

Julio A Sanchez

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.

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	Vegetable filters reinforced with fibrillated cellulose for iron removal from water and organic white wines. <i>Environmental Technology and Innovation</i> , 2022 , 25, 102104	7	1
79	Design and Study of a Photo-Switchable Polymeric System in the Presence of ZnS Nanoparticles under the Influence of UV Light Irradiation.. <i>Polymers</i> , 2022 , 14,	4.5	2
78	Chitosan- and Alginate-Based Hydrogels for the Adsorption of Anionic and Cationic Dyes from Water.. <i>Polymers</i> , 2022 , 14,	4.5	5
77	Removal of lithium ions from aqueous solutions by an ultrafiltration membrane coupled to soluble functional polymer. <i>Separation and Purification Technology</i> , 2022 , 288, 120715	8.3	1
76	Nanocellulose bio-based composites for the removal of methylene blue from water: An experimental and theoretical exploration. <i>Journal of Molecular Liquids</i> , 2022 , 357, 119089	6	0
75	The importance of polymers in the preparation of biomaterials for removal of metal and control of bacterial infections for healthcare applications 2022 , 235-256		
74	Preparation of photoactive ZnS-composite porous polymer films: Fluorescent and morphological properties. <i>Designed Monomers and Polymers</i> , 2021 , 24, 320-329	3.1	2
73	Removal of Nafcillin Sodium Monohydrate from Aqueous Solution by Hydrogels Containing Nanocellulose: An Experimental and Theoretical Study. <i>Journal of Molecular Liquids</i> , 2021 , 117946	6	1
72	Use of sodium alginate biopolymer as an extracting agent of methylene blue in the polymer-enhanced ultrafiltration technique. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50844	2.9	3
71	Bio-Based Hydrogels With Ion Exchange Properties Applied to Remove Cu(II), Cr(VI), and As(V) Ions From Water. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 656472	5.8	1
70	Electrochemical reduction of Cr(VI) in the presence of sodium alginate and its application in water purification. <i>Journal of Environmental Sciences</i> , 2021 , 101, 304-312	6.4	13
69	Electrodeposition of Cu ₂ O nanostructures with improved semiconductor properties. <i>Cogent Engineering</i> , 2021 , 8, 1875534	1.5	4
68	Hydrogels Based on Poly([2-(acryloxy)ethyl] Trimethylammonium Chloride) and Nanocellulose Applied to Remove Methyl Orange Dye from Water. <i>Polymers</i> , 2021 , 13,	4.5	4
67	An unexplored strategy for synthesis of ZnO nanowire films by electrochemical anodization using an organic-based electrolyte. Morphological and optical properties characterization. <i>Chemical Physics Letters</i> , 2021 , 778, 138825	2.5	3
66	Recent advances on hydrogels based on chitosan and alginate for the adsorption of dyes and metal ions from water. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103455	5.9	6
65	Lignin-based adsorbent materials for metal ion removal from wastewater: A review. <i>Industrial Crops and Products</i> , 2021 , 167, 113510	5.9	13
64	Lignocellulose-based materials and their application in the removal of dyes from water: A review. <i>Sustainable Materials and Technologies</i> , 2021 , 29, e00320	5.3	4

