# Julio A Snchez

## List of Publications by Citations



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|---|---|---|---|
| 80 papers | 930 citations | 15 h-index | 26 g-index |
| 87 ext. papers | 1,226 ext. citations | 4.3 avg, IF | 4.65 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 80 | Water-soluble functional polymers in conjunction with membranes to remove pollutant ions from aqueous solutions. *Progress in Polymer Science*, **2011**, 36, 294-322 | 29.6 | 128 |
| 79 | Cationic hemicellulose-based hydrogels for arsenic and chromium removal from aqueous solutions. *Carbohydrate Polymers*, **2014**, 111, 797-805 | 10.3 | 60 |
| 78 | Multilayer assemblies of polyelectrolyte-gold nanoparticles for the electrocatalytic oxidation and detection of arsenic(III). *Journal of Colloid and Interface Science*, **2012**, 383, 130-9 | 9.3 | 54 |
| 77 | Water-Soluble and Insoluble Polymers, Nanoparticles, Nanocomposites and Hybrids With Ability to Remove Hazardous Inorganic Pollutants in Water. *Frontiers in Chemistry*, **2018**, 6, 320 | 5 | 39 |
| 76 | Electrocatalytic oxidation of As(III) to As(V) using noble metal□polymer nanocomposites. *Electrochimica Acta*, **2010**, 55, 4876-4882 | 6.7 | 38 |
| 75 | Cationic hydrophilic polymers coupled to ultrafiltration membranes to remove chromium (VI) from aqueous solution. *Desalination*, **2011**, 279, 338-343 | 10.3 | 37 |
| 74 | Novel N-methyl-D-glucamine-based water-soluble polymer and its potential application in the removal of arsenic. *Separation and Purification Technology*, **2013**, 103, 1-7 | 8.3 | 29 |
| 73 | Removal of arsenite by coupled electrocatalytic oxidation at polymer□uthenium oxide nanocomposite and polymer-assisted liquid phase retention. *Applied Catalysis B: Environmental*, **2013**, 129, 130-136 | 21.8 | 29 |
| 72 | Poly(N,N-dimethylaminoethyl methacrylate) for removing chromium (VI) through polymer-enhanced ultrafiltration technique. *Reactive and Functional Polymers*, **2018**, 127, 67-73 | 4.6 | 28 |
| 71 | Arsenic extraction from aqueous solution: Electrochemical oxidation combined with ultrafiltration membranes and water-soluble polymers. *Chemical Engineering Journal*, **2010**, 165, 625-632 | 14.7 | 25 |
| 70 | Arsenate retention from aqueous solution by hydrophilic polymers through ultrafiltration membranes. *Desalination*, **2011**, 270, 57-63 | 10.3 | 24 |
| 69 | Polymers and nanocomposites: synthesis and metal ion pollutant uptake. *Polymer International*, **2016**, 65, 255-267 | 3.3 | 22 |
| 68 | Electrochemical oxidation and removal of arsenic using water-soluble polymers. *Journal of Applied Electrochemistry*, **2015**, 45, 151-159 | 2.6 | 20 |
| 67 | Nanostructuring of anodic copper oxides in fluoride-containing ethylene glycol media. *Journal of Electroanalytical Chemistry*, **2017**, 807, 181-186 | 4.1 | 19 |
| 66 | Boron removal by liquid-phase polymer-based retention technique using poly(glycidyl methacrylate N-methyl D-glucamine). *Journal of Applied Polymer Science*, **2013**, 129, 1541-1545 | 2.9 | 18 |
| 65 | Preparation and characterization of water-soluble polymers and their utilization in chromium sorption. *Journal of Applied Polymer Science*, **2017**, 134, 45355 | 2.9 | 15 |
| 64 | Poly(N-vinylpyrrolidone-co-2-acrylamido-2-methylpropanesulfonate sodium): Synthesis, characterization, and its potential application for the removal of metal ions from aqueous solution. *Journal of Applied Polymer Science*, **2015**, 132, | 2.9 | 14 |

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| 63 | Removal of arsenic from water by combination of electro-oxidation and polymer enhanced ultrafiltration. *Environmental Progress and Sustainable Energy*, **2014**, 33, 918-924 | 2.5 | 13 |
