Luis H Alvarez

List of Publications by Year
in descending order

33 papers	803 citations	471509 17 h-index	501196 28 g-index
33 all docs	33 docs citations	33 times ranked	949 citing authors

#	Article	IF	Citations
1	Capacity of Marine Microalga Tetraselmis suecica to Biodegrade Phenols in Aqueous Media. Sustainability, 2022, 14, 6674.	3.2	3
2	Co-digestion of corn (nejayote) and brewery wastewater at different ratios and pH conditions for biohydrogen production. International Journal of Hydrogen Energy, 2021, 46, 27422-27430.	7.1	9
3	Sequential Congo Red Elimination by UASB Coupled to Electrochemical Systems. Water (Switzerland), 2021, 13, 3087.	2.7	2
4	Quinone-reducing enrichment culture enhanced the direct and mediated biotransformation of azo dye with soluble and immobilized redox mediator. Journal of Water Process Engineering, 2021, 44, 102424.	5.6	1
5	Evaluation of dissolved and immobilized redox mediators on dark fermentation: Driving to hydrogen or solventogenic pathway. Bioresource Technology, 2020, 317, 123981.	9.6	24
6	Improved methane production from anaerobic digestion of liquid and raw fractions of swine manure effluent using activated carbon. Journal of Water Process Engineering, 2020, 38, 101576.	5.6	24
7	Methane production from antibiotic bearing swine wastewater using carbonâ€based materials as electrons' conduits during anaerobic digestion. International Journal of Energy Research, 2020, 44, 10996-11005.	4.5	12
8	Biosynthesis and characterization of cadmium carbonate crystals by anaerobic granular sludge capable of precipitate cadmium. Materials Chemistry and Physics, 2020, 246, 122797.	4.0	6
9	Addition of electron shuttling compounds and different pH conditions for hydrogen production by a heat-treated sludge. Biocatalysis and Agricultural Biotechnology, 2020, 23, 101507.	3.1	5
10	Regeneration of titanate nanotubes by Aspergillus niger and Penicillium sp. under static conditions. Journal of Material Cycles and Waste Management, 2020, 22, 986-995.	3.0	0
11	Azo dye biotransformation mediated by AQS immobilized on activated carbon cloth in the presence of microbial inhibitors. Environmental Pollution, 2019, 252, 1163-1169.	7.5	11
12	Biotransformation of 4-nitrophenol by co-immobilized Geobacter sulfurreducens and anthraquinone-2-sulfonate in barium alginate beads. Chemosphere, 2019, 221, 219-225.	8.2	12
13	Mechanism of anaerobic bio-reduction of azo dye assisted with lawsone-immobilized activated carbon. Journal of Hazardous Materials, 2018, 347, 423-430.	12.4	38
14	Application of redox mediators in bioelectrochemical systems. Biotechnology Advances, 2018, 36, 1412-1423.	11.7	86
15	Mathematical modelling for biohydrogen production by Clostridium beijerinckii. International Journal of Hydrogen Energy, 2018, 43, 17602-17610.	7.1	18
16	Perspectives of Quantitative Risk Assessment Studies for Giardia and Cryptosporidium in Water Samples. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	4
17	Quinone-functionalized activated carbon improves the reduction of congo red coupled to the removal of p -cresol in a UASB reactor. Journal of Hazardous Materials, 2017, 338, 233-240.	12.4	32
18	Improved Microbial and Chemical Reduction of Direct Blue 71 Using Anthraquinone-2,6-disulfonate Immobilized on Granular Activated Carbon. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	3

#	Article	IF	Citations
19	Influence of redox mediators and salinity level on the (bio)transformation of Direct Blue 71: kinetics aspects. Journal of Environmental Management, 2016, 183, 84-89.	7.8	8
20	Decolorization and biogas production by an anaerobic consortium: effect of different azo dyes and quinoid redox mediators. Water Science and Technology, 2015, 72, 794-801.	2.5	17
21	Biodegradation of <i>p</i>â€cresol and sulfide removal by a marineâ€denitrifying consortium. Journal of Basic Microbiology, 2015, 55, 180-185.	3.3	2
22	Efficient anaerobic treatment of synthetic textile wastewater in a UASB reactor with granular sludge enriched with humic acids supported on alumina nanoparticles. Biodegradation, 2015, 26, 289-298.	3.0	39
23	Quantitative microbial risk assessment of <i>Cryptosporidium</i> and <i>Giardia</i> in well water from a native community of Mexico. International Journal of Environmental Health Research, 2015, 25, 570-582.	2.7	18
24	Adsorption of an organochlorine pesticide using activated carbon produced from an agro-waste material. Journal of Chemical Technology and Biotechnology, 2014, 89, 1811-1816.	3.2	20
25	Occurrence and quantitative microbial risk assessment of Cryptosporidium and Giardia in soil and air samples. International Journal of Infectious Diseases, 2014, 26, 123-127.	3.3	28
26	Humus-reducing microorganisms and their valuable contribution in environmental processes. Applied Microbiology and Biotechnology, 2013, 97, 10293-10308.	3.6	96
27	Simultaneous biodegradation of phenol and carbon tetrachloride mediated by humic acids. Biodegradation, 2012, 23, 635-644.	3.0	21
28	Reduction of quinone and non-quinone redox functional groups in different humic acid samples by Geobacter sulfurreducens. Geoderma, 2012, 183-184, 25-31.	5.1	60
29	Assessing the impact of alumina nanoparticles in an anaerobic consortium: methanogenic and humus reducing activity. Applied Microbiology and Biotechnology, 2012, 95, 1323-1331.	3.6	42
30	Enhanced Dechlorination of Carbon Tetrachloride by Immobilized Fulvic Acids on Alumina Particles. Water, Air, and Soil Pollution, 2012, 223, 1911-1920.	2.4	27
31	(Bio)nanotechnologies to enhance environmental quality and energy production. Journal of Chemical Technology and Biotechnology, 2011, 86, 1354-1363.	3.2	20
32	Immobilized humic substances on an anion exchange resin and their role on the redox biotransformation of contaminants. Bioresource Technology, 2011, 102, 2097-2100.	9.6	49
33	Immobilized redox mediator on metal-oxides nanoparticles and its catalytic effect in a reductive decolorization process. Journal of Hazardous Materials, 2010, 184, 268-272.	12.4	66