Thierry Vincent

List of Publications by Year in Descending Order

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	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. *Chemical Engineering Journal*, **2021**, 431, 133214	14.7	2
88	Investigation of mercury(II) and copper(II) sorption in single and binary systems by alginate/polyethylenimine membranes. *Carbohydrate Polymers*, **2021**, 257, 117588	10.3	3
87	Boosted Cr(VI) sorption coupled reduction from aqueous solution using quaternized algal/alginate@PEI beads. *Chemosphere*, **2021**, 281, 130844	8.4	7
86	As(V) sorption from aqueous solutions using quaternized algal/polyethyleneimine composite beads. *Science of the Total Environment*, **2020**, 719, 137396	10.2	26
85	Quaternization of Composite Algal/PEI Beads for Enhanced Uranium Sorption-Application to Ore Acidic Leachate. *Gels*, **2020**, 6,	4.2	20
84	Selenium(VI) and copper(II) adsorption using polyethyleneimine-based resins: Effect of glutaraldehyde crosslinking and storage condition. *Journal of Hazardous Materials*, **2020**, 386, 121637	12.8	25
83	Se(VI) sorption from aqueous solution using alginate/polyethylenimine membranes: Sorption performance and mechanism. *International Journal of Biological Macromolecules*, **2020**, 147, 832-843	7.9	6
82	Fire behavior of innovative alginate foams. *Carbohydrate Polymers*, **2020**, 250, 116910	10.3	6
81	Palladium nanoparticles supported on amine-functionalized alginate foams for hydrogenation of 3-nitrophenol. *Journal of Materials Science*, **2020**, 55, 2032-2051	4.3	6
80	New highly-percolating alginate-PEI membranes for efficient recovery of chromium from aqueous solutions. *Carbohydrate Polymers*, **2019**, 225, 115177	10.3	20
79	Amidoxime Functionalization of Algal/Polyethyleneimine Beads for the Sorption of Sr(II) from Aqueous Solutions. *Molecules*, **2019**, 24,	4.8	29
78	A new method for incorporating polyethyleneimine (PEI) in algal beads: High stability as sorbent for palladium recovery and supported catalyst for nitrophenol hydrogenation. *Materials Chemistry and Physics*, **2019**, 221, 144-155	4.4	19
77	Biocomposite films based on poly(lactic acid) and chitosan nanoparticles: Elaboration, microstructural and thermal characterization. *Polymer Engineering and Science*, **2019**, 59, E350-E360	2.3	10
76	New alginate foams: Box-Behnken design of their manufacturing; fire retardant and thermal insulating properties. *Journal of Applied Polymer Science*, **2018**, 135, 45868	2.9	10
75	A novel algal-based sorbent for heavy metal removal. *Chemical Engineering Journal*, **2018**, 332, 582-595	14.7	121
74	A Comparison of Palladium Sorption Using Polyethylenimine Impregnated Alginate-Based and Carrageenan-Based Algal Beads. *Applied Sciences (Switzerland)*, **2018**, 8, 264	2.6	11
73	Boron removal by a composite sorbent: Polyethylenimine/tannic acid derivative immobilized in alginate hydrogel beads. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2017**, 52, 359-367	2.3	13

72	Modeling competitive sorption of lead and copper ions onto alginate and greenly prepared algal-based beads. *Bioresource Technology*, **2017**, 231, 26-35	11	22
71	Innovative conditioning of algal-based sorbents: Macro-porous discs for palladium sorption. *Chemical Engineering Journal*, **2017**, 325, 521-532	14.7	23
70	Cellulose and chitosan derivatives for enhanced sorption of erbium(III). *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 529, 580-593	5.1	39
69	Praseodymium sorption on Laminaria digitata algal beads and foams. *Journal of Colloid and Interface Science*, **2017**, 504, 780-789	9.3	14
68	Pd(II) and Pt(IV) sorption using alginate and algal-based beads. *Chemical Engineering Journal*, **2017**, 313, 567-579	14.7	57