| 62 | Electrochemical reduction of Cr(VI) in the presence of sodium alginate and its application in water purification. *Journal of Environmental Sciences*, **2021**, 101, 304-312 | 6.4 | 13 |
| 61 | Lignin-based adsorbent materials for metal ion removal from wastewater: A review. *Industrial Crops and Products*, **2021**, 167, 113510 | 5.9 | 13 |
| 60 | Functionalized galactoglucomannan-based hydrogels for the removal of metal cations from aqueous solutions. *Journal of Applied Polymer Science*, **2016**, 133, | 2.9 | 12 |
| 59 | Removal of boron from water through soluble polymer based on N-methyl-D-glucamine and regenerated-cellulose membrane. *Desalination and Water Treatment*, **2016**, 57, 861-869 | | 11 |
| 58 | Water-soluble polymer and photocatalysis for arsenic removal. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a | 2.9 | 11 |
| 57 | Chelating water-soluble polymers associated with ultrafiltration membranes for metal ion removal. *Polymer Bulletin*, **2012**, 69, 881-898 | 2.4 | 11 |
| 56 | Adsorption of methylene blue in aqueous solution using hydrogels based on 2-hydroxyethyl methacrylate copolymerized with itaconic acid or acrylic acid. *Materials Today Communications*, **2020**, 25, 101324 | 2.5 | 10 |
| 55 | Quaternized hydroxyethyl cellulose ethoxylate and membrane separation techniques for arsenic removal. *Desalination and Water Treatment*, **2016**, 57, 25161-25169 | | 10 |
| 54 | Removal of As(V) using liquid-phase polymer-based retention (LPR) technique with regenerated cellulose membrane as a filter. *Polymer Bulletin*, **2013**, 70, 2633-2644 | 2.4 | 10 |
| 53 | EFFICIENT REMOVAL OF Cr(VI) BY POLYELECTROLYTE-ASSISTED ULTRAFILTRATION AND SUBSEQUENT ELECTROCHEMICAL REDUCTION TO Cr(III). *Journal of the Chilean Chemical Society*, **2017**, 62, 3647-3652 | 2.5 | 9 |
| 52 | Tailor-made hemicellulose-based hydrogels reinforced with nanofibrillated cellulose. *Nordic Pulp and Paper Research Journal*, **2015**, 30, 373-384 | 1.1 | 9 |
| 51 | Removal of arsenate from ionic mixture by anion exchanger water-soluble polymers combined with ultrafiltration membranes. *Polymer Bulletin*, **2012**, 69, 1007-1022 | 2.4 | 9 |
| 50 | Comparison of Direct and Mediated Electron Transfer for Bilirubin Oxidase from Myrothecium Verrucaria. Effects of Inhibitors and Temperature on the Oxygen Reduction Reaction. *Catalysts*, **2019**, 9, 1056 | 4 | 9 |
| 49 | Polyelectrolytes applied to remove methylene blue and methyl orange dyes from water via polymer-enhanced ultrafiltration. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106297 | 6.8 | 8 |
| 48 | Ultrafiltration assisted by water-soluble poly(diallyl dimethyl ammonium chloride) for As(V) removal. *Polymer Bulletin*, **2016**, 73, 241-254 | 2.4 | 7 |
| 47 | Porous Surface Films With Tunable Morphologies and Hydrophobic Properties Based on Block Copolymer Under the Effects of Thermal Annealing. *Frontiers in Chemistry*, **2019**, 7, 181 | 5 | 7 |
| 46 | New insights in the use of a strong cationic resin in dye adsorption. *Water Science and Technology*, **2020**, 81, 773-780 | 2.2 | 7 |

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| 45 | Hybrid polymer films based ZnS nanocomposites and its optical and morphological properties: Monitoring the role of the binding-site interaction. *Materials Research Bulletin*, **2018**, 98, 15-24 | 5.1 | 7 |
| 44 | Application of the liquid-phase polymer-based retention technique to the sorption of molybdenum(VI) and vanadium(V). *Polymer Bulletin*, **2019**, 76, 539-552 | 2.4 | 7 |
| 43 | Water-Soluble Polyelectrolytes with Ability to Remove Arsenic. *Macromolecular Symposia*, **2010**, 296, 416-428 | 0.8 | 7 |
| 42 | Interpenetrating polymers supported on microporous polypropylene membranes for the transport of chromium ions. *Chinese Journal of Chemical Engineering*, **2017**, 25, 938-946 | 3.2 | 6 |
