

Thierry Vincent

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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.

89
papers

3,597
citations

39
h-index

58
g-index

89
ext. papers

3,971
ext. citations

6.4
avg, IF

5.54
L-index

#	Paper	IF	Citations
89	Sulfur derivatives of chitosan for palladium sorption. <i>Reactive and Functional Polymers</i> , 2002 , 50, 149-163	4.6	146
88	Palladium and platinum recovery from bicomponent mixtures using chitosan derivatives. <i>Hydrometallurgy</i> , 2005 , 76, 131-147	4	143
87	Chitosan-Supported Palladium Catalyst. 3. Influence of Experimental Parameters on Nitrophenol Degradation. <i>Langmuir</i> , 2003 , 19, 8475-8483	4	131
86	Chitosan Sorbents for Platinum Sorption from Dilute Solutions. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 4011-4022	3.9	122
85	A novel algal-based sorbent for heavy metal removal. <i>Chemical Engineering Journal</i> , 2018 , 332, 582-595	14.7	121
84	Treatment of arsenic-containing solutions using chitosan derivatives: uptake mechanism and sorption performances. <i>Water Research</i> , 2002 , 36, 3699-710	12.5	116
83	Metal anion sorption on chitosan and derivative materials: a strategy for polymer modification and optimum use. <i>Reactive and Functional Polymers</i> , 2004 , 60, 137-149	4.6	115
82	Uranium extraction using magnetic nano-based particles of diethylenetriamine-functionalized chitosan: Equilibrium and kinetic studies. <i>Chemical Engineering Journal</i> , 2015 , 262, 198-209	14.7	98
81	Sorption and desorption of uranyl ions by silica gel: pH, particle size and porosity effects. <i>Microporous Materials</i> , 1996 , 5, 309-324		95
80	Cysteine-Functionalized Chitosan Magnetic Nano-Based Particles for the Recovery of Light and Heavy Rare Earth Metals: Uptake Kinetics and Sorption Isotherms. <i>Nanomaterials</i> , 2015 , 5, 154-179	5.4	87
79	Preparation of chitosan gel beads by ionotropic molybdate gelation. <i>Biomacromolecules</i> , 2001 , 2, 1198-205		86
78	Immobilization of metal hexacyanoferrates in chitin beads for cesium sorption: synthesis and characterization. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10007	13	83
77	Metal ion biosorption on chitosan for the synthesis of advanced materials. <i>Journal of Materials Science</i> , 2014 , 49, 5505-5518	4.3	81
76	Gold Recovery from HCl Solutions using Cyphos IL-101 (a Quaternary Phosphonium Ionic Liquid) Immobilized in Biopolymer Capsules. <i>Solvent Extraction and Ion Exchange</i> , 2008 , 26, 570-601	2.5	74
75	Pt recovery using Cyphos IL-101 immobilized in biopolymer capsules. <i>Separation and Purification Technology</i> , 2008 , 62, 470-479	8.3	74
74	Cr(VI) Extraction Using Aliquat 336 in a Hollow Fiber Module Made of Chitosan. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1406-1411	3.9	74
73	Chitosan-Supported Palladium Catalyst. 1. Synthesis Procedure. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 5158-5164	3.9	72

