

JosÃ© Antonio SÃ¡nchez PÃ©rez

List of Publications by Year in descending order

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178
papers

11,250
citations

31902

53
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38300

95
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182
all docs

182
docs citations

182
times ranked

9375
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination of Advanced Oxidation Processes and biological treatments for wastewater decontaminationâ€”A review. <i>Science of the Total Environment</i> , 2011, 409, 4141-4166.	3.9	1,946
2	Prediction of dissolved oxygen and carbon dioxide concentration profiles in tubular photobioreactors for microalgal culture. , 1999, 62, 71-86.		262
3	Solar disinfection is an augmentable, in situ -generated photo-Fenton reactionâ€”Part 1: A review of the mechanisms and the fundamental aspects of the process. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 199-223.	10.8	253
4	Airlift-driven external-loop tubular photobioreactors for outdoor production of microalgae: assessment of design and performance. <i>Chemical Engineering Science</i> , 2001, 56, 2721-2732.	1.9	247
5	Wastewater Treatment by Advanced Oxidation Process and Their Worldwide Research Trends. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 170.	1.2	244
6	Shear rate in stirred tank and bubble column bioreactors. <i>Chemical Engineering Journal</i> , 2006, 124, 1-5.	6.6	221
7	A mathematical model of microalgal growth in light-limited chemostat culture. <i>Journal of Chemical Technology and Biotechnology</i> , 1994, 61, 167-173.	1.6	220
8	A model for light distribution and average solar irradiance inside outdoor tubular photobioreactors for the microalgal mass culture. , 1997, 55, 701-714.		202
9	Modeling of biomass productivity in tubular photobioreactors for microalgal cultures: Effects of dilution rate, tube diameter, and solar irradiance. , 1998, 58, 605-616.		188
10	Production of lovastatin by <i>Aspergillus terreus</i> : effects of the C:N ratio and the principal nutrients on growth and metabolite production. <i>Enzyme and Microbial Technology</i> , 2003, 33, 270-277.	1.6	171
11	Solar photocatalytic degradation of some hazardous water-soluble pesticides at pilot-plant scale. <i>Journal of Hazardous Materials</i> , 2006, 138, 507-517.	6.5	170
12	Best available technologies and treatment trains to address current challenges in urban wastewater reuse for irrigation of crops in EU countries. <i>Science of the Total Environment</i> , 2020, 710, 136312.	3.9	167
13	A study on simultaneous photolimitation and photoinhibition in dense microalgal cultures taking into account incident and averaged irradiances. <i>Journal of Biotechnology</i> , 1996, 45, 59-69.	1.9	164
14	Biomass nutrient profiles of the microalga <i>Porphyridium cruentum</i> . <i>Food Chemistry</i> , 2000, 70, 345-353.	4.2	164
15	Solar disinfection is an augmentable, in situ-generated photo-Fenton reactionâ€”Part 2: A review of the applications for drinking water and wastewater disinfection. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 431-446.	10.8	160
16	Pellet morphology, culture rheology and lovastatin production in cultures of <i>Aspergillus terreus</i> . <i>Journal of Biotechnology</i> , 2005, 116, 61-77.	1.9	147
17	Solar photocatalytic degradation and detoxification of EU priority substances. <i>Catalysis Today</i> , 2005, 101, 203-210.	2.2	135
18	Comparison between extraction of lipids and fatty acids from microalgal biomass. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1994, 71, 955-959.	0.8	134

