

Helen Ferraz

List of Publications by Year in descending order

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45
papers

672
citations

566801

15
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610482

24
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46
all docs

46
docs citations

46
times ranked

1025
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Nanostructured membranes containing UiO-66 (Zr) and MIL-101 (Cr) for O ₂ /N ₂ and CO ₂ /N ₂ separation. Separation and Purification Technology, 2018, 192, 491-500. | 3.9 | 98 |
| 2 | Biosurfactant microfoam: Application in the removal of pollutants from soil. Journal of Environmental Chemical Engineering, 2015, 3, 89-94. | 3.3 | 57 |
| 3 | Recent achievements in facilitated transport membranes for separation processes. Brazilian Journal of Chemical Engineering, 2007, 24, 101-118. | 0.7 | 41 |
| 4 | A Brazilian cohort of individuals with Phelan-McDermid syndrome: genotype-phenotype correlation and identification of an atypical case. Journal of Neurodevelopmental Disorders, 2019, 11, 13. | 1.5 | 37 |
| 5 | Characterization of polymeric membranes used in vegetable oil/organic solvents separation. Journal of Membrane Science, 2010, 362, 495-500. | 4.1 | 36 |
| 6 | Comparison of Nanofiltration and Direct Contact Membrane Distillation as an alternative for gold mining effluent reclamation. Chemical Engineering and Processing: Process Intensification, 2018, 133, 24-33. | 1.8 | 32 |
| 7 | Effect of seawater ionic composition modified by nanofiltration on enhanced oil recovery in Berea sandstone. Fuel, 2017, 203, 222-232. | 3.4 | 27 |
| 8 | The effect of calcination atmosphere on structural properties of Y-doped SrTiO ₃ perovskite anode for SOFC prepared by solid-state reaction. Ceramics International, 2019, 45, 9761-9770. | 2.3 | 23 |
| 9 | Carbon-based electrode loaded with Y-doped SrTiO ₃ perovskite as support for enzyme immobilization in biosensors. Ceramics International, 2020, 46, 3592-3599. | 2.3 | 22 |
| 10 | Evaluation of the Stability of Concentrated Emulsions for Lemon Beverages Using Sequential Experimental Designs. PLoS ONE, 2015, 10, e0118690. | 1.1 | 19 |
| 11 | Liquid-liquid extraction of succinic acid using a hollow fiber membrane contactor. Journal of Industrial and Engineering Chemistry, 2015, 21, 206-211. | 2.9 | 19 |
| 12 | Assessing potential of nanofiltration for sulfuric acid plant effluent reclamation: Operational and economic aspects. Separation and Purification Technology, 2019, 222, 369-380. | 3.9 | 18 |
| 13 | Coupling of an electrodialysis unit to a hollow fiber bioreactor for separation of gluconic acid from sorbitol produced by Zymomonas mobilis permeabilized cells. Journal of Membrane Science, 2001, 191, 43-51. | 4.1 | 17 |
| 14 | Environmentally friendly rhamnolipid production for petroleum remediation. Chemosphere, 2020, 252, 126349. | 4.2 | 17 |
| 15 | Anion-exchange purification of recombinant factor IX from cell culture supernatant using different chromatography supports. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 938, 111-118. | 1.2 | 16 |
| 16 | Monomolecular films of cholesterol oxidase and S-Layer proteins. Applied Surface Science, 2011, 257, 6535-6539. | 3.1 | 11 |
| 17 | Development of functionalized polyetherimide/polyvinylpyrrolidone membranes for application in hemodialysis. Journal of Materials Science: Materials in Medicine, 2017, 28, 131. | 1.7 | 11 |
| 18 | Curcuminoids-conjugated multicore magnetic nanoparticles: Design and characterization of a potential theranostic nanoplatform. Journal of Alloys and Compounds, 2021, 879, 160448. | 2.8 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Production and Functionalization of P(MMA-co-AA) Nanoparticles by Miniemulsion Polymerization. <i>Macromolecular Symposia</i> , 2016, 368, 70-77. | 0.4 | 11 |
| 20 | Langmuir-Blodgett films of cholesterol oxidase and S-layer proteins onto screen-printed electrodes. <i>Applied Surface Science</i> , 2014, 298, 68-74. | 3.1 | 10 |
| 21 | Membrane adsorber for endotoxin removal. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2016, 52, 171-178. | 1.2 | 10 |
| 22 | Encapsulation of α -tocopherol and β -carotene in concentrated oil-in-water beverage emulsions stabilized with whey protein isolate. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 89-95. | 1.3 | 10 |
| 23 | Nanostructured screen-printed electrodes based on titanate nanowires for biosensing applications. <i>Materials Science and Engineering C</i> , 2017, 70, 15-20. | 3.8 | 10 |
| 24 | Sorbitol and Gluconic Acid Production Using Permeabilized <i>Zymomonas mobilis</i> Cells Confined by Hollow-Fiber Membranes. <i>Applied Biochemistry and Biotechnology</i> , 2000, 89, 43-54. | 1.4 | 9 |
| 25 | Adsorption of horseradish peroxidase onto titanate nanowires. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 739-746. | 1.6 | 9 |
| 26 | Effect of doping concentration and sintering atmosphere on the microstructural and electrical characteristics of Y-doped SrTiO ₃ perovskite anode for SOFC. <i>Ceramics International</i> , 2021, 47, 13331-13338. | 2.3 | 9 |
| 27 | Immobilization of horseradish peroxidase on titanate nanowires for biosensing application. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 17-25. | 1.5 | 8 |
| 28 | Dispersant effects on YSZ electrolyte characteristics for solid oxide fuel cells. <i>Ceramics International</i> , 2015, 41, 6141-6148. | 2.3 | 7 |
| 29 | POLYETHERIMIDE/POLYVINYLPIRROLIDONE HOLLOW-FIBER MEMBRANES FOR USE IN HEMODIALYSIS. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 1645-1652. | 0.7 | 7 |
| 30 | Biocatalytic membrane reactor with continuous removal of organic acids by electrodialysis. <i>Membrane Science and Technology</i> , 2003, 8, 241-261. | 0.5 | 6 |
| 31 | Adsorption of Myoglobin onto Hydroxyapatite Modified with Metal Ions. <i>Adsorption Science and Technology</i> , 2007, 25, 717-727. | 1.5 | 6 |
| 32 | Analysis of experimental errors in bioprocesses. 1. Production of lactobionic acid and sorbitol using the GFOR (glucose-fructose oxidoreductase) enzyme from permeabilized cells of <i>Zymomonas mobilis</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1575-1585. | 1.4 | 6 |
| 33 | P(MMA-co-AA) Nanoparticles Loaded with Cloquinol and Functionalized with TAT Peptide. <i>Macromolecular Reaction Engineering</i> , 2020, 14, 1900046. | 0.9 | 6 |
| 34 | Effects of Different Stabilizers on Miniemulsion Methyl Methacrylate Polymerizations. <i>Macromolecular Symposia</i> , 2020, 394, 2000143. | 0.4 | 6 |
| 35 | In situ encapsulation of praziquantel through methyl methacrylate/diethylaminoethyl methacrylate and MMA/DMAEMA miniemulsion copolymerizations in presence of distinct ionic surfactants. <i>SPE Polymers</i> , 2021, 2, 110-121. | 1.4 | 5 |
| 36 | In situ encapsulation of rivastigmine in TAT-functionalized P(MMA-co-AA) nanoparticles through miniemulsion polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126776. | 2.3 | 5 |

