

Andres Yves

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,668
citations

185998

28
h-index

174990

52
g-index

55
all docs

55
docs citations

55
times ranked

4256
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Several Metal Ions onto a Low-Cost Biosorbent: Kinetic and Equilibrium Studies. <i>Environmental Science & Technology</i> , 2002, 36, 2067-2073.	4.6	1,047
2	Phosphate removal from synthetic and real wastewater using steel slags produced in Europe. <i>Water Research</i> , 2012, 46, 2376-2384.	5.3	213
3	Ni(II) and Cu(II) binding properties of native and modified sugar beet pulp. <i>Carbohydrate Polymers</i> , 2002, 49, 23-31.	5.1	154
4	Selective Biosorption of Lanthanide (La, Eu, Yb) Ions by <i>Pseudomonas aeruginosa</i> . <i>Environmental Science & Technology</i> , 1999, 33, 489-495.	4.6	142
5	Potential of Aquatic Macrophytes as Bioindicators of Heavy Metal Pollution in Urban Stormwater Runoff. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 877-888.	1.1	117
6	Removal of metal ions from aqueous solution on low cost natural polysaccharides. <i>Reactive and Functional Polymers</i> , 2000, 46, 135-144.	2.0	113
7	Characterization of Lanthanide Ions Binding Sites in the Cell Wall of <i>Pseudomonas aeruginosa</i> . <i>Environmental Science & Technology</i> , 2000, 34, 610-615.	4.6	111
8	Silicone oil: An effective absorbent for the removal of hydrophobic volatile organic compounds. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 309-313.	1.6	111
9	Hybrid Materials for Catalysis? Design of New Phosphonate-Based Supported Catalysts for the Hydrogenation of Ketones under Hydrogen Pressure. <i>Chemistry of Materials</i> , 2001, 13, 2879-2884.	3.2	102
10	Biosorption of Cu(II) from aqueous solution by <i>Fucus serratus</i> : Surface characterization and sorption mechanisms. <i>Bioresource Technology</i> , 2008, 99, 6150-6155.	4.8	100
11	Cadmium and lead adsorption by a natural polysaccharide in MF membrane reactor: experimental analysis and modelling. <i>Water Research</i> , 2003, 37, 3983-3991.	5.3	93
12	Steel slag filters to upgrade phosphorus removal in small wastewater treatment plants: Removal mechanisms and performance. <i>Ecological Engineering</i> , 2014, 68, 214-222.	1.6	91
13	Adsorption of several actinide (Th, U) and lanthanide (La, Eu, Yb) ions by <i>Mycobacterium smegmatis</i> . <i>Applied Microbiology and Biotechnology</i> , 1993, 39, 413.	1.7	84
14	Sustainable Activated Carbons from Agricultural Residues Dedicated to Antibiotic Removal by Adsorption. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 524-529.	1.7	81
15	VOC absorption in a countercurrent packed-bed column using water/silicone oil mixtures: Influence of silicone oil volume fraction. <i>Chemical Engineering Journal</i> , 2011, 168, 241-248.	6.6	80
16	Bathroom Greywater Characterization and Potential Treatments for Reuse. <i>Water, Air, and Soil Pollution</i> , 2011, 215, 31-42.	1.1	71
17	Packing material formulation for odorous emission biofiltration. <i>Chemosphere</i> , 2008, 70, 958-966.	4.2	67
18	Effect of VS organic loads and buckwheat husk on methane production by anaerobic co-digestion of primary sludge and wheat straw. <i>Energy Conversion and Management</i> , 2016, 117, 538-547.	4.4	65

