

Mihir Kumar Purkait

List of Publications by Year in descending order

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166
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91
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docs citations

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times ranked

8405
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Metal removal efficiency of novel LD-slag-incorporated ceramic membrane from steel plant wastewater. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 1078-1094. | 3.3 | 4 |
| 2 | Thermochemical pretreatment enhanced bioconversion of elephant grass (<i>Pennisetum purpureum</i>): insight on the production of sugars and lignin. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1125-1138. | 4.6 | 22 |
| 3 | Hybrid electrocoagulation–microfiltration technique for treatment of nanofiltration rejected steel industry effluent. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 62-83. | 3.3 | 26 |
| 4 | CeO ₂ nanoparticles incorporated MIL-100(Fe) composites for loading of an anticancer drug: Effects of HF in composite synthesis and drug loading capacity. <i>Inorganica Chimica Acta</i> , 2022, 533, 120784. | 2.4 | 7 |
| 5 | A review on global perspectives of sustainable development in bioenergy generation. <i>Bioresource Technology</i> , 2022, 348, 126791. | 9.6 | 91 |
| 6 | Environmental remediation by tea waste and its derivative products: A review on present status and technological advancements. <i>Chemosphere</i> , 2022, 300, 134480. | 8.2 | 20 |
| 7 | Potential of MOF-based novel adsorbents for the removal of aquatic pollutants. , 2022, , 29-47. | | 0 |
| 8 | Progress in the synthesis and applications of polymeric nanomaterials derived from waste lignocellulosic biomass. , 2022, , 419-433. | | 1 |
| 9 | Green Synthesized Carbon and Metallic Nanomaterials for Biofuel Production: Effect of Operating Parameters. <i>Clean Energy Production Technologies</i> , 2022, , 105-126. | 0.5 | 1 |
| 10 | Sugarcane bagasse into value-added products: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 62785-62806. | 5.3 | 17 |
| 11 | A review on the environment-friendly emerging techniques for pretreatment of lignocellulosic biomass: Mechanistic insight and advancements. <i>Chemosphere</i> , 2021, 264, 128523. | 8.2 | 174 |
| 12 | Integrated ozonation assisted electrocoagulation process for the removal of cyanide from steel industry wastewater. <i>Chemosphere</i> , 2021, 263, 128370. | 8.2 | 74 |
| 13 | Bio-based Polymeric Nanocomposites for Stimuli-Responsive Membranes. , 2021, , 1-28. | | 0 |
| 14 | Bio-based Polymeric Nanocomposites for Stimuli-Responsive Membranes. , 2021, , 781-808. | | 0 |
| 15 | Enzymatic hydrolysis of lignocellulosic biomass: Mechanistic insight and advancement. , 2021, , 79-94. | | 0 |
| 16 | Formation and detoxification of inhibitors. , 2021, , 61-78. | | 2 |
| 17 | Value-added products derived from lignocellulosic biomass. , 2021, , 125-140. | | 2 |
| 18 | Conventional pretreatment methods of lignocellulosic biomass. , 2021, , 31-46. | | 0 |