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|----|--|-----|-----------|
| 37 | Removal of lactobionic acid by electrodialysis. Brazilian Journal of Chemical Engineering, 2014, 31, 1003-1011. | 0.7 | 4 |
| 38 | Intermediate purification of CHO-derived recombinant human Factor IX using hydrophobic interaction membrane-based chromatography and its comparison to a sulfated resin. Electrophoresis, 2017, 38, 2900-2908. | 1.3 | 4 |
| 39 | Evaluation of interfacial properties due to the effect of dispersing agents on Brazilian medium crude oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127043. | 2.3 | 4 |
| 40 | Laser-induced wettability alteration in limestone rocks. Materials Today Communications, 2018, 17, 332-340. | 0.9 | 2 |
| 41 | A more Sustainable Polyurethane Membrane for Gas Separation at Room Temperature and Low Pressure. Materials Science Forum, 2019, 965, 125-132. | 0.3 | 2 |
| 42 | ANODES FOR SOFC: REVIEW OF MATERIAL SELECTION, INTERFACE AND ELECTROCHEMICAL PHENOMENA. Quimica Nova, 2020, , . | 0.3 | 2 |
| 43 | Activity of Horseradish Peroxidase Adsorbed onto Titanate Nanowires. Adsorption Science and Technology, 2015, 33, 127-138. | 1.5 | 1 |
| 44 | Effects of miniemulsion operation conditions on the immobilization of BSA onto PMMA nanoparticles. Polimeros, 2019, 29, . | 0.2 | 1 |
| 45 | Solution Copolymerizations of N-Vinyl-2-Pyrrolidone with Acrylic Acid, Methacrylic Acid and Vinyl Acetate for Applications in Hair Cosmetics. Macromolecular Symposia, 2020, 394, 2000144. | 0.4 | 0 |