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19	Degradation of a four-pesticide mixture by combined photo-Fenton and biological oxidation. <i>Water Research</i> , 2009, 43, 653-660.	5.3	133
20	Removal of pharmaceuticals from MWTP effluent by nanofiltration and solar photo-Fenton using two different iron complexes at neutral pH. <i>Water Research</i> , 2014, 64, 23-31.	5.3	131
21	Solar photo-Fenton treatment of pesticides in water: Effect of iron concentration on degradation and assessment of ecotoxicity and biodegradability. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 448-454.	10.8	107
22	Detoxification of wastewater containing five common pesticides by solar AOPsâ€“biological coupled system. <i>Catalysis Today</i> , 2007, 129, 69-78.	2.2	101
23	Fast determination of pesticides and other contaminants of emerging concern in treated wastewater using direct injection coupled to highly sensitive ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1507, 84-94.	1.8	100
24	Evaluation of photosynthetic efficiency in microalgal cultures using averaged irradiance. <i>Enzyme and Microbial Technology</i> , 1997, 21, 375-381.	1.6	99
25	Environmental impacts of an advanced oxidation process as tertiary treatment in a wastewater treatment plant. <i>Science of the Total Environment</i> , 2019, 694, 133572.	3.9	91
26	Effects of pellet morphology on broth rheology in fermentations of <i>Aspergillus terreus</i> . <i>Biochemical Engineering Journal</i> , 2005, 26, 139-144.	1.8	90
27	Evaluation of operational parameters involved in solar photo-Fenton degradation of a commercial pesticide mixture. <i>Catalysis Today</i> , 2009, 144, 94-99.	2.2	90
28	Concentration and purification of stearidonic, eicosapentaenoic, and docosahexaenoic acids from cod liver oil and the marine microalga <i>Isochrysis galbana</i> . <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1995, 72, 575-583.	0.8	85
29	Economic evaluation of a combined photo-Fenton/MBR process using pesticides as model pollutant. Factors affecting costs. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 195-203.	6.5	85
30	Pharmaceuticals removal from natural water by nanofiltration combined with advanced tertiary treatments (solar photo-Fenton, photo-Fenton-like Fe(III)â€“EDDS complex and ozonation). <i>Separation and Purification Technology</i> , 2014, 122, 515-522.	3.9	84
31	Outdoor continuous culture of <i>Porphyridium cruentum</i> in a tubular photobioreactor: quantitative analysis of the daily cyclic variation of culture parameters. <i>Journal of Biotechnology</i> , 1999, 70, 271-288.	1.9	83
32	Combination of nanofiltration and ozonation for the remediation of real municipal wastewater effluents: Acute and chronic toxicity assessment. <i>Journal of Hazardous Materials</i> , 2017, 323, 442-451.	6.5	79
33	Decontamination of industrial wastewater containing pesticides by combining large-scale homogeneous solar photocatalysis and biological treatment. <i>Chemical Engineering Journal</i> , 2010, 160, 447-456.	6.6	77
34	Assessment of solar raceway pond reactors for removal of contaminants of emerging concern by photo-Fenton at circumneutral pH from very different municipal wastewater effluents. <i>Chemical Engineering Journal</i> , 2019, 366, 141-149.	6.6	77
35	Supported TiO ₂ solar photocatalysis at semi-pilot scale: degradation of pesticides found in citrus processing industry wastewater, reactivity and influence of photogenerated species. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 149-157.	1.6	75
36	Strategies for reducing cost by using solar photo-Fenton treatment combined with nanofiltration to remove microcontaminants in real municipal effluents: Toxicity and economic assessment. <i>Chemical Engineering Journal</i> , 2017, 318, 161-170.	6.6	75

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37	n-3 PUFA productivity in chemostat cultures of microalgae. <i>Applied Microbiology and Biotechnology</i> , 1993, 38, 599.	1.7	74
38	Degradation of alachlor and pyrimethanil by combined photo-Fenton and biological oxidation. <i>Journal of Hazardous Materials</i> , 2008, 155, 342-349.	6.5	73
39	New approach to solar photo-Fenton operation. Raceway ponds as tertiary treatment technology. <i>Journal of Hazardous Materials</i> , 2014, 279, 322-329.	6.5	71
40	Effect of solar photo-Fenton process in raceway pond reactors at neutral pH on antibiotic resistance determinants in secondary treated urban wastewater. <i>Journal of Hazardous Materials</i> , 2019, 378, 120737.	6.5	71
41	Determination of pesticide levels in wastewater from an agro-food industry: Target, suspect and transformation product analysis.. <i>Chemosphere</i> , 2019, 232, 152-163.	4.2	70
42	Effect of growth rate on the eicosapentaenoic acid and docosahexaenoic acid content of <i>Isochrysis galbana</i> in chemostat culture. <i>Applied Microbiology and Biotechnology</i> , 1994, 41, 23-27.	1.7	67
43	A combined solar photocatalytic-biological field system for the mineralization of an industrial pollutant at pilot scale. <i>Catalysis Today</i> , 2007, 122, 150-159.	2.2	67
44	TiO ₂ photocatalysis under natural solar radiation for the degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions at pilot plant scale. <i>Water Research</i> , 2019, 166, 115037.	5.3	67
45	EPA from <i>Isochrysis galbana</i> . Growth conditions and productivity. <i>Process Biochemistry</i> , 1992, 27, 299-305.	1.8	65
46	Long-term preservation of <i>Tetraselmis suecica</i> : influence of storage on viability and fatty acid profile. <i>Aquaculture</i> , 1995, 134, 81-90.	1.7	65
47	Evaluation of operating parameters involved in solar photo-Fenton treatment of wastewater: Interdependence of initial pollutant concentration, temperature and iron concentration. <i>Applied Catalysis B: Environmental</i> , 2010, 97, 292-298.	10.8	65
48	Economic evaluation of the photo-Fenton process. Mineralization level and reaction time: The keys for increasing plant efficiency. <i>Journal of Hazardous Materials</i> , 2011, 186, 1924-1929.	6.5	64
49	Performance of different advanced oxidation processes for tertiary wastewater treatment to remove the pesticide acetamiprid. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 72-81.	1.6	64
50	Water disinfection using photo-Fenton: Effect of temperature on <i>Enterococcus faecalis</i> survival. <i>Water Research</i> , 2012, 46, 6154-6162.	5.3	63
51	Application of high intensity UVC-LED for the removal of acetamiprid with the photo-Fenton process. <i>Chemical Engineering Journal</i> , 2015, 264, 690-696.	6.6	62
52	Combined nanofiltration and photo-Fenton treatment of water containing micropollutants. <i>Chemical Engineering Journal</i> , 2013, 224, 89-95.	6.6	61
53	Scale-up strategy for a combined solar photo-Fenton/biological system for remediation of pesticide-contaminated water. <i>Catalysis Today</i> , 2010, 151, 100-106.	2.2	57
54	Inactivation of natural enteric bacteria in real municipal wastewater by solar photo-Fenton at neutral pH. <i>Water Research</i> , 2014, 63, 316-324.	5.3	57