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|----|--|------|-----------|
| 19 | Analytical methods for the quantification of sugars and characterization of biomass. , 2021, , 111-124. | | 1 |
| 20 | Compositional aspects of lignocellulosic biomass. , 2021, , 17-30. | | 0 |
| 21 | Introduction to lignocellulosic biomass and its potential. , 2021, , 1-15. | | 0 |
| 22 | Strategies to improve enzymatic production of sugars. , 2021, , 95-109. | | 0 |
| 23 | Bioenergy from biomass. , 2021, , 153-166. | | 0 |
| 24 | Ultrasound assisted extraction of gallic acid from Ficus auriculata leaves using green solvent. Food and Bioproducts Processing, 2021, 128, 1-11. | 3.6 | 33 |
| 25 | Potential and sustainable utilization of tea waste: A review on present status and future trends. Journal of Environmental Chemical Engineering, 2021, 9, 106179. | 6.7 | 73 |
| 26 | Progress in the electrochemical reduction of CO ₂ to formic acid: A review on current trends and future prospects. Journal of Environmental Chemical Engineering, 2021, 9, 106394. | 6.7 | 53 |
| 27 | A critical review on the techniques used for the synthesis and applications of crystalline cellulose derived from agricultural wastes and forest residues. Carbohydrate Polymers, 2021, 273, 118537. | 10.2 | 64 |
| 28 | Promising integrated technique for the treatment of highly saline nanofiltration rejected stream of steel industry. Journal of Environmental Management, 2021, 300, 113781. | 7.8 | 11 |
| 29 | Membrane adsorption. Interface Science and Technology, 2021, 33, 629-653. | 3.3 | 6 |
| 30 | Emerging and advanced techniques in the pretreatment of lignocellulosic biomass. , 2021, , 47-60. | | 0 |
| 31 | Polymeric ultrafiltration membranes modified with fly ash based carbon nanotubes for thermal stability and protein separation. Case Studies in Chemical and Environmental Engineering, 2021, 4, 100155. | 6.1 | 9 |
| 32 | Synthesis of Carbon Nanotubes from Industrial Wastes Following Alkali Activation and Film Casting Method. Waste and Biomass Valorization, 2020, 11, 4957-4966. | 3.4 | 11 |
| 33 | Lignocellulosic conversion into value-added products: A review. Process Biochemistry, 2020, 89, 110-133. | 3.7 | 91 |
| 34 | Utilization of waste polyvinyl chloride (PVC) for ultrafiltration membrane fabrication and its characterization. Journal of Environmental Chemical Engineering, 2020, 8, 103650. | 6.7 | 48 |
| 35 | Micro and nanocrystalline cellulose derivatives of lignocellulosic biomass: A review on synthesis, applications and advancements. Carbohydrate Polymers, 2020, 250, 116937. | 10.2 | 109 |
| 36 | Technological advancement in the synthesis and applications of lignin-based nanoparticles derived from agro-industrial waste residues: A review. International Journal of Biological Macromolecules, 2020, 163, 1828-1843. | 7.5 | 71 |

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| 37 | Biopolymer (gum arabic) incorporation in waste polyvinylchloride membrane for the enhancement of hydrophilicity and natural organic matter removal in water. Journal of Water Process Engineering, 2020, 38, 101569. | 5.6 | 21 |
| 38 | Thermal induced membrane separation processes: an introduction. , 2020, , 1-16. | | 0 |
| 39 | Membrane materials and modification for thermal induced membrane separation processes. , 2020, , 41-53. | | 0 |
| 40 | Fabrication and characterization techniques for thermal induced membrane separation processes. , 2020, , 55-76. | | 0 |
| 41 | Membrane distillation. , 2020, , 77-97. | | 0 |
| 42 | Theoretical aspects, design, and modeling in thermal induced membrane separation processes. , 2020, , 17-39. | | 0 |
| 43 | Pervaporation. , 2020, , 99-120. | | 1 |
| 44 | Membrane crystallization. , 2020, , 121-142. | | 0 |
| 45 | Membrane contactors. , 2020, , 143-162. | | 1 |
| 46 | Membrane reactors and their applications in thermal induced membrane separation processes. , 2020, , 163-186. | | 0 |
| 47 | Novel smart, super-hydrophobic, and next generation membranes for thermal induced membrane separation processes. , 2020, , 187-202. | | 0 |
| 48 | Membrane processes in integrated systems. , 2020, , 203-227. | | 0 |
| 49 | Fouling and its mitigation in thermal induced membrane separation processes. , 2020, , 229-249. | | 0 |
| 50 | Applications of thermal induced membrane separation processes. , 2020, , 251-267. | | 1 |
| 51 | Advancements in thermal induced membrane separation processes. , 2020, , 269-295. | | 0 |
| 52 | Loading and release of doxorubicin hydrochloride from iron(III) trimesate MOF and zinc oxide nanoparticle composites. Dalton Transactions, 2020, 49, 8755-8763. | 3.3 | 10 |
| 53 | Stimuli responsive mixed matrix polysulfone ultrafiltration membrane for humic acid and photocatalytic dye removal applications. Separation and Purification Technology, 2020, 250, 117247. | 7.9 | 48 |
| 54 | MOFs for the treatment of arsenic, fluoride and iron contaminated drinking water: A review. Chemosphere, 2020, 251, 126388. | 8.2 | 116 |

