

JosÃ© Villaseñor Camacho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/413940/publications.pdf>

Version: 2024-02-01

102
papers

3,314
citations

136885

32
h-index

168321

53
g-index

103
all docs

103
docs citations

103
times ranked

3424
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of petroleum hydrocarbons concentration on competition between oil-degrading bacteria and indigenous compost microorganisms in petroleum sludge bioremediation. <i>Environmental Technology and Innovation</i> , 2022, 26, 102319.	3.0	20
2	Modelling the cathodic reduction of 2,4-dichlorophenol in a microbial fuel cell. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 771-782.	1.7	1
3	Biostimulation versus bioaugmentation for the electro-bioremediation of 2,4-dichlorophenoxyacetic acid polluted soils. <i>Journal of Environmental Management</i> , 2021, 277, 111424.	3.8	11
4	Bio-electrocatalytic dechlorination of 2,4-dichlorophenol. Effect of pH and operational configuration. <i>Electrochimica Acta</i> , 2021, 367, 137456.	2.6	6
5	Electrobioremediation of Polluted Soils. <i>Environmental Pollution</i> , 2021, , 297-313.	0.4	1
6	Acid mine drainage treatment and sequential metal recovery by means of bioelectrochemical technology. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1543-1552.	1.6	11
7	Modelling of a bioelectrochemical system for metal-polluted wastewater treatment and sequential metal recovery. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2033-2041.	1.6	3
8	Selection of anodic material for the combined electrochemical-biological treatment of lindane polluted soil washing effluents. <i>Journal of Hazardous Materials</i> , 2020, 384, 121237.	6.5	11
9	Removal of oxyfluorfen from polluted effluents by combined bio-electro processes. <i>Chemosphere</i> , 2020, 240, 124912.	4.2	10
10	Biodegradation of heavy oily sludge by a two-step inoculation composting process using synergistic effect of indigenous isolated bacteria. <i>Process Biochemistry</i> , 2020, 91, 223-230.	1.8	26
11	Effect of competition between petroleum-degrading bacteria and indigenous compost microorganisms on the efficiency of petroleum sludge bioremediation: Field application of mineral-based culture in the composting process. <i>Journal of Environmental Management</i> , 2020, 258, 110013.	3.8	46
12	Scaling up the electrokinetic-assisted phytoremediation of atrazine-polluted soils using reversal of electrode polarity: A mesocosm study. <i>Journal of Environmental Management</i> , 2020, 255, 109806.	3.8	14
13	Biodegradability improvement and toxicity reduction of soil washing effluents polluted with atrazine by means of electrochemical pre-treatment: Influence of the anode material. <i>Journal of Environmental Management</i> , 2020, 255, 109895.	3.8	17
14	Towards the optimization of electro-bioremediation of soil polluted with 2,4-dichlorophenoxyacetic acid. <i>Environmental Technology and Innovation</i> , 2020, 20, 101156.	3.0	3
15	Electrocatalytic dechlorination of 2,4-dichlorophenol in bioelectrochemical systems. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114731.	1.9	8
16	Bioremediation of petroleum hydrocarbons by vermicomposting process bioaugmented with indigenous bacterial consortium isolated from petroleum oily sludge. <i>Ecotoxicology and Environmental Safety</i> , 2020, 198, 110645.	2.9	24
17	Effective scale-up of oily sludge bioremediation from a culture-based medium to a two-phase composting system using an isolated hydrocarbon-degrading bacterium: effect of two-step bioaugmentation. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1475-1483.	1.6	8
18	Electro-irradiated technologies for clopyralid removal from soil washing effluents. <i>Separation and Purification Technology</i> , 2019, 227, 115728.	3.9	14