63	Polyelectrolytes applied to remove methylene blue and methyl orange dyes from water via polymer-enhanced ultrafiltration. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106297	6.8	8
62	New insights in the use of a strong cationic resin in dye adsorption. <i>Water Science and Technology</i> , 2020 , 81, 773-780	2.2	7
61	Nanosized spherical and porous films based on poly(acrylic acid)-b-poly(N-phenylmaleimide) and poly(hydroxypropyl methacrylate)-b-poly(N-phenylmaleimide): Optical, thermal and morphological properties. <i>Cogent Engineering</i> , 2020 , 7, 1744920	1.5	2
60	Adsorption of methylene blue in aqueous solution using hydrogels based on 2-hydroxyethyl methacrylate copolymerized with itaconic acid or acrylic acid. <i>Materials Today Communications</i> , 2020 , 25, 101324	2.5	10
59	Morphological, optical and wettability characterization of honeycomb patterned films based on self-assembling copolymer under thermal annealing. <i>Chemical Physics</i> , 2020 , 533, 110715	2.3	5
58	Microporous hybrid films from amphiphilic copolymers: surface coated with ZnS nanoparticles using the breath figure (BF) methodology. <i>Chemical Papers</i> , 2020 , 74, 2605-2612	1.9	4
57	Removal of chromium ions by functional polymers in conjunction with ultrafiltration membranes. <i>Pure and Applied Chemistry</i> , 2020 , 92, 883-896	2.1	2
56	HYDROGELS BASED ON 2-HYDROXYETHYL METHACRYLATE: SYNTHESIS, CHARACTERIZATION AND HYDRATION CAPACITY. <i>Journal of the Chilean Chemical Society</i> , 2020 , 65, 4682-4685	2.5	2
55	BIOPOLYMERS APPLIED TO REMOVE METAL IONS THROUGH ULTRAFILTRATION. A REVIEW. <i>Journal of the Chilean Chemical Society</i> , 2020 , 65, 5004-5010	2.5	3
54	Porous Surface Films With Tunable Morphologies and Hydrophobic Properties Based on Block Copolymer Under the Effects of Thermal Annealing. <i>Frontiers in Chemistry</i> , 2019 , 7, 181	5	7
53	Application of the liquid-phase polymer-based retention technique to the sorption of molybdenum(VI) and vanadium(V). <i>Polymer Bulletin</i> , 2019 , 76, 539-552	2.4	7
52	Modification of regenerated cellulose membranes with cationic polymer and its Cr(VI) retention capacity. <i>Journal of Water Process Engineering</i> , 2019 , 30, 100619	6.7	6
51	Removal of molybdate and vanadate ions by a copolymer adsorbent in a ultrafiltration system. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48184	2.9	3
50	LIQUID-PHASE POLYMER-BASED RETENTION TO REMOVE ARSENIC FROM WATER. <i>Journal of the Chilean Chemical Society</i> , 2019 , 64, 4513-4522	2.5	2
49	ACTIVATED POLYPROPYLENE MEMBRANES WITH ION-EXCHANGE POLYMERS TO TRANSPORT CHROMIUM IONS IN WATER. <i>Journal of the Chilean Chemical Society</i> , 2019 , 64, 4597-4606	2.5	4
48	Comparison of Direct and Mediated Electron Transfer for Bilirubin Oxidase from <i>Myrothecium Verrucaria</i> . Effects of Inhibitors and Temperature on the Oxygen Reduction Reaction. <i>Catalysts</i> , 2019 , 9, 1056	4	9
47	Poly(hydroxyamide) as support for thin-film composite membranes for water treatment. <i>Polymer Bulletin</i> , 2019 , 76, 4613-4625	2.4	0
46	Poly(N,N-dimethylaminoethyl methacrylate) for removing chromium (VI) through polymer-enhanced ultrafiltration technique. <i>Reactive and Functional Polymers</i> , 2018 , 127, 67-73	4.6	28

