

Luis H Alvarez

List of Publications by Year in descending order

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33
papers

803
citations

471509

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501196

28
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33
all docs

33
docs citations

33
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	Humus-reducing microorganisms and their valuable contribution in environmental processes. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 10293-10308.	3.6	96
2	Application of redox mediators in bioelectrochemical systems. <i>Biotechnology Advances</i> , 2018, 36, 1412-1423.	11.7	86
3	Immobilized redox mediator on metal-oxides nanoparticles and its catalytic effect in a reductive decolorization process. <i>Journal of Hazardous Materials</i> , 2010, 184, 268-272.	12.4	66
4	Reduction of quinone and non-quinone redox functional groups in different humic acid samples by <i>Geobacter sulfurreducens</i> . <i>Geoderma</i> , 2012, 183-184, 25-31.	5.1	60
5	Immobilized humic substances on an anion exchange resin and their role on the redox biotransformation of contaminants. <i>Bioresource Technology</i> , 2011, 102, 2097-2100.	9.6	49
6	Assessing the impact of alumina nanoparticles in an anaerobic consortium: methanogenic and humus reducing activity. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 1323-1331.	3.6	42
7	Efficient anaerobic treatment of synthetic textile wastewater in a UASB reactor with granular sludge enriched with humic acids supported on alumina nanoparticles. <i>Biodegradation</i> , 2015, 26, 289-298.	3.0	39
8	Mechanism of anaerobic bio-reduction of azo dye assisted with lawsone-immobilized activated carbon. <i>Journal of Hazardous Materials</i> , 2018, 347, 423-430.	12.4	38
9	Quinone-functionalized activated carbon improves the reduction of congo red coupled to the removal of p-cresol in a UASB reactor. <i>Journal of Hazardous Materials</i> , 2017, 338, 233-240.	12.4	32
10	Occurrence and quantitative microbial risk assessment of <i>Cryptosporidium</i> and <i>Giardia</i> in soil and air samples. <i>International Journal of Infectious Diseases</i> , 2014, 26, 123-127.	3.3	28
11	Enhanced Dechlorination of Carbon Tetrachloride by Immobilized Fulvic Acids on Alumina Particles. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1911-1920.	2.4	27
12	Evaluation of dissolved and immobilized redox mediators on dark fermentation: Driving to hydrogen or solventogenic pathway. <i>Bioresource Technology</i> , 2020, 317, 123981.	9.6	24
13	Improved methane production from anaerobic digestion of liquid and raw fractions of swine manure effluent using activated carbon. <i>Journal of Water Process Engineering</i> , 2020, 38, 101576.	5.6	24
14	Simultaneous biodegradation of phenol and carbon tetrachloride mediated by humic acids. <i>Biodegradation</i> , 2012, 23, 635-644.	3.0	21
15	(Bio)nanotechnologies to enhance environmental quality and energy production. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1354-1363.	3.2	20
16	Adsorption of an organochlorine pesticide using activated carbon produced from an agro-waste material. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1811-1816.	3.2	20
17	Quantitative microbial risk assessment of <i>Cryptosporidium</i> and <i>Giardia</i> in well water from a native community of Mexico. <i>International Journal of Environmental Health Research</i> , 2015, 25, 570-582.	2.7	18
18	Mathematical modelling for biohydrogen production by <i>Clostridium beijerinckii</i> . <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17602-17610.	7.1	18

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19	Decolorization and biogas production by an anaerobic consortium: effect of different azo dyes and quinoid redox mediators. <i>Water Science and Technology</i> , 2015, 72, 794-801.	2.5	17
20	Biotransformation of 4-nitrophenol by co-immobilized <i>Geobacter sulfurreducens</i> and anthraquinone-2-sulfonate in barium alginate beads. <i>Chemosphere</i> , 2019, 221, 219-225.	8.2	12
21	Methane production from antibiotic bearing swine wastewater using carbon-based materials as electrons' conduits during anaerobic digestion. <i>International Journal of Energy Research</i> , 2020, 44, 10996-11005.	4.5	12
22	Azo dye biotransformation mediated by AQS immobilized on activated carbon cloth in the presence of microbial inhibitors. <i>Environmental Pollution</i> , 2019, 252, 1163-1169.	7.5	11
23	Co-digestion of corn (nejayote) and brewery wastewater at different ratios and pH conditions for biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27422-27430.	7.1	9
24	Influence of redox mediators and salinity level on the (bio)transformation of Direct Blue 71: kinetics aspects. <i>Journal of Environmental Management</i> , 2016, 183, 84-89.	7.8	8
25	Biosynthesis and characterization of cadmium carbonate crystals by anaerobic granular sludge capable of precipitate cadmium. <i>Materials Chemistry and Physics</i> , 2020, 246, 122797.	4.0	6
26	Addition of electron shuttling compounds and different pH conditions for hydrogen production by a heat-treated sludge. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101507.	3.1	5
27	Perspectives of Quantitative Risk Assessment Studies for <i>Giardia</i> and <i>Cryptosporidium</i> in Water Samples. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	4
28	Improved Microbial and Chemical Reduction of Direct Blue 71 Using Anthraquinone-2,6-disulfonate Immobilized on Granular Activated Carbon. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	3
29	Capacity of Marine Microalga <i>Tetraselmis suecica</i> to Biodegrade Phenols in Aqueous Media. <i>Sustainability</i> , 2022, 14, 6674.	3.2	3
30	Biodegradation of <i>p</i> -cresol and sulfide removal by a marine denitrifying consortium. <i>Journal of Basic Microbiology</i> , 2015, 55, 180-185.	3.3	2
31	Sequential Congo Red Elimination by UASB Coupled to Electrochemical Systems. <i>Water (Switzerland)</i> , 2021, 13, 3087.	2.7	2
32	Quinone-reducing enrichment culture enhanced the direct and mediated biotransformation of azo dye with soluble and immobilized redox mediator. <i>Journal of Water Process Engineering</i> , 2021, 44, 102424.	5.6	1
33	Regeneration of titanate nanotubes by <i>Aspergillus niger</i> and <i>Penicillium</i> sp. under static conditions. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 986-995.	3.0	0