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55	Modeling of eicosapentaenoic acid (EPA) production from <i>Phaeodactylum tricornutum</i> cultures in tubular photobioreactors. Effects of dilution rate, tube diameter, and solar irradiance. , 2000, 68, 173-183.		56
56	Modelling of the operation of raceway pond reactors for micropollutant removal by solar photo-Fenton as a function of photon absorption. <i>Applied Catalysis B: Environmental</i> , 2015, 178, 210-217.	10.8	56
57	Degradation and monitoring of acetamiprid, thiabendazole and their transformation products in an agro-food industry effluent during solar photo-Fenton treatment in a raceway pond reactor. <i>Chemosphere</i> , 2015, 130, 73-81.	4.2	55
58	Mechanistic modeling of solar photo-Fenton process with Fe ³⁺ -EDDS at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 234-242.	10.8	55
59	Dissolved oxygen concentration: A key parameter in monitoring the photo-Fenton process. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 316-323.	10.8	53
60	Effect of residence time on micropollutant removal in WWTP secondary effluents by continuous solar photo-Fenton process in raceway pond reactors. <i>Chemical Engineering Journal</i> , 2017, 316, 1114-1121.	6.6	52
61	Isolation of clones of <i>Isochrysis galbana</i> rich in eicosapentaenoic acid. <i>Aquaculture</i> , 1992, 102, 363-371.	1.7	50
62	Effect of pesticide concentration on the degradation process by combined solar photo-Fenton and biological treatment. <i>Water Research</i> , 2009, 43, 3838-3848.	5.3	50
63	Fate of thiabendazole through the treatment of a simulated agro-food industrial effluent by combined MBR/Fenton processes at 1/4g/L scale. <i>Water Research</i> , 2014, 51, 55-63.	5.3	50
64	Productivity analysis of outdoor chemostat culture in tubular air-lift photobioreactors. <i>Journal of Applied Phycology</i> , 1996, 8, 369-380.	1.5	49
65	Effects of ultrasound on culture of <i>Aspergillus terreus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 593-600.	1.6	49
66	Solar photo-Fenton for water disinfection: An investigation of the competitive role of model organic matter for oxidative species. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 484-489.	10.8	49
67	Microcontaminant removal in secondary effluents by solar photo-Fenton at circumneutral pH in raceway pond reactors. <i>Catalysis Today</i> , 2017, 287, 10-14.	2.2	49
68	New trend on open solar photoreactors to treat micropollutants by photo-Fenton at circumneutral pH: Increasing optical pathway. <i>Chemical Engineering Journal</i> , 2020, 385, 123982.	6.6	49
69	Outdoor culture of <i>Isochrysis galbana</i> ALII-4 in a closed tubular photobioreactor. <i>Journal of Biotechnology</i> , 1994, 37, 159-166.	1.9	48
70	Removal of pharmaceuticals at microg L ⁻¹ by combined nanofiltration and mild solar photo-Fenton. <i>Chemical Engineering Journal</i> , 2014, 239, 68-74.	6.6	47
71	Modelling the photo-Fenton oxidation of the pharmaceutical paracetamol in water including the effect of photon absorption (VRPA). <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 295-301.	10.8	47
72	Fermentation optimization for the production of lovastatin by <i>Aspergillus terreus</i> : use of response surface methodology. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1119-1126.	1.6	46