#	ARTICLE	IF	CITATIONS
19	Dehalogenation of 2,4-Dichlorophenoxyacetic acid by means of bioelectrochemical systems. Journal of Electroanalytical Chemistry, 2019, 854, 113564.	1.9	10
20	Electrobioremediation of Oxyfluorfen-Polluted Soil by Means of a Fixed-Bed Permeable Biological Barrier. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	9
21	Fixed-bed biological barrier coupled with electrokinetics for the <i>in situ</i> electrobioremediation of 2,4-dichlorophenoxyacetic acid polluted soil. Journal of Chemical Technology and Biotechnology, 2019, 94, 2684-2692.	1.6	13
22	Strategies for the electrobioremediation of oxyfluorfen polluted soils. Electrochimica Acta, 2019, 297, 137-144.	2.6	21
23	Improvement of the electro-bioremediation process of a non-polar herbicide-polluted soil by means of surfactant addition. Science of the Total Environment, 2019, 650, 1961-1968.	3.9	11
24	Can electro-bioremediation of polluted soils perform as a self-sustainable process?. Journal of Applied Electrochemistry, 2018, 48, 579-588.	1.5	14
25	Thermally-treated algal suspensions as fuel for microbial fuel cells. Journal of Electroanalytical Chemistry, 2018, 814, 77-82.	1.9	6
26	Improving biodegradability of soil washing effluents using anodic oxidation. Bioresource Technology, 2018, 252, 1-6.	4.8	32
27	Performance of waste-based amendments to reduce metal release from mine tailings: One-year leaching behaviour. Journal of Environmental Management, 2018, 209, 1-8.	3.8	24
28	Algal biomass as fuel for stacked-MFCs for profitable, sustainable and carbon neutral bioenergy generation. Journal of Chemical Technology and Biotechnology, 2018, 93, 287-293.	1.6	9
29	Electro-bioremediation at the prototype scale: What it should be learned for the scale-up. Chemical Engineering Journal, 2018, 334, 2030-2038.	6.6	33
30	Biological treatment of wastewater polluted with an oxyfluorfen-based commercial herbicide. Chemosphere, 2018, 213, 244-251.	4.2	20
31	Influence of hydraulic retention time and carbon loading rate on the production of algae. Journal of Biotechnology, 2018, 282, 70-79.	1.9	6
32	Analysis of a photobioreactor scaling up for tertiary wastewater treatment: denitrification, phosphorus removal, and microalgae production. Environmental Science and Pollution Research, 2018, 25, 29279-29286.	2.7	13
33	Effect of the polarity reversal frequency in the electrokinetic-biological remediation of oxyfluorfen polluted soil. Chemosphere, 2017, 177, 120-127.	4.2	53
34	Dye removal of AR27 with enhanced degradation and power generation in a microbial fuel cell using bioanode of treated clinoptilolite-modified graphite felt. Environmental Science and Pollution Research, 2017, 24, 19444-19457.	2.7	12
35	Modelling aerobic biodegradation of atrazine and 2,4-dichlorophenoxy acetic acid by mixed-cultures. Bioresource Technology, 2017, 243, 1044-1050.	4.8	57
36	The salinity effects on the performance of a constructed wetland-microbial fuel cell. Ecological Engineering, 2017, 107, 1-7.	1.6	31

#	ARTICLE	IF	CITATIONS
37	Remediation of PCE contaminated clay soil by coupling electrokinetics with zero-valent iron permeable reactive barrier. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	23
38	Electrokinetic remediation of soil polluted with insoluble organics using biological permeable reactive barriers: Effect of periodic polarity reversal and voltage gradient. <i>Chemical Engineering Journal</i> , 2016, 299, 30-36.	6.6	107
39	Prescale-Up of Electro-Bioremediation Processes. , 2016, , .		2
40	EDTA and hydrochloric acid effects on mercury accumulation by <i>Lupinus albus</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 24739-24748.	2.7	11
41	Electrokinetic Remediation of Soils Polluted with Pesticides: Flushing and Fence Technologies. , 2016, , .		1
42	Kinetic modelling of a diesel-polluted clayey soil bioremediation process. <i>Science of the Total Environment</i> , 2016, 557-558, 276-284.	3.9	19
43	Influence of electric field on the remediation of polluted soil using a biobarrier assisted electro-bioremediation process. <i>Electrochimica Acta</i> , 2016, 190, 294-304.	2.6	36
44	Effect of electric field on the performance of soil electro-bioremediation with a periodic polarity reversal strategy. <i>Chemosphere</i> , 2016, 146, 300-307.	4.2	47
45	Feasibility Of Coupling Permeable Bio-Barriers And Electrokinetics For The Treatment Of Diesel Hydrocarbons Polluted Soils. <i>Electrochimica Acta</i> , 2015, 181, 192-199.	2.6	41
46	Combination of bioremediation and electrokinetics for the in-situ treatment of diesel polluted soil: A comparison of strategies. <i>Science of the Total Environment</i> , 2015, 533, 307-316.	3.9	60
47	Removal of nitrates from spiked clay soils by coupling electrokinetic and permeable reactive barrier technologies. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1719-1726.	1.6	19
48	Biological permeable reactive barriers coupled with electrokinetic soil flushing for the treatment of diesel-polluted clay soil. <i>Journal of Hazardous Materials</i> , 2015, 283, 131-139.	6.5	74
49	Effect of a direct electric current on the activity of a hydrocarbon-degrading microorganism culture used as the flushing liquid in soil remediation processes. <i>Separation and Purification Technology</i> , 2014, 124, 217-223.	3.9	38
50	Predicting the effects of biochar on volatile petroleum hydrocarbon biodegradation and emanation from soil: A bacterial community finger-print analysis inferred modelling approach. <i>Soil Biology and Biochemistry</i> , 2014, 68, 20-30.	4.2	33
51	Feasibility of electrokinetic oxygen supply for soil bioremediation purposes. <i>Chemosphere</i> , 2014, 117, 382-387.	4.2	29
52	Removal of 2,4,6-Trichlorophenol from Spiked Clay Soils by Electrokinetic Soil Flushing Assisted with Granular Activated Carbon Permeable Reactive Barrier. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 840-846.	1.8	36
53	ENERGY PRODUCTION FROM WASTEWATER USING HORIZONTAL AND VERTICAL SUBSURFACE FLOW CONSTRUCTED WETLANDS. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 2517-2523.	0.2	14
54	Operation of a horizontal subsurface flow constructed wetland " Microbial fuel cell treating wastewater under different organic loading rates. <i>Water Research</i> , 2013, 47, 6731-6738.	5.3	224