72	Competitive sorption of platinum and palladium on chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2001 , 28, 401-8	7.9	72
71	Immobilization of Metal Hexacyanoferrate Ion-Exchangers for the Synthesis of Metal Ion Sorbents--A Mini-Review. <i>Molecules</i> , 2015 , 20, 20582-613	4.8	71
70	Diethylenetriamine-functionalized chitosan magnetic nano-based particles for the sorption of rare earth metal ions [Nd(III), Dy(III) and Yb(III)]. <i>Cellulose</i> , 2015 , 22, 2589-2605	5.5	64
69	Silver/chitosan/cellulose fibers foam composites: from synthesis to antibacterial properties. <i>Journal of Colloid and Interface Science</i> , 2013 , 393, 411-20	9.3	63
68	Recovering Heavy Metal Ions from Complex Solutions Using Polyethylenimine Derivatives Encapsulated in Alginate Matrix. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 2461-2470	3.9	60
67	Immobilization of extractants in biopolymer capsules for the synthesis of new resins: a focus on the encapsulation of tetraalkyl phosphonium ionic liquids. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8515		59
66	Immobilization of Cyphos IL-101 in biopolymer capsules for the synthesis of Pd sorbents. <i>Reactive and Functional Polymers</i> , 2008 , 68, 1159-1169	4.6	59
65	Pd(II) and Pt(IV) sorption using alginate and algal-based beads. <i>Chemical Engineering Journal</i> , 2017 , 313, 567-579	14.7	57
64	Amino Acid Functionalized Chitosan Magnetic Nanobased Particles for Uranyl Sorption. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12374-12385	3.9	57
63	Chitin-Prussian blue sponges for Cs(I) recovery: from synthesis to application in the treatment of accidental dumping of metal-bearing solutions. <i>Journal of Hazardous Materials</i> , 2015 , 287, 171-9	12.8	53
62	Palladium supported on chitosan hollow fiber for nitrotoluene hydrogenation. <i>Journal of Membrane Science</i> , 2009 , 329, 30-45	9.6	51
61	Immobilization of inorganic ion-exchanger into biopolymer foams [Application to cesium sorption]. <i>Chemical Engineering Journal</i> , 2014 , 236, 202-211	14.7	48
60	Bismuth recovery from acidic solutions using Cyphos IL-101 immobilized in a composite biopolymer matrix. <i>Water Research</i> , 2008 , 42, 4019-31	12.5	47
59	Palladium and platinum binding on an imidazol containing resin. <i>Hydrometallurgy</i> , 2008 , 92, 1-10	4	46
58	Alginate and Algal-Based Beads for the Sorption of Metal Cations: Cu(II) and Pb(II). <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	45
57	Development of a new chitosan/Ni(OH) ₂ -based sorbent for boron removal. <i>Chemical Engineering Journal</i> , 2014 , 244, 576-586	14.7	44
56	Boron recovery from seawater with a new low-cost adsorbent material. <i>Chemical Engineering Journal</i> , 2014 , 254, 463-471	14.7	44
55	Chitosan-supported palladium catalyst. 5. Nitrophenol degradation using palladium supported on hollow chitosan fibers. <i>Environmental Science & Technology</i> , 2004 , 38, 4233-40	10.3	44

54	Thallium(I) sorption using Prussian blue immobilized in alginate capsules. <i>Carbohydrate Polymers</i> , 2014 , 99, 517-26	10.3	43
53	Application of Silica Gel to Metal Ion Sorption: Static and Dynamic Removal of Uranyl Ions. <i>Environmental Technology (United Kingdom)</i> , 1995 , 16, 101-114	2.6	43
52	Cellulose and chitosan derivatives for enhanced sorption of erbium(III). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 529, 580-593	5.1	39
51	Dy(III) recovery from dilute solutions using magnetic-chitosan nano-based particles grafted with amino acids. <i>Journal of Materials Science</i> , 2015 , 50, 2832-2848	4.3	39
50	Chitosan-Supported Palladium Catalyst. II. Chlorophenol Dehalogenation. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 5968-5976	3.9	39
49	Functionalization of Magnetic Chitosan Particles for the Sorption of U(VI), Cu(II) and Zn(II)-Hydrazide Derivative of Glycine-Grafted Chitosan. <i>Materials</i> , 2017 , 10,	3.5	37
48	NON-DISPERSIVE LIQUID EXTRACTION OF Cr(VI) BY TBP/ALIQAT 336 USING CHITOSAN-MADE HOLLOW FIBER. <i>Solvent Extraction and Ion Exchange</i> , 2000 , 18, 1241-1260	2.5	31
47	Amidoxime Functionalization of Algal/Polyethyleneimine Beads for the Sorption of Sr(II) from Aqueous Solutions. <i>Molecules</i> , 2019 , 24,	4.8	29
46	Encapsulation of ammonium molybdophosphate and zirconium phosphate in alginate matrix for the sorption of rubidium(I). <i>Journal of Colloid and Interface Science</i> , 2013 , 409, 141-50	9.3	27
45	As(V) sorption from aqueous solutions using quaternized algal/polyethyleneimine composite beads. <i>Science of the Total Environment</i> , 2020 , 719, 137396	10.2	26
44	Palladium supported on alginate/ionic liquid highly porous monoliths: Application to 4-nitroaniline hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 444-452	21.8	25
43	Hydrogenation of nitrotoluene using palladium supported on chitosan hollow fiber: catalyst characterization and influence of operative parameters studied by experimental design methodology. <i>International Journal of Biological Macromolecules</i> , 2008 , 43, 69-78	7.9	25
42	Chitosan supported palladium catalyst. VI. Nitroaniline degradation. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 1634-1642	2.9	25
41	Selenium(VI) and copper(II) adsorption using polyethyleneimine-based resins: Effect of glutaraldehyde crosslinking and storage condition. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121637	12.8	25
40	Innovative conditioning of algal-based sorbents: Macro-porous discs for palladium sorption. <i>Chemical Engineering Journal</i> , 2017 , 325, 521-532	14.7	23
39	Chemical modifications of chitosan nano-based magnetic particles for enhanced uranyl sorption. <i>Hydrometallurgy</i> , 2017 , 168, 127-134	4	23
38	Chitosan-supported palladium catalyst. IV. Influence of temperature on nitrophenol degradation and thermodynamic parameters. <i>Journal of Environmental Management</i> , 2004 , 71, 15-23	7.9	23
37	Modeling competitive sorption of lead and copper ions onto alginate and greenly prepared algal-based beads. <i>Bioresource Technology</i> , 2017 , 231, 26-35	11	22

