

Jos Antonio Snchez Prez

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9,084
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181
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10,013
ext. citations

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L-index

#	Paper	IF	Citations
176	Combination of Advanced Oxidation Processes and biological treatments for wastewater decontamination--a review. <i>Science of the Total Environment</i> , 2011 , 409, 4141-66	10.2	1629
175	Prediction of dissolved oxygen and carbon dioxide concentration profiles in tubular photobioreactors for microalgal culture. <i>Biotechnology and Bioengineering</i> , 1999 , 62, 71-86	4.9	228
174	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	4.4	218
173	Shear rate in stirred tank and bubble column bioreactors. <i>Chemical Engineering Journal</i> , 2006 , 124, 1-5	14.7	196
172	Solar disinfection is an augmentable, in situ -generated photo-Fenton reactionPart 1: A review of the mechanisms and the fundamental aspects of the process. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 199-223	21.8	191
171	A mathematical model of microalgal growth in light-limited chemostat culture. <i>Journal of Chemical Technology and Biotechnology</i> , 1994 , 61, 167-173	3.5	182
170	A model for light distribution and average solar irradiance inside outdoor tubular photobioreactors for the microalgal mass culture. <i>Biotechnology and Bioengineering</i> , 1997 , 55, 701-14	4.9	170
169	Modeling of biomass productivity in tubular photobioreactors for microalgal cultures: effects of dilution rate, tube diameter, and solar irradiance. <i>Biotechnology and Bioengineering</i> , 1998 , 58, 605-16	4.9	158
168	Solar photocatalytic degradation of some hazardous water-soluble pesticides at pilot-plant scale. <i>Journal of Hazardous Materials</i> , 2006 , 138, 507-17	12.8	157
167	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	3.7	148
166	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	3.8	147
165	Biomass nutrient profiles of the microalga <i>Porphyridium cruentum</i> . <i>Food Chemistry</i> , 2000 , 70, 345-353	8.5	135
164	Pellet morphology, culture rheology and lovastatin production in cultures of <i>Aspergillus terreus</i> . <i>Journal of Biotechnology</i> , 2005 , 116, 61-77	3.7	129
163	Solar disinfection is an augmentable, in situ-generated photo-Fenton reactionPart 2: A review of the applications for drinking water and wastewater disinfection. <i>Applied Catalysis B: Environmental</i> , 2016 , 198, 431-446	21.8	126
162	Solar photocatalytic degradation and detoxification of EU priority substances. <i>Catalysis Today</i> , 2005 , 101, 203-210	5.3	123
161	Degradation of a four-pesticide mixture by combined photo-Fenton and biological oxidation. <i>Water Research</i> , 2009 , 43, 653-60	12.5	117
160	Wastewater Treatment by Advanced Oxidation Process and Their Worldwide Research Trends. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 17,	4.6	111

159	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	1.8	110
158	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	12.5	109
157	Detoxification of wastewater containing five common pesticides by solar AOPsBiological coupled system. <i>Catalysis Today</i> , 2007 , 129, 69-78	5.3	91
156	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	21.8	90
155	Evaluation of photosynthetic efficiency in microalgal cultures using averaged irradiance. <i>Enzyme and Microbial Technology</i> , 1997 , 21, 375-381	3.8	90
154	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	10.2	86
153	Evaluation of operational parameters involved in solar photo-Fenton degradation of a commercial pesticide mixture. <i>Catalysis Today</i> , 2009 , 144, 94-99	5.3	83
152	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	3.7	78
151	Effects of pellet morphology on broth rheology in fermentations of <i>Aspergillus terreus</i> . <i>Biochemical Engineering Journal</i> , 2005 , 26, 139-144	4.2	77
150	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	4.5	75
149	Concentration and purification of stearidonic, eicosapentaenoic, and docosahexaenoic acids from cod liver oil and the marine microalgae <i>Isochrysis galbana</i> . <i>JAOCs, Journal of the American Oil Chemists Society</i> , 1995 , 72, 575-583	1.8	74
148	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	12.8	73
147	Pharmaceuticals removal from natural water by nanofiltration combined with advanced tertiary treatments (solar photo-Fenton, photo-Fenton-like Fe(III)EDDS complex and ozonation). <i>Separation and Purification Technology</i> , 2014 , 122, 515-522	8.3	71
146	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	14.7	66
145	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	14.7	65
144	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	5.3	63
143	Degradation of alachlor and pyrimethanil by combined photo-Fenton and biological oxidation. <i>Journal of Hazardous Materials</i> , 2008 , 155, 342-9	12.8	63
142	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	12.8	61