#	ARTICLE	IF	CITATIONS
55	Influence of the cleaning additives on the methane production from brewery effluents. <i>Chemical Engineering Journal</i> , 2013, 215-216, 685-690.	6.6	9
56	Electrokinetic transport of diesel-degrading microorganisms through soils of different textures using electric fields. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 274-279.	0.9	21
57	Kinetics of biodegradation of diesel fuel by enriched microbial consortia from polluted soils. <i>International Journal of Environmental Science and Technology</i> , 2012, 9, 749-758.	1.8	34
58	Domestic sewage sludge composting in a rotary drum reactor: Optimizing the thermophilic stage. <i>Journal of Environmental Management</i> , 2012, 112, 284-291.	3.8	106
59	Feasibility of Different Bioremediation Strategies for Treatment of Clayey and Silty Soils Recently Polluted with Diesel Hydrocarbons. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2473-2482.	1.1	30
60	Kinetic model and study of the influence of pH, temperature and undissociated acids on acidogenic fermentation. <i>Biochemical Engineering Journal</i> , 2012, 66, 66-72.	1.8	45
61	Thermogravimetric-mass spectrometric analysis of lignocellulosic and marine biomass pyrolysis. <i>Bioresource Technology</i> , 2012, 109, 163-172.	4.8	332
62	Respiration indices and stability measurements of compost through electrolytic respirometry. <i>Journal of Environmental Management</i> , 2012, 95, S134-S138.	3.8	26
63	Kinetics of forced aerated biodegradation of digested sewage sludge-reed mixtures at different temperatures. <i>Journal of Environmental Management</i> , 2012, 95, S128-S133.	3.8	2
64	Simulation of carbon degradation in a rotary drum pilot scale composting process. <i>Journal of Environmental Management</i> , 2012, 108, 1-7.	3.8	7
65	Kinetics of domestic wastewater COD removal by subsurface flow constructed wetlands using different plant species in temperate period. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 693-707.	1.8	14
66	Feasibility of mixed enzymatic complexes to enhanced soil bioremediation processes. <i>Procedia Environmental Sciences</i> , 2011, 9, 54-59.	1.3	14
67	Influence of pH, temperature and volatile fatty acids on hydrogen production by acidogenic fermentation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15595-15601.	3.8	96
68	Kinetic and stoichiometric modelling of acidogenic fermentation of glucose and fructose. <i>Biomass and Bioenergy</i> , 2011, 35, 3877-3883.	2.9	43
69	Agro-food wastewaters as external carbon source to enhance biological phosphorus removal. <i>Chemical Engineering Journal</i> , 2011, 166, 559-567.	6.6	26
70	Monitoring respiration and biological stability during sludge composting with a modified dynamic respirometer. <i>Bioresource Technology</i> , 2011, 102, 6562-6568.	4.8	25
71	Composting domestic sewage sludge with natural zeolites in a rotary drum reactor. <i>Bioresource Technology</i> , 2011, 102, 1447-1454.	4.8	123
72	Hydraulic modelling of horizontal-subsurface flow constructed wetlands: Influence of operation time and plant species. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 786-800.	1.8	2