36	Sodium and acidic alginate foams with hierarchical porosity: Preparation, characterization and efficiency as a dye adsorbent. <i>Carbohydrate Polymers</i> , 2017 , 178, 78-85	10.3	22
35	Oxidation of hydroquinone to p-benzoquinone catalyzed by Cu(II) supported on chitosan flakes. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 3034-3043	2.9	22
34	Palladium and platinum sorption using chitosan-based hydrogels. <i>Adsorption</i> , 2010 , 16, 127-139	2.6	21
33	Quaternization of Composite Algal/PEI Beads for Enhanced Uranium Sorption-Application to Ore Acidic Leachate. <i>Gels</i> , 2020 , 6,	4.2	20
32	New highly-percolating alginate-PEI membranes for efficient recovery of chromium from aqueous solutions. <i>Carbohydrate Polymers</i> , 2019 , 225, 115177	10.3	20
31	Palladium Recovery from Dilute Effluents using Biopolymer-Immobilized Extractant. <i>Separation Science and Technology</i> , 2006 , 41, 2533-2553	2.5	20
30	Study of Alginate-Supported Ionic Liquid and Pd Catalysts. <i>Nanomaterials</i> , 2012 , 2, 31-53	5.4	19
29	A new method for incorporating polyethyleneimine (PEI) in algal beads: High stability as sorbent for palladium recovery and supported catalyst for nitrophenol hydrogenation. <i>Materials Chemistry and Physics</i> , 2019 , 221, 144-155	4.4	19
28	Palladium Recovery by Reactive Precipitation using a Cyanex 301-Based Stable Emulsion. <i>Separation Science and Technology</i> , 2007 , 42, 3517-3536	2.5	17
27	Highly porous catalytic materials with Pd and ionic liquid supported on chitosan. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 3122-3130	2.9	15
26	Praseodymium sorption on Laminaria digitata algal beads and foams. <i>Journal of Colloid and Interface Science</i> , 2017 , 504, 780-789	9.3	14
25	Boron removal by a composite sorbent: Polyethylenimine/tannic acid derivative immobilized in alginate hydrogel beads. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 359-367	2.3	13
24	A Comparison of Palladium Sorption Using Polyethylenimine Impregnated Alginate-Based and Carrageenan-Based Algal Beads. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 264	2.6	11
23	Diffusion of biological molecules through hollow chitosan fibers. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3568-3578	2.9	11
22	New alginate foams: Box-Behnken design of their manufacturing; fire retardant and thermal insulating properties. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45868	2.9	10
21	Biocomposite films based on poly(lactic acid) and chitosan nanoparticles: Elaboration, microstructural and thermal characterization. <i>Polymer Engineering and Science</i> , 2019 , 59, E350-E360	2.3	10
20	Hybrid macroporous Pd catalytic discs for 4-nitroaniline hydrogenation: Contribution of the alginate-tetraalkylphosphonium ionic liquid support. <i>Journal of Organometallic Chemistry</i> , 2013 , 723, 90-97	2.3	9
19	Algal Foams Applied in Fixed-Bed Process for Lead(II) Removal Using Recirculation or One-Pass Modes. <i>Marine Drugs</i> , 2017 , 15,	6	8