45	Nanocomposites based on self-assembly poly(hydroxypropyl methacrylate)-block-poly(N-phenylmaleimide) and Fe ₃ O ₄ -NPs. Thermal stability, morphological characterization and optical properties. <i>Chemical Physics Letters</i> , 2018 , 693, 183-187	2.5	1
44	Hybrid polymer films based ZnS nanocomposites and its optical and morphological properties: Monitoring the role of the binding-site interaction. <i>Materials Research Bulletin</i> , 2018 , 98, 15-24	5.1	7
43	Water-Soluble and Insoluble Polymers, Nanoparticles, Nanocomposites and Hybrids With Ability to Remove Hazardous Inorganic Pollutants in Water. <i>Frontiers in Chemistry</i> , 2018 , 6, 320	5	39
42	Tuning the Interfacial Chemistry of Redox-Active Polymer for Bifunctional Probing. <i>ChemElectroChem</i> , 2017 , 4, 692-700	4.3	4
41	Interpenetrating polymers supported on microporous polypropylene membranes for the transport of chromium ions. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 938-946	3.2	6
40	Preparation and characterization of water-soluble polymers and their utilization in chromium sorption. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45355	2.9	15
39	EFFICIENT REMOVAL OF Cr(VI) BY POLYELECTROLYTE-ASSISTED ULTRAFILTRATION AND SUBSEQUENT ELECTROCHEMICAL REDUCTION TO Cr(III). <i>Journal of the Chilean Chemical Society</i> , 2017 , 62, 3647-3652	2.5	9
38	Monitoring morphological and optical properties on hybrid porous polymer films. <i>International Journal of Polymer Analysis and Characterization</i> , 2017 , 22, 741-751	1.7	5
37	Soluble Polymer Containing an N-Methyl-D-glucamine Ligand for the Removal of Pollutant Oxy-Anions from Water. <i>ACS Symposium Series</i> , 2017 , 197-211	0.4	
36	Nanostructuring of anodic copper oxides in fluoride-containing ethylene glycol media. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 807, 181-186	4.1	19
35	Ultrafiltration assisted by water-soluble poly(diallyl dimethyl ammonium chloride) for As(V) removal. <i>Polymer Bulletin</i> , 2016 , 73, 241-254	2.4	7
34	Functionalized galactoglucomannan-based hydrogels for the removal of metal cations from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	12
33	Removal of boron from water through soluble polymer based on N-methyl-D-glucamine and regenerated-cellulose membrane. <i>Desalination and Water Treatment</i> , 2016 , 57, 861-869		11
32	Quaternized hydroxyethyl cellulose ethoxylate and membrane separation techniques for arsenic removal. <i>Desalination and Water Treatment</i> , 2016 , 57, 25161-25169		10
31	Ion-selective interpenetrating polymer networks supported inside polypropylene microporous membranes for the removal of chromium ions from aqueous media. <i>Polymer Bulletin</i> , 2016 , 73, 989-1013 ^{2.4}		6
30	FERROCENYL ALKYLAMMONIUM N-SUBSTITUTED POLYPYRROLE CONTAINING Pt AND Pd AND ITS APPLICATION ON ELECTROANALYSIS OF ARSENITE. <i>Journal of the Chilean Chemical Society</i> , 2016 , 61, 3277-3280	2.5	5
29	Polymers and nanocomposites: synthesis and metal ion pollutant uptake. <i>Polymer International</i> , 2016 , 65, 255-267	3.3	22
28	Organic Membranes and Polymers for the Removal of Pollutants 2016 , 203-235		4