67	Sodium and acidic alginate foams with hierarchical porosity: Preparation, characterization and efficiency as a dye adsorbent. *Carbohydrate Polymers*, **2017**, 178, 78-85	10.3	22
66	Hybrid Nanocomposites Based on Prussian Blue-Type Nanoparticles Included into Polysaccharides Matrices **2017**, 85-119		
65	Cadmium Recovery from HCl Solutions Using Cyanex 301 and Cyanex 302 Immobilized in Alginate Capsules (Matrix-Type vs. Mononuclear-Type Mode of Encapsulation). *Solvent Extraction and Ion Exchange*, **2017**, 35, 345-362	2.5	5
64	Chemical modifications of chitosan nano-based magnetic particles for enhanced uranyl sorption. *Hydrometallurgy*, **2017**, 168, 127-134	4	23
63	Functionalization of Magnetic Chitosan Particles for the Sorption of U(VI), Cu(II) and Zn(II)-Hydrazide Derivative of Glycine-Grafted Chitosan. *Materials*, **2017**, 10,	3.5	37
62	Extractant Immobilization in Alginate Capsules (Matrix- and Mononuclear-Type): Application to Pb(II) Sorption from HCl Solutions. *Materials*, **2017**, 10,	3.5	1
61	Algal Foams Applied in Fixed-Bed Process for Lead(II) Removal Using Recirculation or One-Pass Modes. *Marine Drugs*, **2017**, 15,	6	8
60	Recovering Heavy Metal Ions from Complex Solutions Using Polyethylenimine Derivatives Encapsulated in Alginate Matrix. *Industrial & Engineering Chemistry Research*, **2016**, 55, 2461-2470	3.9	60
59	Alginate and Algal-Based Beads for the Sorption of Metal Cations: Cu(II) and Pb(II). *International Journal of Molecular Sciences*, **2016**, 17,	6.3	45
58	Elaboration of light composite materials based on alginate and algal biomass for flame retardancy: preliminary tests. *Journal of Materials Science*, **2016**, 51, 10035-10047	4.3	6
57	Diethylenetriamine-functionalized chitosan magnetic nano-based particles for the sorption of rare earth metal ions [Nd(III), Dy(III) and Yb(III)]. *Cellulose*, **2015**, 22, 2589-2605	5.5	64
56	Cysteine-Functionalized Chitosan Magnetic Nano-Based Particles for the Recovery of Light and Heavy Rare Earth Metals: Uptake Kinetics and Sorption Isotherms. *Nanomaterials*, **2015**, 5, 154-179	5.4	87
55	Amino Acid Functionalized Chitosan Magnetic Nanobased Particles for Uranyl Sorption. *Industrial & Engineering Chemistry Research*, **2015**, 54, 12374-12385	3.9	57

54	Uranium extraction using magnetic nano-based particles of diethylenetriamine-functionalized chitosan: Equilibrium and kinetic studies. *Chemical Engineering Journal*, **2015**, 262, 198-209	14.7	98
53	Immobilization of Metal Hexacyanoferrate Ion-Exchangers for the Synthesis of Metal Ion Sorbents--A Mini-Review. *Molecules*, **2015**, 20, 20582-613	4.8	71
52	Uranium (VI) Sorption Using Functionalized-Chitosan Magnetic Nanobased Particles. *Advanced Materials Research*, **2015**, 1130, 499-502	0.5	3
51	Biopolymer Encapsulation of PEI-Derivatives for Heavy Metal Sorption. *Advanced Materials Research*, **2015**, 1130, 529-532	0.5	
50	Biopolymers as Encapsulating Agents for the Immobilization of Prussian Blue and Analogues for the Sorption of Cesium. *Advanced Materials Research*, **2015**, 1130, 507-510	0.5	1
49	Chitin-Prussian blue sponges for Cs(I) recovery: from synthesis to application in the treatment of accidental dumping of metal-bearing solutions. *Journal of Hazardous Materials*, **2015**, 287, 171-9	12.8	53
48	Dy(III) recovery from dilute solutions using magnetic-chitosan nano-based particles grafted with amino acids. *Journal of Materials Science*, **2015**, 50, 2832-2848	4.3	39
47	Thallium(I) sorption using Prussian blue immobilized in alginate capsules. *Carbohydrate Polymers*, **2014**, 99, 517-26	10.3	43