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73	Principal parameters affecting virus inactivation by the solar photo-Fenton process at neutral pH and 1/4M concentrations of H ₂ O ₂ and Fe ²⁺ /3 ⁺ . <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 395-402.	10.8	45
74	Preservation of the marine microalga, <i>Isochrysis galbana</i> : influence on the fatty acid profile. <i>Aquaculture</i> , 1994, 123, 377-385.	1.7	44
75	Fe ³⁺ -NTA as iron source for solar photo-Fenton at neutral pH in raceway pond reactors. <i>Science of the Total Environment</i> , 2020, 736, 139617.	3.9	44
76	Identification and monitoring of thiabendazole transformation products in water during Fenton degradation by LC-QTOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5323-5337.	1.9	43
77	Effect of volumetric rate of photon absorption on the kinetics of micropollutant removal by solar photo-Fenton with Fe ³⁺ -EDDS at neutral pH. <i>Chemical Engineering Journal</i> , 2018, 331, 84-92.	6.6	43
78	A comparative study of different tests for biodegradability enhancement determination during AOP treatment of recalcitrant toxic aqueous solutions. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 1189-1195.	2.9	42
79	Biomass and icosapentaenoic acid productivities from an outdoor batch culture of <i>Phaeodactylum tricornutum</i> UTEX 640 in an airlift tubular photobioreactor. <i>Applied Microbiology and Biotechnology</i> , 1995, 42, 658-663.	1.7	41
80	Microcontaminant removal by solar photo-Fenton at natural pH run with sequential and continuous iron additions. <i>Chemical Engineering Journal</i> , 2014, 235, 132-140.	6.6	41
81	Combined photo-Fenton and biological oxidation for pesticide degradation: Effect of photo-treated intermediates on biodegradation kinetics. <i>Chemosphere</i> , 2008, 70, 1476-1483.	4.2	40
82	Iron dosage as a strategy to operate the photo-Fenton process at initial neutral pH. <i>Chemical Engineering Journal</i> , 2013, 224, 67-74.	6.6	40
83	Is the combination of nanofiltration membranes and AOPs for removing microcontaminants cost effective in real municipal wastewater effluents?. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 511-520.	1.2	40
84	Ecotoxicity evaluation of a WWTP effluent treated by solar photo-Fenton at neutral pH in a raceway pond reactor. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1093-1104.	2.7	40
85	Neutral or acidic pH for the removal of contaminants of emerging concern in wastewater by solar photo-Fenton? A techno-economic assessment of continuous raceway pond reactors. <i>Science of the Total Environment</i> , 2020, 736, 139681.	3.9	40
86	Inactivation of <i>Enterococcus faecalis</i> in simulated wastewater treatment plant effluent by solar photo-Fenton at initial neutral pH. <i>Catalysis Today</i> , 2013, 209, 195-200.	2.2	39
87	Photochemical degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions under solar radiation. <i>Water Research</i> , 2018, 128, 61-70.	5.3	39
88	Photolimitation and photoinhibition as factors determining optimal dilution rate to produce eicosapentaenoic acid from cultures of the microalga <i>Isochrysis galbana</i> . <i>Applied Microbiology and Biotechnology</i> , 1998, 50, 199-205.	1.7	38
89	Simultaneous Determination of Oxygen Consumption Rate and Volumetric Oxygen Transfer Coefficient in Pneumatically Agitated Bioreactors. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 1167-1171.	1.8	38
90	Pre-industrial-scale Combined Solar Photo-Fenton and Immobilized Biomass Activated-Sludge Biotreatment. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 7467-7475.	1.8	38