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| 55 | Green synthesis and environmental application of iron-based nanomaterials and nanocomposite: A review. <i>Chemosphere</i> , 2020, 259, 127509. | 8.2 | 176 |
| 56 | Recent Developments in Nanomaterials-Modified Membranes for Improved Membrane Distillation Performance. <i>Membranes</i> , 2020, 10, 140. | 3.0 | 55 |
| 57 | Utilization of LD slag from steel industry for the preparation of MF membrane. <i>Journal of Environmental Management</i> , 2020, 259, 110060. | 7.8 | 17 |
| 58 | Fabrication of ultrasound-mediated tunable graphene oxide nanoscrolls. <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104976. | 8.2 | 36 |
| 59 | Doxorubicin Loading Capacity of MIL-100(Fe): Effect of Synthesis Conditions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2366-2375. | 3.7 | 12 |
| 60 | Recovery of H ₂ SO ₄ from wastewater in the presence of NaCl and KHCO ₃ through pH responsive polysulfone membrane: Optimization approach. <i>Polymer Testing</i> , 2020, 86, 106463. | 4.8 | 11 |
| 61 | Experimental evaluation of Pt/TiO ₂ /rGO as an efficient HER catalyst via artificial photosynthesis under UVB & visible irradiation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 17174-17190. | 7.1 | 26 |
| 62 | Purification of catechins from <i>Camellia sinensis</i> using membrane cell. <i>Food and Bioproducts Processing</i> , 2019, 117, 203-212. | 3.6 | 16 |
| 63 | Preparation and characterization of novel green synthesized iron-aluminum nanocomposite and studying its efficiency in fluoride removal. <i>Chemosphere</i> , 2019, 235, 391-402. | 8.2 | 73 |
| 64 | Selective glucose permeability in presence of various salts through tunable pore size of pH responsive PVDF-co-HFP membrane. <i>Separation and Purification Technology</i> , 2019, 221, 249-260. | 7.9 | 25 |
| 65 | Preparation and characterization of animal bone powder impregnated fly ash catalyst for transesterification. <i>Science of the Total Environment</i> , 2019, 669, 314-321. | 8.0 | 37 |
| 66 | Microfiltration Membranes. , 2019, , 111-146. | | 11 |
| 67 | Cu ₂ O photocatalyst modified antifouling polysulfone mixed matrix membrane for ultrafiltration of protein and visible light driven photocatalytic pharmaceutical removal. <i>Separation and Purification Technology</i> , 2019, 212, 191-204. | 7.9 | 77 |
| 68 | Improving the Hydrophilicity of Polysulfone Membrane by the Addition of Imidazol with Polyvinyl Pyrrolidone for Crystal Violet Dye Removal. , 2019, , 395-407. | | 0 |
| 69 | Uses of Ceramic Membrane-Based Technology for the Clarification of Mosambi, Pineapple and Orange Juice. <i>Materials Horizons</i> , 2019, , 459-483. | 0.6 | 2 |
| 70 | Treatment of Coal Industry Effluents. , 2019, , 241-256. | | 0 |
| 71 | House hold unit for the treatment of fluoride, iron, arsenic and microorganism contaminated drinking water. <i>Chemosphere</i> , 2018, 199, 728-736. | 8.2 | 39 |
| 72 | Green synthesized iron nanoparticles supported on pH responsive polymeric membrane for nitrobenzene reduction and fluoride rejection study: Optimization approach. <i>Journal of Cleaner Production</i> , 2018, 170, 1111-1123. | 9.3 | 57 |

