 10, 938-947 | 3.4 | 15 |
| 248 | Recovery and separation of surfactin from pretreated <i>Bacillus subtilis</i> broth by reverse micellar extraction. <i>Biochemical Engineering Journal</i> , 2012 , 61, 78-83 | 4.2 | 16 |
| 247 | A simplified dynamic model for the removal of toxic organics in a two-phase partitioning bioreactor. <i>Separation and Purification Technology</i> , 2012 , 90, 213-220 | 8.3 | 12 |
| 246 | Surface modification and characterization of an H ₂ /O ₂ plasma-treated polypropylene membrane. <i>Journal of Applied Polymer Science</i> , 2012 , 124, E108-E115 | 2.9 | 8 |
| 245 | Improvement of rate capability of spinel lithium titanate anodes using microwave-assisted zinc nanocoating. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 393-398 | 5.7 | 33 |
| 244 | Ultrafiltration of Coagulation-Pretreated <i>Serratia marcescens</i> Fermentation Broth: Flux Characteristics and Prodigiosin Recovery. <i>Separation Science and Technology</i> , 2012 , 47, 1849-1856 | 2.5 | 10 |
| 243 | Photocatalytic degradation of phenol on different phases of TiO ₂ particles in aqueous suspensions under UV irradiation. <i>Journal of Environmental Management</i> , 2011 , 92, 3098-104 | 7.9 | 51 |
| 242 | Biochemical and biomedical applications of multifunctional magnetic nanoparticles: a review. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4411-4430 | 2.3 | 106 |
| 241 | Preparation of novel activated carbons from H ₂ SO ₄ -pretreated corncob hulls with KOH activation for quick adsorption of dye and 4-chlorophenol. <i>Journal of Environmental Management</i> , 2011 , 92, 708-13 | 7.9 | 35 |
| 240 | Half-life and half-capacity concentration approach for the adsorption of 2,4-dichlorophenol and methyl blue from water on activated carbons. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011 , 42, 312-319 | 5.3 | 15 |
| 239 | Surface Modification of Polypropylene Membrane by RF Methane/Oxygen Mixture Plasma Treatment. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 08KA02 | 1.4 | 5 |

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|-----|---|------|-----|
| 238 | Photocatalytic degradation of reactive orange 16 dye over Au-doped TiO ₂ in aqueous suspension. <i>International Journal of Materials Engineering Innovation</i> , 2011 , 2, 96 | 0.9 | 4 |
| 237 | Separation and flux characteristics in cross-flow ultrafiltration of bovine serum albumin and bovine hemoglobin solutions. <i>Membrane Water Treatment</i> , 2011 , 2, 91-103 | | 2 |
| 236 | Surface Modification of Polypropylene Membrane by RF Methane/Oxygen Mixture Plasma Treatment. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 08KA02 | 1.4 | 5 |
| 235 | A review and experimental verification of using chitosan and its derivatives as adsorbents for selected heavy metals. <i>Journal of Environmental Management</i> , 2010 , 91, 798-806 | 7.9 | 224 |
| 234 | Removal of binary azo dyes from water by UV-irradiated degradation in TiO ₂ suspensions. <i>Journal of Hazardous Materials</i> , 2010 , 182, 820-6 | 12.8 | 54 |
| 233 | Tailoring surface properties of cellulose acetate membranes by low-pressure plasma processing. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 3227-3235 | 2.9 | 15 |
| 232 | Kinetics of phenol removal from saline solutions by solvent extraction coupled with degradation in a two-phase partitioning bioreactor. <i>Separation and Purification Technology</i> , 2010 , 71, 285-292 | 8.3 | 27 |
| 231 | Preparation of activated carbons from unburnt coal in bottom ash with KOH activation for liquid-phase adsorption. <i>Journal of Environmental Management</i> , 2010 , 91, 1097-102 | 7.9 | 45 |
| 230 | Kinetic studies on the adsorption of phenol, 4-chlorophenol, and 2,4-dichlorophenol from water using activated carbons. <i>Journal of Environmental Management</i> , 2010 , 91, 2208-14 | 7.9 | 54 |
| 229 | Experimental investigation of bio-removal of toxic organic pollutants from highly saline solutions in a triphasic system. <i>Journal of Hazardous Materials</i> , 2010 , 178, 706-12 | 12.8 | 7 |
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