46	Immobilization of metal hexacyanoferrates in chitin beads for cesium sorption: synthesis and characterization. *Journal of Materials Chemistry A*, **2014**, 2, 10007	13	83
45	Immobilization of inorganic ion-exchanger into biopolymer foams Application to cesium sorption. *Chemical Engineering Journal*, **2014**, 236, 202-211	14.7	48
44	Metal ion biosorption on chitosan for the synthesis of advanced materials. *Journal of Materials Science*, **2014**, 49, 5505-5518	4.3	81
43	Development of a new chitosan/Ni(OH)2-based sorbent for boron removal. *Chemical Engineering Journal*, **2014**, 244, 576-586	14.7	44
42	Boron recovery from seawater with a new low-cost adsorbent material. *Chemical Engineering Journal*, **2014**, 254, 463-471	14.7	44
41	Tetraalkylphosphonium Ionic Liquid Encapsulation in Alginate Beads for Cd(II) Sorption from HCl Solutions. *Solvent Extraction and Ion Exchange*, **2014**, 32, 543-561	2.5	8
40	Encapsulation of ammonium molybdophosphate and zirconium phosphate in alginate matrix for the sorption of rubidium(I). *Journal of Colloid and Interface Science*, **2013**, 409, 141-50	9.3	27
39	Silver/chitosan/cellulose fibers foam composites: from synthesis to antibacterial properties. *Journal of Colloid and Interface Science*, **2013**, 393, 411-20	9.3	63
38	Hybrid macroporous Pd catalytic discs for 4-nitroaniline hydrogenation: Contribution of the alginate-tetraalkylphosphonium ionic liquid support. *Journal of Organometallic Chemistry*, **2013**, 723, 90-97	2.3	9
37	Highly porous catalytic materials with Pd and ionic liquid supported on chitosan. *Journal of Applied Polymer Science*, **2013**, 128, 3122-3130	2.9	15

36	Study of Alginate-Supported Ionic Liquid and Pd Catalysts. *Nanomaterials*, **2012**, 2, 31-53	5.4	19
35	Palladium supported on alginate/ionic liquid highly porous monoliths: Application to 4-nitroaniline hydrogenation. *Applied Catalysis B: Environmental*, **2011**, 103, 444-452	21.8	25
34	Palladium and platinum sorption using chitosan-based hydrogels. *Adsorption*, **2010**, 16, 127-139	2.6	21
33	Interaction of Chitosan with Metal Ions: From Environmental Applications to the Elaboration of New Materials. *Advanced Materials Research*, **2009**, 71-73, 519-526	0.5	4
32	Chitosan-Based Hydrogels for the Recovery of Precious Metals. *Advanced Materials Research*, **2009**, 71-73, 733-736	0.5	1
31	Palladium supported on chitosan hollow fiber for nitrotoluene hydrogenation. *Journal of Membrane Science*, **2009**, 329, 30-45	9.6	51
30	Immobilization of extractants in biopolymer capsules for the synthesis of new resins: a focus on the encapsulation of tetraalkyl phosphonium ionic liquids. *Journal of Materials Chemistry*, **2009**, 19, 8515		59
29	Gold Recovery from HCl Solutions using Cyphos IL-101 (a Quaternary Phosphonium Ionic Liquid) Immobilized in Biopolymer Capsules. *Solvent Extraction and Ion Exchange*, **2008**, 26, 570-601	2.5	74
28	Hydrogenation of nitrotoluene using palladium supported on chitosan hollow fiber: catalyst characterization and influence of operative parameters studied by experimental design methodology. *International Journal of Biological Macromolecules*, **2008**, 43, 69-78	7.9	25
27	Bismuth recovery from acidic solutions using Cyphos IL-101 immobilized in a composite biopolymer matrix. *Water Research*, **2008**, 42, 4019-31	12.5	47
26	Diffusion of biological molecules through hollow chitosan fibers. *Journal of Applied Polymer Science* , **2008**, 107, 3568-3578	2.9	11
25	Immobilization of Cyphos IL-101 in biopolymer capsules for the synthesis of Pd sorbents. *Reactive and Functional Polymers*, **2008**, 68, 1159-1169	4.6	59