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|----|---|-----|-----------|
| 73 | Fe ₃ O ₄ promoted metal organic framework MIL-100(Fe) for the controlled release of doxorubicin hydrochloride. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 203-210. | 4.4 | 64 |
| 74 | Adsorption of Dyes. <i>Green Chemistry and Sustainable Technology</i> , 2018, , 49-98. | 0.7 | 8 |
| 75 | Electrocoagulation. <i>Green Chemistry and Sustainable Technology</i> , 2018, , 289-312. | 0.7 | 0 |
| 76 | Emulsion Liquid Membrane. <i>Green Chemistry and Sustainable Technology</i> , 2018, , 313-323. | 0.7 | 5 |
| 77 | Temperature-Responsive Membranes. <i>Interface Science and Technology</i> , 2018, 25, 67-113. | 3.3 | 6 |
| 78 | pH-Responsive Membranes. <i>Interface Science and Technology</i> , 2018, , 39-66. | 3.3 | 12 |
| 79 | Photoresponsive Membranes. <i>Interface Science and Technology</i> , 2018, , 115-144. | 3.3 | 11 |
| 80 | Biologically Responsive Membranes. <i>Interface Science and Technology</i> , 2018, 25, 145-171. | 3.3 | 8 |
| 81 | Electric Field-Responsive Membranes. <i>Interface Science and Technology</i> , 2018, , 173-191. | 3.3 | 7 |
| 82 | Magnetic-Responsive Membranes. <i>Interface Science and Technology</i> , 2018, , 193-219. | 3.3 | 8 |
| 83 | Ultrasound-Responsive Membranes. <i>Interface Science and Technology</i> , 2018, 25, 221-237. | 3.3 | 2 |
| 84 | Introduction to Membranes. <i>Interface Science and Technology</i> , 2018, 25, 1-37. | 3.3 | 45 |
| 85 | Ultrasound-assisted dispersive micro-solid-phase extraction using hydrophobic thiolated ionic liquids immobilized on gold nanoparticles for the preconcentration and determination of amino acids in human plasma samples. <i>Separation Science Plus</i> , 2018, 1, 419-429. | 0.6 | 5 |
| 86 | Advances in Dye Removal Technologies. <i>Green Chemistry and Sustainable Technology</i> , 2018, , . | 0.7 | 32 |
| 87 | Micellar-Enhanced Ultrafiltration (MEUF). <i>Green Chemistry and Sustainable Technology</i> , 2018, , 227-256. | 0.7 | 0 |
| 88 | Nanofiltration of Dyes. <i>Green Chemistry and Sustainable Technology</i> , 2018, , 153-197. | 0.7 | 0 |
| 89 | Hybrid Treatment Method of Industrial Effluent. <i>Green Chemistry and Sustainable Technology</i> , 2018, , 199-225. | 0.7 | 1 |
| 90 | Cloud Point Extraction. <i>Green Chemistry and Sustainable Technology</i> , 2018, , 257-288. | 0.7 | 0 |

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|-----|--|-----|-----------|
| 91 | Ultrasonic assisted dispersive solid-phase microextraction of Eriochrome Cyanine R from water sample on ultrasonically synthesized lead (II) dioxide nanoparticles loaded on activated carbon: Experimental design methodology. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 317-324. | 8.2 | 29 |
| 92 | Green synthesized iron nanoparticle-embedded pH-responsive PVDF-co-HFP membranes: Optimization study for NPs preparation and nitrobenzene reduction. <i>Separation Science and Technology</i> , 2017, 52, 2338-2355. | 2.5 | 14 |
| 93 | Simultaneous removal of dyes onto nanowires adsorbent use of ultrasound assisted adsorption to clean waste water: Chemometrics for modeling and optimization, multicomponent adsorption and kinetic study. <i>Chemical Engineering Research and Design</i> , 2017, 124, 222-237. | 5.6 | 103 |
| 94 | Effect of Polyethylene glycol methyl ether blend Humic acid on poly (vinylidene) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 627 Td (fluoride-c with optimization approach. <i>Polymer Testing</i> , 2017, 61, 162-176. | 4.8 | 28 |
| 95 | Role of poly(2â€acrylamidoâ€2â€methylâ€1â€propanesulfonic acid) in the modification of polysulfone membranes for ultrafiltration. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45290. | 2.6 | 24 |
| 96 | Novel synthesis of nanocomposite for the extraction of Sildenafil Citrate (Viagra) from water and urine samples: Process screening and optimization. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 463-472. | 8.2 | 79 |
| 97 | Highly efficient simultaneous biosorption of Hg 2+ , Pb 2+ and Cu 2+ by Live yeast <i>Yarrowia lipolytica</i> 70562 following response surface methodology optimization: Kinetic and isotherm study. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 162-172. | 5.8 | 79 |
| 98 | Ultrasonic assisted removal of methylene blue on ultrasonically synthesized zinc hydroxide nanoparticles on activated carbon prepared from wood of cherry tree: Experimental design methodology and artificial neural network. <i>Journal of Molecular Liquids</i> , 2017, 229, 114-124. | 4.9 | 79 |
| 99 | Evaluation of mPEG effect on the hydrophilicity and antifouling nature of the PVDF-co-HFP flat sheet polymeric membranes for humic acid removal. <i>Journal of Water Process Engineering</i> , 2016, 14, 9-18. | 5.6 | 27 |
| 100 | Novel strategy for synthesis of magnetic dummy molecularly imprinted nanoparticles based on functionalized silica as an efficient sorbent for the determination of acrylamide in potato chips: Optimization by experimental design methodology. <i>Talanta</i> , 2016, 154, 526-532. | 5.5 | 186 |
| 101 | Concurrent electrochemical CO ₂ reduction to HCOOH and methylene blue removal on metal electrodes. <i>RSC Advances</i> , 2016, 6, 40916-40922. | 3.6 | 8 |
| 102 | Adsorption of naphthalene onto high-surface-area nanoparticle loaded activated carbon by high performance liquid chromatography: response surface methodology, isotherm and kinetic study. <i>RSC Advances</i> , 2016, 6, 54322-54330. | 3.6 | 19 |
| 103 | Simultaneous CO ₂ Reduction and Dye (Crystal Violet) Removal Electrochemically on Sn and Zn Electrocatalysts Using Co ₃ O ₄ Anode. <i>Energy & Fuels</i> , 2016, 30, 3340-3346. | 5.1 | 15 |
| 104 | Preparation and characterization of hydrotalcite-like materials from flyash for transesterification. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 529-540. | 4.1 | 18 |
| 105 | Application of artificial neural network and response surface methodology for the removal of crystal violet by zinc oxide nanorods loaded on activate carbon: kinetics and equilibrium study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 210-220. | 5.3 | 122 |
| 106 | Kinetic and isotherm study of Sudan black B removal. <i>Toxicology and Industrial Health</i> , 2016, 32, 1891-1901. | 1.4 | 0 |
| 107 | Racemic and enantiomeric effect of tartaric acid on the hydrophilicity of polysulfone membrane. <i>Membrane Water Treatment</i> , 2016, 7, 257-275. | 0.5 | 1 |
| 108 | Preparation of hydrophilic polysulfone membrane using polyacrylic acid with polyvinyl pyrrolidone. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 2.6 | 17 |