18	Tetraalkylphosphonium Ionic Liquid Encapsulation in Alginate Beads for Cd(II) Sorption from HCl Solutions. <i>Solvent Extraction and Ion Exchange</i> , 2014 , 32, 543-561	2.5	8
17	Environmental Application of Chitosan-Supported Catalysts: Catalytic Hollow Fibers for the Degradation of Phenolic Derivatives. <i>Separation Science and Technology</i> , 2005 , 40, 633-657	2.5	7
16	Boosted Cr(VI) sorption coupled reduction from aqueous solution using quaternized algal/alginate@PEI beads. <i>Chemosphere</i> , 2021 , 281, 130844	8.4	7
15	Se(VI) sorption from aqueous solution using alginate/polyethylenimine membranes: Sorption performance and mechanism. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 832-843	7.9	6
14	Fire behavior of innovative alginate foams. <i>Carbohydrate Polymers</i> , 2020 , 250, 116910	10.3	6
13	Elaboration of light composite materials based on alginate and algal biomass for flame retardancy: preliminary tests. <i>Journal of Materials Science</i> , 2016 , 51, 10035-10047	4.3	6
12	Palladium nanoparticles supported on amine-functionalized alginate foams for hydrogenation of 3-nitrophenol. <i>Journal of Materials Science</i> , 2020 , 55, 2032-2051	4.3	6
11	Cadmium Recovery from HCl Solutions Using Cyanex 301 and Cyanex 302 Immobilized in Alginate Capsules (Matrix-Type vs. Mononuclear-Type Mode of Encapsulation). <i>Solvent Extraction and Ion Exchange</i> , 2017 , 35, 345-362	2.5	5
10	Interaction of Chitosan with Metal Ions: From Environmental Applications to the Elaboration of New Materials. <i>Advanced Materials Research</i> , 2009 , 71-73, 519-526	0.5	4
9	Free charge carrier repartition over the surface of photosensitive materials: Why and how to manage?. <i>Russian Journal of General Chemistry</i> , 2008 , 78, 1070-1080	0.7	4
8	Uranium (VI) Sorption Using Functionalized-Chitosan Magnetic Nanobased Particles. <i>Advanced Materials Research</i> , 2015 , 1130, 499-502	0.5	3
7	Investigation of mercury(II) and copper(II) sorption in single and binary systems by alginate/polyethylenimine membranes. <i>Carbohydrate Polymers</i> , 2021 , 257, 117588	10.3	3
6	Tuning the sorption properties of amidoxime-functionalized algal/polyethyleneimine beads for La(III) and Dy(III) using EDTA: Impact of metal speciation on selective separation. <i>Chemical Engineering Journal</i> , 2021 , 431, 133214	14.7	2
5	Extractant Immobilization in Alginate Capsules (Matrix- and Mononuclear-Type): Application to Pb(II) Sorption from HCl Solutions. <i>Materials</i> , 2017 , 10,	3.5	1
4	Biopolymers as Encapsulating Agents for the Immobilization of Prussian Blue and Analogues for the Sorption of Cesium. <i>Advanced Materials Research</i> , 2015 , 1130, 507-510	0.5	1
3	Chitosan-Based Hydrogels for the Recovery of Precious Metals. <i>Advanced Materials Research</i> , 2009 , 71-73, 733-736	0.5	1
2	Hybrid Nanocomposites Based on Prussian Blue-Type Nanoparticles Included into Polysaccharides Matrices 2017 , 85-119		
1	Biopolymer Encapsulation of PEI-Derivatives for Heavy Metal Sorption. <i>Advanced Materials Research</i> , 2015 , 1130, 529-532	0.5	