| 41 | Ion-selective interpenetrating polymer networks supported inside polypropylene microporous membranes for the removal of chromium ions from aqueous media. *Polymer Bulletin*, **2016**, 73, 989-1013 | 2.4 | 6 |
| 40 | Modification of regenerated cellulose membranes with cationic polymer and its Cr(VI) retention capacity. *Journal of Water Process Engineering*, **2019**, 30, 100619 | 6.7 | 6 |
| 39 | WATER-SOLUBLE CATIONIC CELLULOSE COUPLED TO A ULTRAFILTRATION MEMBRANE FOR THE REMOVAL OF ARSENIC AND CHROMIUM. *Journal of the Chilean Chemical Society*, **2013**, 58, 1986-1990 | 2.5 | 6 |
| 38 | Preparation, characterization, and thermal properties of hydrophilic copolymers: p-chlorophenylmaleimides with hydroxylethyl methacrylate and methyl itaconate. *Polymer International*, **2007**, 56, 1166-1172 | 3.3 | 6 |
| 37 | Recent advances on hydrogels based on chitosan and alginate for the adsorption of dyes and metal ions from water. *Arabian Journal of Chemistry*, **2021**, 14, 103455 | 5.9 | 6 |
| 36 | Morphological, optical and wettability characterization of honeycomb patterned films based on self-assembling copolymer under thermal annealing. *Chemical Physics*, **2020**, 533, 110715 | 2.3 | 5 |
| 35 | Monitoring morphological and optical properties on hybrid porous polymer films. *International Journal of Polymer Analysis and Characterization*, **2017**, 22, 741-751 | 1.7 | 5 |
| 34 | Polypropylene membranes modified with interpenetrating polymer networks for the removal of chromium ions. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a | 2.9 | 5 |
| 33 | FERROCENYL ALKYLAMMONIUM N-SUBSTITUTED POLYPYRROLE CONTAINING Pt AND Pd AND ITS APPLICATION ON ELECTROANALYSIS OF ARSENITE. *Journal of the Chilean Chemical Society*, **2016**, 61, 3277-3280 | 2.5 | 5 |
| 32 | Chitosan- and Alginate-Based Hydrogels for the Adsorption of Anionic and Cationic Dyes from Water.. *Polymers*, **2022**, 14, | 4.5 | 5 |
| 31 | Tuning the Interfacial Chemistry of Redox-Active Polymer for Bifunctional Probing. *ChemElectroChem*, **2017**, 4, 692-700 | 4.3 | 4 |
| 30 | Microporous hybrid films from amphiphilic copolymers: surface coated with ZnS nanoparticles using the breath figure (BF) methodology. *Chemical Papers*, **2020**, 74, 2605-2612 | 1.9 | 4 |
| 29 | ACTIVATED POLYPROPYLENE MEMBRANES WITH ION-EXCHANGE POLYMERS TO TRANSPORT CHROMIUM IONS IN WATER. *Journal of the Chilean Chemical Society*, **2019**, 64, 4597-4606 | 2.5 | 4 |
| 28 | Organic Membranes and Polymers for the Removal of Pollutants **2016**, 203-235 | | 4 |

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| 27 | Electrodeposition of Cu2O nanostructures with improved semiconductor properties. *Cogent Engineering*, **2021**, 8, 1875534 | 1.5 | 4 |
| 26 | Hydrogels Based on Poly([2-(acryloxy)ethyl] Trimethylammonium Chloride) and Nanocellulose Applied to Remove Methyl Orange Dye from Water. *Polymers*, **2021**, 13, | 4.5 | 4 |
| 25 | Lignocellulose-based materials and their application in the removal of dyes from water: A review. *Sustainable Materials and Technologies*, **2021**, 29, e00320 | 5.3 | 4 |
| 24 | Removal of molybdate and vanadate ions by a copolymer adsorbent in a ultrafiltration system. *Journal of Applied Polymer Science*, **2019**, 136, 48184 | 2.9 | 3 |
| 23 | Methylene blue removal from aqueous solutions by sulfonated polymeric porous sorbents184, 367-374 | | 3 |
| 22 | BIOPOLYMERS APPLIED TO REMOVE METAL IONS THROUGH ULTRAFILTRATION. A REVIEW. *Journal of the Chilean Chemical Society*, **2020**, 65, 5004-5010 | 2.5 | 3 |
| 21 | Use of sodium alginate biopolymer as an extracting agent of methylene blue in the polymer-enhanced ultrafiltration technique. *Journal of Applied Polymer Science*, **2021**, 138, 50844 | 2.9 | 3 |