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| 109 | Artificial Neural Network (ANN) Method for Modeling of Sunset Yellow Dye Adsorption Using Nickel Sulfide Nanoparticle Loaded on Activated Carbon: Kinetic and Isotherm Study. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 1339-1348. | 2.4 | 21 |
| 110 | Preparation of a novel thermo responsive PSF membrane, with cross linked PVCL-co-PSF copolymer for protein separation and easy cleaning. <i>RSC Advances</i> , 2015, 5, 22609-22619. | 3.6 | 36 |
| 111 | Use of CS-PAA nanoparticles as an alternative to metal oxide nanoparticles and their effect on fouling mitigation of a PSF ultrafiltration membrane. <i>RSC Advances</i> , 2015, 5, 66109-66121. | 3.6 | 18 |
| 112 | Electrochemical reduction of CO ₂ to HCOOH on a synthesized Sn electrocatalyst using a Co ₃ O ₄ anode. <i>RSC Advances</i> , 2015, 5, 68551-68557. | 3.6 | 18 |
| 113 | Electrochemical reduction of CO ₂ to HCOOH using zinc and cobalt oxide as electrocatalysts. <i>New Journal of Chemistry</i> , 2015, 39, 7348-7354. | 2.8 | 32 |
| 114 | Ultrasonic assisted removal of sunset yellow from aqueous solution by zinc hydroxide nanoparticle loaded activated carbon: Optimized experimental design. <i>Materials Science and Engineering C</i> , 2015, 52, 82-89. | 7.3 | 34 |
| 115 | Selective preparation of zeolite X and A from flyash and its use as catalyst for biodiesel production. <i>Journal of Hazardous Materials</i> , 2015, 297, 101-111. | 12.4 | 98 |
| 116 | Synthesis of Pb ₂ O electrocatalyst and its application in the electrochemical reduction of CO ₂ to HCOOH in various electrolytes. <i>RSC Advances</i> , 2015, 5, 40414-40421. | 3.6 | 30 |
| 117 | Rapid removal of Auramine-O and Methylene blue by ZnS:Cu nanoparticles loaded on activated carbon: A response surface methodology approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 80-91. | 5.3 | 136 |
| 118 | Electrochemical Studies for CO ₂ Reduction Using Synthesized Co ₃ O ₄ (Anode) and Cu ₂ O (Cathode) as Electrocatalysts. <i>Energy & Fuels</i> , 2015, 29, 6670-6677. | 5.1 | 37 |
| 119 | Simultaneous removal of methylene blue and Pb ²⁺ ions using ruthenium nanoparticle-loaded activated carbon: response surface methodology. <i>RSC Advances</i> , 2015, 5, 83427-83435. | 3.6 | 83 |
| 120 | Application of central composite design for simultaneous removal of methylene blue and Pb ²⁺ ions by walnut wood activated carbon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 479-490. | 3.9 | 149 |
| 121 | Treatment of Colored Effluent using Surfactant Modified Bamboo Leaves Powder. <i>Separation Science and Technology</i> , 2014, 49, 221-231. | 2.5 | 4 |
| 122 | Simultaneous ultrasound-assisted removal of sunset yellow and erythrosine by ZnS:Ni nanoparticles loaded on activated carbon: Optimization by central composite design. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1441-1450. | 8.2 | 77 |
| 123 | Cross flow microfiltration of oil-water emulsions using kaolin based low cost ceramic membranes. <i>Desalination</i> , 2014, 341, 61-71. | 8.2 | 85 |
| 124 | Microfiltration of oil-water emulsions using low cost ceramic membranes prepared with the uniaxial dry compaction method. <i>Ceramics International</i> , 2014, 40, 1155-1164. | 4.8 | 31 |
| 125 | Preparation and characterization of low cost ceramic membranes for mosambi juice clarification. <i>Desalination</i> , 2013, 317, 32-40. | 8.2 | 97 |
| 126 | Evaluation of Surfactants for the Cost Effective Enhanced Oil Recovery of Assam Crude Oil Fields. <i>Petroleum Science and Technology</i> , 2013, 31, 755-762. | 1.5 | 7 |