#	ARTICLE	IF	CITATIONS
73	Influence of soil texture on the electrokinetic transport of diesel-degrading microorganisms. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 914-919.	0.9	22
74	Electro-osmotic fluxes in multi-well electro-remediation processes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1549-1557.	0.9	28
75	Modeling and monitoring of the acclimatization of conventional activated sludge to a biohydrogen producing culture by biokinetic control. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10927-10933.	3.8	36
76	Feasibility of composting combinations of sewage sludge, olive mill waste and winery waste in a rotary drum reactor. <i>Waste Management</i> , 2010, 30, 1948-1956.	3.7	49
77	Influence of polyphenols on low-loaded synthetic winery wastewater constructed wetland treatment with different plant species A paper submitted to the <i>Journal of Environmental Engineering and Science</i> . <i>Canadian Journal of Civil Engineering</i> , 2009, 36, 690-700.	0.7	8
78	Feasibility of anaerobic co-digestion as a treatment option of meat industry wastes. <i>Bioresource Technology</i> , 2009, 100, 1903-1909.	4.8	80
79	Enhancing the co-composting of olive mill wastes and sewage sludge by the addition of an industrial waste. <i>Bioresource Technology</i> , 2008, 99, 6346-6353.	4.8	39
80	Biodegradability of meat industry wastes under anaerobic and aerobic conditions. <i>Water Research</i> , 2008, 42, 3767-3774.	5.3	39
81	Evaluation of carbon degradation during co-composting of exhausted grape marc with different biowastes. <i>Chemosphere</i> , 2008, 73, 670-677.	4.2	37
82	Design of horizontal and vertical subsurface flow constructed wetlands treating industrial wastewater. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	9
83	Squeezing wastes in a wastewater treatment plant. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	0
84	Effect of the start-up length on the biological nutrient removal process. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	1
85	Volatile fatty acids production from winery wastewaters by acidogenic fermentation. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	2
86	Fermentation of agro-food wastewaters by activated sludge. <i>Water Research</i> , 2007, 41, 1635-1644.	5.3	32
87	A Comparative Study of Five Horizontal Subsurface Flow Constructed Wetlands using Different Plant Species for Domestic Wastewater Treatment. <i>Environmental Technology (United Kingdom)</i> , 2007, 28, 1333-1343.	1.2	37
88	Effect of the Internal Recycles on the Phosphorus Removal Efficiency of a WWTP. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 7300-7307.	1.8	9
89	Influence of industrial discharges on the performance and population of a biological nutrient removal process. <i>Biochemical Engineering Journal</i> , 2007, 34, 51-61.	1.8	33
90	Subsurface-flow constructed wetlands in Spain for the sanitation of small communities: A comparative study. <i>Ecological Engineering</i> , 2007, 30, 312-319.	1.6	129

#	ARTICLE	IF	CITATIONS
91	Anaerobic codigestion of biowastes generated in Castilla-La Mancha (Spain): batch studies. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	3
92	Biodegradation kinetics of stored wastewater substrates by a mixed microbial culture. Biochemical Engineering Journal, 2005, 26, 191-197.	1.8	24
93	Denitrification potential of industrial wastewaters. Water Research, 2005, 39, 3715-3726.	5.3	68
94	Operational Optimisation of Pilot Scale Biological Nutrient Removal at the Ciudad Real (Spain) Domestic Wastewater Treatment Plant. Water, Air, and Soil Pollution, 2004, 152, 279-296.	1.1	41
95	Performance evaluation and simulation of a new absorbent for an absorption refrigeration system. International Journal of Refrigeration, 2004, 27, 324-330.	1.8	44
96	Advanced oxidation processes for destruction of cyanide from thermoelectric power station waste waters. Journal of Chemical Technology and Biotechnology, 2004, 79, 117-125.	1.6	42
97	Short-Term Effects of Wastewater Biodegradability on Biological Phosphorus Removal. Journal of Environmental Engineering, ASCE, 2001, 127, 259-265.	0.7	9
98	Respirometric determination of the readily biodegradable cod produced in the anaerobic stage of a biological phosphorus removal process. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 49-64.	0.9	11
99	Determination of Biodegradation Kinetics of Bacterial Storage Organic Substrates Through Electrolytic Respirometry. Environmental Technology (United Kingdom), 2000, 21, 1111-1118.	1.2	2
100	Anaerobic Uptake of Different Organic Substrates by an Enhanced Biological Phosphorus Removal Sludge. Environmental Technology (United Kingdom), 2000, 21, 397-405.	1.2	9
101	Effect of the Current Intensity in the Electrochemical Oxidation of Aqueous Phenol Wastes at an Activated Carbon and Steel Anode. Industrial & Engineering Chemistry Research, 1999, 38, 3779-3785.	1.8	86
102	Effect of Wastewater Composition on the Development of an Activated Sludge Biological Phosphorus Removal System. Environmental Technology (United Kingdom), 1999, 20, 159-169.	1.2	7