| 20 | An unexplored strategy for synthesis of ZnO nanowire films by electrochemical anodization using an organic-based electrolyte. Morphological and optical properties characterization. *Chemical Physics Letters*, **2021**, 778, 138825 | 2.5 | 3 |
| 19 | Nanosized spherical and porous films based on poly(acrylic acid)-b-poly(N-phenylmaleimide) and poly(hydroxypropyl metacrylate)-b-poly(N-phenylmaleimide): Optical, thermal and morphological properties. *Cogent Engineering*, **2020**, 7, 1744920 | 1.5 | 2 |
| 18 | FUNCTIONAL ION MEMBRANES SUPPORTED INSIDE MICROPOROUS POLYPROPYLENE MEMBRANES TO TRANSPORT CHROMIUM IONS: DETERMINATION OF MASS TRANSPORT COEFFICIENT. *Journal of the Chilean Chemical Society*, **2014**, 59, 2737-2746 | 2.5 | 2 |
| 17 | Liquid-Phase Polymer-Based Retention of Chromate and Arsenate Oxy-Anions. *Macromolecular Symposia*, **2012**, 317-318, 123-136 | 0.8 | 2 |
| 16 | Removal of chromium ions by functional polymers in conjunction with ultrafiltration membranes. *Pure and Applied Chemistry*, **2020**, 92, 883-896 | 2.1 | 2 |
| 15 | LIQUID-PHASE POLYMER-BASED RETENTION TO REMOVE ARSENIC FROM WATER. *Journal of the Chilean Chemical Society*, **2019**, 64, 4513-4522 | 2.5 | 2 |
| 14 | HYDROGELS BASED ON 2-HYDROXYETHYL METHACRYLATE: SYNTHESIS, CHARACTERIZATION AND HYDRATION CAPACITY. *Journal of the Chilean Chemical Society*, **2020**, 65, 4682-4685 | 2.5 | 2 |
| 13 | Preparation of photoactive ZnS-composite porous polymer films: Fluorescent and morphological properties. *Designed Monomers and Polymers*, **2021**, 24, 320-329 | 3.1 | 2 |
| 12 | Design and Study of a Photo-Switchable Polymeric System in the Presence of ZnS Nanoparticles under the Influence of UV Light Irradiation.. *Polymers*, **2022**, 14, | 4.5 | 2 |
| 11 | Nanocomposites based on self-assembly poly(hydroxypropyl methacrylate)-block-poly(N-phenylmaleimide) and Fe3O4-NPs. Thermal stability, morphological characterization and optical properties. *Chemical Physics Letters*, **2018**, 693, 183-187 | 2.5 | 1 |
| 10 | Vegetable filters reinforced with fibrillated cellulose for iron removal from water and organic white wines. *Environmental Technology and Innovation*, **2022**, 25, 102104 | 7 | 1 |

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| 9 | Removal of Nafcillin Sodium Monohydrate from Aqueous Solution by Hydrogels Containing Nanocellulose: An Experimental and Theoretical Study. *Journal of Molecular Liquids*, **2021**, 117946 | 6 | 1 |
| 8 | Bio-Based Hydrogels With Ion Exchange Properties Applied to Remove Cu(II), Cr(VI), and As(V) Ions From Water. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 656472 | 5.8 | 1 |
| 7 | Removal of lithium ions from aqueous solutions by an ultrafiltration membrane coupled to soluble functional polymer. *Separation and Purification Technology*, **2022**, 288, 120715 | 8.3 | 1 |
| 6 | Water-soluble polymer associated to regenerated cellulose membrane for boron removal. *Macromolecular Symposia*, **2015**, 351, 37-45 | 0.8 | 0 |
| 5 | Poly(hydroxyamide) as support for thin-film composite membranes for water treatment. *Polymer Bulletin*, **2019**, 76, 4613-4625 | 2.4 | 0 |
| 4 | Nanocellulose bio-based composites for the removal of methylene blue from water: An experimental and theoretical exploration. *Journal of Molecular Liquids*, **2022**, 357, 119089 | 6 | 0 |
| 3 | Soluble Polymer Containing an N-Methyl-D-glucamine Ligand for the Removal of Pollutant Oxy-Anions from Water. *ACS Symposium Series*, **2017**, 197-211 | 0.4 | |
| 2 | Free radical copolymerization of functional water-soluble poly(N-maleoylglycine-co-crotonic acid): polymer metal ion retention capacity, electrochemical, and thermal behavior. *Polymer Bulletin*, **2010**, 65, 701-717 | 2.4 | |
| 1 | The importance of polymers in the preparation of biomaterials for removal of metal and control of bacterial infections for healthcare applications **2022**, 235-256 | | |