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| 127 | Surface engineering characteristics of ultrasound assisted hypophosphite electroless plating baths. <i>Surface Engineering</i> , 2013, 29, 489-494. | 2.2 | 8 |
| 128 | Prediction of flux decline during membrane filtration of leather plant effluent. <i>International Journal of Environment and Waste Management</i> , 2012, 9, 123. | 0.3 | 0 |
| 129 | Arsenic adsorption using copper (II) oxide nanoparticles. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1387-1396. | 5.6 | 252 |
| 130 | Effect of Ultrasound on the Performance of Nickel Hydrazine Electroless Plating Baths. <i>Materials and Manufacturing Processes</i> , 2012, 27, 201-206. | 4.7 | 16 |
| 131 | Performance characteristics of hydrothermal and sonication assisted electroless plating baths for nickel-ceramic composite membrane fabrication. <i>Desalination</i> , 2012, 284, 77-85. | 8.2 | 12 |
| 132 | Cadmium telluride nanoparticles loaded on activated carbon as adsorbent for removal of sunset yellow. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 22-27. | 3.9 | 84 |
| 133 | Manufacture of Nickel-Ceramic Composite Membranes in Agitated Electroless Plating Baths. <i>Materials and Manufacturing Processes</i> , 2011, 26, 862-867. | 4.7 | 30 |
| 134 | Cross-Flow Microfiltration of Industrial Oily Wastewater: Experimental and Theoretical Consideration. <i>Separation Science and Technology</i> , 2011, 46, 1213-1223. | 2.5 | 78 |
| 135 | A novel acorn based adsorbent for the removal of brilliant green. <i>Desalination</i> , 2011, 281, 226-233. | 8.2 | 154 |
| 136 | Effect of process parameters on electroless plating and nickel-ceramic composite membrane characteristics. <i>Desalination</i> , 2011, 268, 195-203. | 8.2 | 71 |
| 137 | Nickel-ceramic composite membranes: Optimization of hydrazine based electroless plating process parameters. <i>Desalination</i> , 2011, 275, 243-251. | 8.2 | 9 |
| 138 | Combinatorial performance characteristics of agitated nickel hypophosphite electroless plating baths. <i>Journal of Materials Processing Technology</i> , 2011, 211, 1488-1499. | 6.3 | 22 |
| 139 | Cloud Point Extraction of Nitrobenzene using TX-100. <i>Separation Science and Technology</i> , 2011, 46, 744-753. | 2.5 | 8 |
| 140 | Kinetic and Equilibrium Study for the Fluoride Adsorption using Pyrophyllite. <i>Separation Science and Technology</i> , 2011, 46, 1797-1807. | 2.5 | 72 |
| 141 | Treatment of oily wastewater using low cost ceramic membrane: Comparative assessment of pore blocking and artificial neural network models. <i>Chemical Engineering Research and Design</i> , 2010, 88, 881-892. | 5.6 | 140 |
| 142 | Microfiltration of stable oil-in-water emulsions using kaolinbased ceramic membrane and evaluation of fouling mechanism. <i>Desalination and Water Treatment</i> , 2010, 22, 133-145. | 1.0 | 7 |
| 143 | Preparation and Characterizations of Ceramic Microfiltration Membrane: Effect of Inorganic Precursors on Membrane Morphology. <i>Separation Science and Technology</i> , 2010, 46, 33-45. | 2.5 | 23 |
| 144 | Adsorption characteristics of brilliant green dye on kaolin. <i>Journal of Hazardous Materials</i> , 2009, 161, 387-395. | 12.4 | 510 |