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91	Cost analysis of different hydrogen peroxide supply strategies in the solar photo-Fenton process. <i>Chemical Engineering Journal</i> , 2013, 224, 75-81.	6.6	38
92	Phenomenological study and application of the combined influence of iron concentration and irradiance on the photo-Fenton process to remove micropollutants. <i>Science of the Total Environment</i> , 2014, 478, 123-132.	3.9	38
93	Wastewater disinfection by neutral pH photo-Fenton: The role of solar radiation intensity. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 1-6.	10.8	38
94	Effect of temperature and photon absorption on the kinetics of micropollutant removal by solar photo-Fenton in raceway pond reactors. <i>Chemical Engineering Journal</i> , 2017, 310, 464-472.	6.6	38
95	Gas-liquid transfer of atmospheric CO ₂ in microalgal cultures. <i>Journal of Chemical Technology and Biotechnology</i> , 1993, 56, 329-337.	1.6	36
96	Identification of opioids in surface and wastewaters by LC/QTOF-MS using retrospective data analysis. <i>Science of the Total Environment</i> , 2019, 664, 874-884.	3.9	36
97	Continuous flow disinfection of WWTP secondary effluents by solar photo-Fenton at neutral pH in raceway pond reactors at pilot plant scale. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 115-123.	10.8	36
98	Wild bacteria inactivation in WWTP secondary effluents by solar photo-fenton at neutral pH in raceway pond reactors. <i>Catalysis Today</i> , 2018, 313, 72-78.	2.2	34
99	Modelling photo-Fenton process for organic matter mineralization, hydrogen peroxide consumption and dissolved oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2012, 119-120, 132-138.	10.8	33
100	Removal of contaminants of emerging concern by continuous flow solar photo-Fenton process at neutral pH in open reactors. <i>Journal of Environmental Management</i> , 2020, 261, 110265.	3.8	33
101	<i>Aspergillus terreus</i> Broth Rheology, Oxygen Transfer, and Lovastatin Production in a Gas-Agitated Slurry Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4837-4843.	1.8	32
102	Fatty acid variation among different isolates of a single strain of <i>Isochrysis galbana</i> . <i>Phytochemistry</i> , 1992, 31, 3901-3904.	1.4	31
103	Rapid screening of <i>Aspergillus terreus</i> mutants for overproduction of lovastatin. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 123-125.	1.7	30
104	Removal of microcontaminants from MWTP effluents by combination of membrane technologies and solar photo-Fenton at neutral pH. <i>Catalysis Today</i> , 2015, 252, 78-83.	2.2	30
105	Pyrimethanil degradation by photo-Fenton process: Influence of iron and irradiance level on treatment cost. <i>Science of the Total Environment</i> , 2017, 605-606, 230-237.	3.9	30
106	Effect of environmental regulation on the profitability of sustainable water use in the agro-food industry. <i>Desalination</i> , 2011, 279, 252-257.	4.0	28
107	Kinetic assessment of antibiotic resistant bacteria inactivation by solar photo-Fenton in batch and continuous flow mode for wastewater reuse. <i>Water Research</i> , 2019, 159, 184-191.	5.3	28
108	Unfolding the action mode of light and homogeneous vs. heterogeneous photo-Fenton in bacteria disinfection and concurrent elimination of micropollutants in urban wastewater, mediated by iron oxides in Raceway Pond Reactors. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118158.	10.8	28