24	Pt recovery using Cyphos IL-101 immobilized in biopolymer capsules. *Separation and Purification Technology*, **2008**, 62, 470-479	8.3	74
23	Palladium and platinum binding on an imidazol containing resin. *Hydrometallurgy*, **2008**, 92, 1-10	4	46
22	Free charge carrier repartition over the surface of photosensitive materials: Why and how to manage?. *Russian Journal of General Chemistry*, **2008**, 78, 1070-1080	0.7	4
21	Palladium Recovery by Reactive Precipitation using a Cyanex 301-Based Stable Emulsion. *Separation Science and Technology*, **2007**, 42, 3517-3536	2.5	17
20	Oxidation of hydroquinone to p-benzoquinone catalyzed by Cu(II) supported on chitosan flakes. *Journal of Applied Polymer Science*, **2006**, 100, 3034-3043	2.9	22
19	Palladium Recovery from Dilute Effluents using Biopolymer-Immobilized Extractant. *Separation Science and Technology*, **2006**, 41, 2533-2553	2.5	20

18	Environmental Application of Chitosan-Supported Catalysts: Catalytic Hollow Fibers for the Degradation of Phenolic Derivatives. *Separation Science and Technology*, **2005**, 40, 633-657	2.5	7
17	Palladium and platinum recovery from bicomponent mixtures using chitosan derivatives. *Hydrometallurgy*, **2005**, 76, 131-147	4	143
16	Metal anion sorption on chitosan and derivative materials: a strategy for polymer modification and optimum use. *Reactive and Functional Polymers*, **2004**, 60, 137-149	4.6	115
15	Chitosan-supported palladium catalyst. IV. Influence of temperature on nitrophenol degradation and thermodynamic parameters. *Journal of Environmental Management*, **2004**, 71, 15-23	7.9	23
14	Chitosan supported palladium catalyst. VI. Nitroaniline degradation. *Journal of Applied Polymer Science*, **2004**, 94, 1634-1642	2.9	25
13	Chitosan-supported palladium catalyst. 5. Nitrophenol degradation using palladium supported on hollow chitosan fibers. *Environmental Science & Technology*, **2004**, 38, 4233-40	10.3	44
12	Chitosan-Supported Palladium Catalyst. 3. Influence of Experimental Parameters on Nitrophenol Degradation. *Langmuir*, **2003**, 19, 8475-8483	4	131
11	Chitosan-Supported Palladium Catalyst. II. Chlorophenol Dehalogenation. *Industrial & Engineering Chemistry Research*, **2003**, 42, 5968-5976	3.9	39
10	Sulfur derivatives of chitosan for palladium sorption. *Reactive and Functional Polymers*, **2002**, 50, 149-163	4.6	146
9	Chitosan-Supported Palladium Catalyst. 1. Synthesis Procedure. *Industrial & Engineering Chemistry Research*, **2002**, 41, 5158-5164	3.9	72
8	Treatment of arsenic-containing solutions using chitosan derivatives: uptake mechanism and sorption performances. *Water Research*, **2002**, 36, 3699-710	12.5	116
7	Preparation of chitosan gel beads by ionotropic molybdate gelation. *Biomacromolecules*, **2001**, 2, 1198-205	6.9	86
6	Competitive sorption of platinum and palladium on chitosan derivatives. *International Journal of Biological Macromolecules*, **2001**, 28, 401-8	7.9	72
5	Cr(VI) Extraction Using Aliquat 336 in a Hollow Fiber Module Made of Chitosan. *Industrial & Engineering Chemistry Research*, **2001**, 40, 1406-1411	3.9	74
4	NON-DISPERSIVE LIQUID EXTRACTION OF Cr(VI) BY TBP/ALIQUAT 336 USING CHITOSAN-MADE HOLLOW FIBER. *Solvent Extraction and Ion Exchange*, **2000**, 18, 1241-1260	2.5	31
3	Chitosan Sorbents for Platinum Sorption from Dilute Solutions. *Industrial & Engineering Chemistry Research*, **1999**, 38, 4011-4022	3.9	122
2	Sorption and desorption of uranyl ions by silica gel: pH, particle size and porosity effects. *Microporous Materials*, **1996**, 5, 309-324		95
1	Application of Silica Gel to Metal Ion Sorption: Static and Dynamic Removal of Uranyl Ions. *Environmental Technology (United Kingdom)*, **1995**, 16, 101-114	2.6	43