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|-----|--|------|-----------|
| 145 | Oxidative desulfurization: Kinetic modelling. <i>Journal of Hazardous Materials</i> , 2009, 161, 1360-1368. | 12.4 | 30 |
| 146 | Removal of cationic dyes from aqueous solutions by kaolin: Kinetic and equilibrium studies. <i>Applied Clay Science</i> , 2009, 42, 583-590. | 5.2 | 390 |
| 147 | Treatment of Oily Waste Water Using Low-Cost Ceramic Membrane: Flux Decline Mechanism and Economic Feasibility. <i>Separation Science and Technology</i> , 2009, 44, 2840-2869. | 2.5 | 72 |
| 148 | Effect of molecular weight of PEG on membrane morphology and transport properties. <i>Journal of Membrane Science</i> , 2008, 309, 209-221. | 8.2 | 386 |
| 149 | SEM analysis and gas permeability test to characterize polysulfone membrane prepared with polyethylene glycol as additive. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 245-253. | 9.4 | 63 |
| 150 | Preparation, characterization and performance studies of polysulfone membranes using PVP as an additive. <i>Journal of Membrane Science</i> , 2008, 315, 36-47. | 8.2 | 313 |
| 151 | Ultrafiltration of stable oil-in-water emulsion by polysulfone membrane. <i>Journal of Membrane Science</i> , 2008, 325, 427-437. | 8.2 | 443 |
| 152 | Removal of Fe(II) from tap water by electrocoagulation technique. <i>Journal of Hazardous Materials</i> , 2008, 155, 135-143. | 12.4 | 186 |
| 153 | Precipitation of cetyl (hexadecyl) pyridinium chloride using mono and divalent oxyanions. <i>Journal of Hazardous Materials</i> , 2008, 160, 502-507. | 12.4 | 3 |
| 154 | Kinetic and Equilibrium Studies on the Adsorption of Crystal Violet Dye using Kaolin as an Adsorbent. <i>Separation Science and Technology</i> , 2008, 43, 1382-1403. | 2.5 | 102 |
| 155 | Treatment of fluoride containing drinking water by electrocoagulation using monopolar and bipolar electrode connections. <i>Chemosphere</i> , 2008, 73, 1393-1400. | 8.2 | 181 |
| 156 | Preparation and characterization of low cost ceramic membranes for micro-filtration applications. <i>Applied Clay Science</i> , 2008, 42, 102-110. | 5.2 | 234 |
| 157 | Removal of congo red using activated carbon and its regeneration. <i>Journal of Hazardous Materials</i> , 2007, 145, 287-295. | 12.4 | 502 |
| 158 | Micellar enhanced ultrafiltration of eosin dye using hexadecyl pyridinium chloride. <i>Journal of Hazardous Materials</i> , 2006, 136, 972-977. | 12.4 | 67 |
| 159 | Performance of TX-100 and TX-114 for the separation of chrysoidine dye using cloud point extraction. <i>Journal of Hazardous Materials</i> , 2006, 137, 827-835. | 12.4 | 75 |
| 160 | Treatment of Leather Plant Effluent by Membrane Separation Processes. <i>Separation Science and Technology</i> , 2006, 41, 3329-3348. | 2.5 | 16 |
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