27	Electrochemical oxidation and removal of arsenic using water-soluble polymers. <i>Journal of Applied Electrochemistry</i> , 2015 , 45, 151-159	2.6	20
26	Poly(N-vinylpyrrolidone-co-2-acrylamido-2-methylpropanesulfonate sodium): Synthesis, characterization, and its potential application for the removal of metal ions from aqueous solution. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	14
25	Polypropylene membranes modified with interpenetrating polymer networks for the removal of chromium ions. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	5
24	Water-soluble polymer associated to regenerated cellulose membrane for boron removal. <i>Macromolecular Symposia</i> , 2015 , 351, 37-45	0.8	0
23	Tailor-made hemicellulose-based hydrogels reinforced with nanofibrillated cellulose. <i>Nordic Pulp and Paper Research Journal</i> , 2015 , 30, 373-384	1.1	9
22	Water-soluble polymer and photocatalysis for arsenic removal. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	11
21	Cationic hemicellulose-based hydrogels for arsenic and chromium removal from aqueous solutions. <i>Carbohydrate Polymers</i> , 2014 , 111, 797-805	10.3	60
20	FUNCTIONAL ION MEMBRANES SUPPORTED INSIDE MICROPOROUS POLYPROPYLENE MEMBRANES TO TRANSPORT CHROMIUM IONS: DETERMINATION OF MASS TRANSPORT COEFFICIENT. <i>Journal of the Chilean Chemical Society</i> , 2014 , 59, 2737-2746	2.5	2
19	Removal of arsenic from water by combination of electro-oxidation and polymer enhanced ultrafiltration. <i>Environmental Progress and Sustainable Energy</i> , 2014 , 33, 918-924	2.5	13
18	Removal of As(V) using liquid-phase polymer-based retention (LPR) technique with regenerated cellulose membrane as a filter. <i>Polymer Bulletin</i> , 2013 , 70, 2633-2644	2.4	10
17	Novel N-methyl-D-glucamine-based water-soluble polymer and its potential application in the removal of arsenic. <i>Separation and Purification Technology</i> , 2013 , 103, 1-7	8.3	29
16	Removal of arsenite by coupled electrocatalytic oxidation at polymer-ruthenium oxide nanocomposite and polymer-assisted liquid phase retention. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 130-136	21.8	29
15	Boron removal by liquid-phase polymer-based retention technique using poly(glycidyl methacrylate N-methyl D-glucamine). <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1541-1545	2.9	18
14	WATER-SOLUBLE CATIONIC CELLULOSE COUPLED TO A ULTRAFILTRATION MEMBRANE FOR THE REMOVAL OF ARSENIC AND CHROMIUM. <i>Journal of the Chilean Chemical Society</i> , 2013 , 58, 1986-1990	2.5	6
13	Chelating water-soluble polymers associated with ultrafiltration membranes for metal ion removal. <i>Polymer Bulletin</i> , 2012 , 69, 881-898	2.4	11
12	Removal of arsenate from ionic mixture by anion exchanger water-soluble polymers combined with ultrafiltration membranes. <i>Polymer Bulletin</i> , 2012 , 69, 1007-1022	2.4	9
11	Multilayer assemblies of polyelectrolyte-gold nanoparticles for the electrocatalytic oxidation and detection of arsenic(III). <i>Journal of Colloid and Interface Science</i> , 2012 , 383, 130-9	9.3	54
10	Liquid-Phase Polymer-Based Retention of Chromate and Arsenate Oxy-Anions. <i>Macromolecular Symposia</i> , 2012 , 317-318, 123-136	0.8	2

9	Cationic hydrophilic polymers coupled to ultrafiltration membranes to remove chromium (VI) from aqueous solution. <i>Desalination</i> , 2011 , 279, 338-343	10.3	37
8	Arsenate retention from aqueous solution by hydrophilic polymers through ultrafiltration membranes. <i>Desalination</i> , 2011 , 270, 57-63	10.3	24
7	Water-soluble functional polymers in conjunction with membranes to remove pollutant ions from aqueous solutions. <i>Progress in Polymer Science</i> , 2011 , 36, 294-322	29.6	128
6	Water-Soluble Polyelectrolytes with Ability to Remove Arsenic. <i>Macromolecular Symposia</i> , 2010 , 296, 416-428	0.8	7
5	Free radical copolymerization of functional water-soluble poly(N-maleoylglycine-co-crotonic acid): polymer metal ion retention capacity, electrochemical, and thermal behavior. <i>Polymer Bulletin</i> , 2010 , 65, 701-717	2.4	
4	Arsenic extraction from aqueous solution: Electrochemical oxidation combined with ultrafiltration membranes and water-soluble polymers. <i>Chemical Engineering Journal</i> , 2010 , 165, 625-632	14.7	25
3	Electrocatalytic oxidation of As(III) to As(V) using noble metal polymer nanocomposites. <i>Electrochimica Acta</i> , 2010 , 55, 4876-4882	6.7	38
2	Preparation, characterization, and thermal properties of hydrophilic copolymers: p-chlorophenylmaleimides with hydroxylethyl methacrylate and N-methyl itaconate. <i>Polymer International</i> , 2007 , 56, 1166-1172	3.3	6
1	Methylene blue removal from aqueous solutions by sulfonated polymeric porous sorbents	184, 367-374	3