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109	Effect of dilution rate on eicosapentaenoic acid productivity of <i>Phaeodactylum tricornutum</i> utex 640 in outdoor chemostat culture. <i>Biotechnology Letters</i> , 1994, 16, 1035-1040.	1.1	27
110	Synthetic fresh-cut wastewater disinfection and decontamination by ozonation at pilot scale. <i>Water Research</i> , 2020, 170, 115304.	5.3	27
111	Two strategies of solar photo-Fenton at neutral pH for the simultaneous disinfection and removal of contaminants of emerging concern. Comparative assessment in raceway pond reactors. <i>Catalysis Today</i> , 2021, 361, 17-23.	2.2	27
112	Lovastatin inhibits its own synthesis in <i>Aspergillus terreus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 48-50.	1.4	26
113	Photocatalytic treatment of dimethoate by solar photocatalysis at pilot plant scale. <i>Environmental Chemistry Letters</i> , 2005, 3, 118-121.	8.3	25
114	Enhanced production of lovastatin in a bubble column by <i>Aspergillus terreus</i> using a two-stage feeding strategy. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 58-64.	1.6	25
115	Comparison of different detoxification pilot plants for the treatment of industrial wastewater by solar photo-Fenton: Are raceway pond reactors a feasible option?. <i>Science of the Total Environment</i> , 2019, 648, 601-608.	3.9	25
116	A kinetics study on the biodegradation of synthetic wastewater simulating effluent from an advanced oxidation process using <i>Pseudomonas putida</i> CECT 324. <i>Journal of Hazardous Materials</i> , 2008, 151, 780-788.	6.5	24
117	Automatic dosage of hydrogen peroxide in solar photo-Fenton plants: Development of a control strategy for efficiency enhancement. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 223-230.	6.5	24
118	Effects of environmental variables on the photo-Fenton plant design. <i>Chemical Engineering Journal</i> , 2014, 237, 469-477.	6.6	24
119	Application of solar photo-Fenton at circumneutral pH to nanofiltration concentrates for removal of pharmaceuticals in WWTP effluents. <i>Environmental Science and Pollution Research</i> , 2015, 22, 846-855.	2.7	24
120	On the design and operation of solar photo-Fenton open reactors for the removal of contaminants of emerging concern from WWTP effluents at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117801.	10.8	24
121	Contribution of temperature and photon absorption on solar photo-Fenton mediated by Fe ³⁺ -NTA for CEC removal in municipal wastewater. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120251.	10.8	24
122	Application of solar photo-Fenton in raceway pond reactors: A review. <i>Science of the Total Environment</i> , 2021, 800, 149653.	3.9	24
123	QUANTITATIVE GENETICS OF FATTY ACID VARIATION IN <i>ISOCHRYSIS GALBANA</i> (PRYMNESIOPHYCEAE) AND <i>PHAEODACTYLUM TRICORNUTUM</i> (BACILLARIOPHYCEAE)1. <i>Journal of Phycology</i> , 1994, 30, 553-558.	1.0	23
124	Biochemical productivity and fatty acid profiles of <i>Isochrysis galbana</i> Parke and <i>Tetraselmis</i> sp. as a function of incident light intensity. <i>Process Biochemistry</i> , 1994, 29, 119-126.	1.8	23
125	Does micropollutant removal by solar photo-Fenton reduce ecotoxicity in municipal wastewater? A comprehensive study at pilot scale open reactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2114-2122.	1.6	23
126	Effective solar processes in fresh-cut wastewater disinfection: Inactivation of pathogenic <i>E. coli</i> O157:H7 and <i>Salmonella enteritidis</i> . <i>Catalysis Today</i> , 2018, 313, 79-85.	2.2	23

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127	Mechanistic modelling of wastewater disinfection by the photo-Fenton process at circumneutral pH. <i>Chemical Engineering Journal</i> , 2021, 403, 126335.	6.6	23
128	Effects of the sporulation conditions on the lovastatin production by <i>Aspergillus terreus</i> . <i>Bioprocess and Biosystems Engineering</i> , 2006, 29, 1-5.	1.7	22
129	Low cost UVA-LED as a radiation source for the photo-Fenton process: a new approach for micropollutant removal from urban wastewater. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 72-78.	1.6	22
130	Lovastatin production by <i>Aspergillus terreus</i> in a two-staged feeding operation. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1236-1243.	1.6	21
131	Commercial fertilizer as effective iron chelate (Fe ³⁺ -EDDHA) for wastewater disinfection under natural sunlight for reusing in irrigation. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 286-292.	10.8	20
132	Integration of Solar Photocatalysis and Membrane Bioreactor for Pesticides Degradation. <i>Separation Science and Technology</i> , 2010, 45, 1571-1578.	1.3	19
133	Growth yield determination in a chemostat culture of the marine microalga <i>Isochrysis galbana</i> . <i>Journal of Applied Phycology</i> , 1996, 8, 529-534.	1.5	18
134	Gas-liquid Mass Transfer in Sonicated Bubble Columns. Effect of Reactor Diameter and Liquid Height. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2769-2774.	1.8	18
135	Fresh-cut wastewater reclamation: Techno-Economical assessment of solar driven processes at pilot plant scale. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119334.	10.8	18
136	Fate of micropollutants during sewage sludge disintegration by low-frequency ultrasound. <i>Chemical Engineering Journal</i> , 2015, 280, 575-587.	6.6	17
137	Application of liquid chromatography quadrupole time-of-flight mass spectrometry to the identification of acetamiprid transformation products generated under oxidative processes in different water matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2549-2558.	1.9	16
138	Removal of pharmaceuticals in hospital wastewater by solar photo-Fenton with Fe ³⁺ -EDDS using a pilot raceway pond reactor: Transformation products and in silico toxicity assessment. <i>Microchemical Journal</i> , 2021, 164, 106014.	2.3	16
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