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19	Modeling of Single and Competitive Metal Adsorption onto a Natural Polysaccharide. <i>Environmental Science & Technology</i> , 2002, 36, 2242-2248.	4.6	61
20	Aerial Pollutants in Swine Buildings: A Review of Their Characterization and Methods to Reduce Them. <i>Environmental Science & Technology</i> , 2012, 46, 12287-12301.	4.6	53
21	Natural seaweed waste as sorbent for heavy metal removal from solution. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 755-762.	1.2	52
22	Determination of partition coefficients of three volatile organic compounds (dimethylsulphide,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62</i> 162, 927-934.	6.6	52
23	Use of coffee mucilage as a new substrate for hydrogen production in anaerobic co-digestion with swine manure. <i>Bioresource Technology</i> , 2014, 168, 112-118.	4.8	48
24	Novel Fe loaded activated carbons with tailored properties for As(V) removal: Adsorption study correlated with carbon surface chemistry. <i>Chemical Engineering Journal</i> , 2013, 215-216, 105-112.	6.6	46
25	Photocatalytic degradation of endocrine disruptor compounds under simulated solar light. <i>Water Research</i> , 2013, 47, 3997-4005.	5.3	44
26	Bacteria removal in septic effluent: Influence of biofilm and protozoa. <i>Water Research</i> , 2006, 40, 3109-3114.	5.3	35
27	Hydrophobic VOC absorption in two-phase partitioning bioreactors; influence of silicone oil volume fraction on absorber diameter. <i>Chemical Engineering Science</i> , 2012, 71, 146-152.	1.9	34
28	Microbial aerosol filtration: Growth and release of a bacteria-fungi consortium collected by fibrous filters in different operating conditions. <i>Journal of Aerosol Science</i> , 2014, 72, 32-46.	1.8	32
29	Determination of Radium-226 in Aqueous Solutions by α -Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 4218-4224.	3.2	28
30	Optimization of the volume fraction of the NAPL, silicone oil, and biodegradation kinetics of toluene and DMDS in a TPPB. <i>International Biodeterioration and Biodegradation</i> , 2012, 71, 9-14.	1.9	27
31	H ₂ S biofiltration using expanded schist as packing material: influence of packed bed configurations at constant EBRT. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 50-56.	1.6	27
32	Binding sites of sorbed uranyl ion in the cell wall of <i>Mycobacterium smegmatis</i> . <i>FEMS Microbiology Letters</i> , 1994, 115, 27-32.	0.7	26
33	Evaluation of innovative packing materials for the biodegradation of H ₂ S: a comparative study. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 429-434.	1.6	26
34	Mass transfer coefficients of styrene into water/silicone oil mixtures: New interpretation using the "equivalent absorption capacity" concept. <i>Chemical Engineering Journal</i> , 2014, 237, 236-241.	6.6	23
35	Interactions of Natural Aminated Polymers with Different Species of Arsenic at Low Concentrations: Application in Water Treatment. <i>Adsorption</i> , 2005, 11, 859-863.	1.4	22
36	Conversion of agricultural residues into activated carbons for water purification: Application to arsenate removal. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1173-1185.	0.9	21

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37	Modelling hydrodynamics of horizontal flow steel slag filters designed to upgrade phosphorus removal in small wastewater treatment plants. <i>Journal of Environmental Management</i> , 2018, 206, 349-356.	3.8	20
38	Filtration performances of HVAC filters for PM10 and microbial aerosols – Influence of management in a lab-scale air handling unit. <i>Aerosol Science and Technology</i> , 2016, 50, 555-567.	1.5	19
39	Biofiltration using peat and a nutritional synthetic packing material: influence of the packing configuration on H ₂ S removal. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1123-1129.	1.2	17
40	The Identification of Zachery-Treated Turquoise. <i>Gems & Gemology</i> , 1999, 35, 4-16.	0.4	14
41	Influence of operating conditions on direct nanofiltration of greywaters: Application to laundry water recycling aboard ships. <i>Resources, Conservation and Recycling</i> , 2012, 62, 64-70.	5.3	13
42	Biological treatment of a mixture of gaseous sulphur reduced compounds: identification of the total bacterial community's structure. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 817-823.	1.6	13
43	Effect of inoculum VS, organic loads and I/S on the biochemical methane potential of sludge, buckwheat husk and straw. , 0, 157, 69-78.		9
44	Efficiency of Biological Activator Formulated Material (BAFM) for volatile organic compounds removal – preliminary batch culture tests with activated sludge. <i>Environmental Technology (United Kingdom)</i> 23(10) 1407-1414.	0.7	10
45	Complexes of mycobactin from <i>Mycobacterium smegmatis</i> with scandium, yttrium and lanthanum. <i>Biology of Metals</i> , 1991, 4, 207-210.	1.1	7
46	Characterization techniques of packing material colonization in gas biofiltration processes This article is one of a selection of papers published in this Special Issue on Biological Air Treatment.. <i>Canadian Journal of Civil Engineering</i> , 2009, 36, 1895-1902.	0.7	7
47	Laundry greywater treatment using a fluidized bed reactor: a proposed model based on greywater biodegradation and residence time distribution approach. <i>Environmental Technology (United Kingdom)</i> 23(10) 1407-1414.	0.7	10
48	Anaerobic co-digestion of linen, sugar beet pulp, and wheat straw with cow manure: effects of mixing ratio and transient change of co-substrate. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 11831-11840.	2.9	7
49	Semi-continuous co-digestion of sludge, fallen leaves, and grass performance. <i>Energy</i> , 2021, 221, 119888.	4.5	6
50	Adenovirus behavior in air handling unit fiberglass filters. <i>Aerobiologia</i> , 2019, 35, 357-366.	0.7	5
51	Biological Treatment of Waste Gases Containing Volatile Organic Compounds. , 2005, , 281-302.		4
52	Evolution of Bacterial Community in Experimental Sand Filters: Physiological and Molecular Fingerprints. <i>Water, Air, and Soil Pollution</i> , 2008, 195, 233-241.	1.1	4
53	The Fate of Mengovirus on Fiberglass Filter of Air Handling Units. <i>Food and Environmental Virology</i> , 2017, 9, 464-472.	1.5	4
54	Removal of Rare Earth Elements and Precious Metal Species by Biosorption. , 2011, , 179-196.		3

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55	Two steps methanolysis and ethanolysis of olive pomace oil using olive-pomace-based heterogeneous acid catalyst. Fuel, 2021, 296, 120678.	3.4	2