141	n-3 PUFA productivity in chemostat cultures of microalgae. <i>Applied Microbiology and Biotechnology</i> , 1993 , 38, 599	5.7	61
140	EPA from <i>Isochrysis galbana</i> . Growth conditions and productivity. <i>Process Biochemistry</i> , 1992 , 27, 299-305	4.8	58
139	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	3.5	57
138	Combined nanofiltration and photo-Fenton treatment of water containing micropollutants. <i>Chemical Engineering Journal</i> , 2013 , 224, 89-95	14.7	57
137	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, 1924-9	12.8	57
136	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	21.8	55
135	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	5.7	55
134	Inactivation of natural enteric bacteria in real municipal wastewater by solar photo-Fenton at neutral pH. <i>Water Research</i> , 2014 , 63, 316-24	12.5	53
133	Water disinfection using photo-Fenton: Effect of temperature on <i>Enterococcus faecalis</i> survival. <i>Water Research</i> , 2012 , 46, 6154-62	12.5	53
132	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	14.7	52
131	New approach to solar photo-Fenton operation. Raceway ponds as tertiary treatment technology. <i>Journal of Hazardous Materials</i> , 2014 , 279, 322-9	12.8	52
130	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	5.3	51
129	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	12.8	49
128	Long-term preservation of <i>Tetraselmis suecica</i> : influence of storage on viability and fatty acid profile. <i>Aquaculture</i> , 1995 , 134, 81-90	4.4	49
127	Application of high intensity UVC-LED for the removal of acetamidrid with the photo-Fenton process. <i>Chemical Engineering Journal</i> , 2015 , 264, 690-696	14.7	48
126	Performance of different advanced oxidation processes for tertiary wastewater treatment to remove the pesticide acetamidrid. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 72-81	3.5	48
125	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	10.2	48
124	Modeling of eicosapentaenoic acid (EPA) production from <i>Phaeodactylum tricorutum</i> cultures in tubular photobioreactors. Effects of dilution rate, tube diameter, and solar irradiance. <i>Biotechnology and Bioengineering</i> , 2000 , 68, 173-83	4.9	48

123	Productivity analysis of outdoor chemostat culture in tubular air-lift photobioreactors. <i>Journal of Applied Phycology</i> , 1996 , 8, 369-380	3.2	46
122	Isolation of clones of <i>Isochrysis galbana</i> rich in eicosapentaenoic acid. <i>Aquaculture</i> , 1992 , 102, 363-371	4.4	46
121	Dissolved oxygen concentration: A key parameter in monitoring the photo-Fenton process. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 316-323	21.8	45
120	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	21.8	44
119	Effect of pesticide concentration on the degradation process by combined solar photo-Fenton and biological treatment. <i>Water Research</i> , 2009 , 43, 3838-48	12.5	44
118	Outdoor culture of <i>Isochrysis galbana</i> ALII-4 in a closed tubular photobioreactor. <i>Journal of Biotechnology</i> , 1994 , 37, 159-166	3.7	44
117	Determination of pesticide levels in wastewater from an agro-food industry: Target, suspect and transformation product analysis. <i>Chemosphere</i> , 2019 , 232, 152-163	8.4	43
116	Effects of ultrasound on culture of <i>Aspergillus terreus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 593-600	3.5	43
115	Fate of thiabendazole through the treatment of a simulated agro-food industrial effluent by combined MBR/Fenton processes at μ /L scale. <i>Water Research</i> , 2014 , 51, 55-63	12.5	42
114	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	21.8	42
113	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	3.5	41
112	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	14.7	40
111	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	8.4	40
110	Mechanistic modeling of solar photo-Fenton process with Fe ³⁺ -EDDS at neutral pH. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 234-242	21.8	40
109	Removal of pharmaceuticals at microg L ⁻¹ by combined nanofiltration and mild solar photo-Fenton. <i>Chemical Engineering Journal</i> , 2014 , 239, 68-74	14.7	40
108	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	21.8	38
107	Microcontaminant removal in secondary effluents by solar photo-Fenton at circumneutral pH in raceway pond reactors. <i>Catalysis Today</i> , 2017 , 287, 10-14	5.3	37
106	Combined photo-Fenton and biological oxidation for pesticide degradation: effect of photo-treated intermediates on biodegradation kinetics. <i>Chemosphere</i> , 2008 , 70, 1476-83	8.4	37

105	Preservation of the marine microalga, <i>Isochrysis galbana</i> : influence on the fatty acid profile. <i>Aquaculture</i> , 1994 , 123, 377-385	4.4	37
104	TiO 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	12.5	36
103	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	5.3	36
102	Iron dosage as a strategy to operate the photo-Fenton process at initial neutral pH. <i>Chemical Engineering Journal</i> , 2013 , 224, 67-74	14.7	36
101	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, 1189-95	7	35
100	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	4.2	34
99	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	5.7	34
98	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	3.9	34
97	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	5.1	33
96	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	14.7	33
95	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	14.7	33
94	Cost analysis of different hydrogen peroxide supply strategies in the solar photo-Fenton process. <i>Chemical Engineering Journal</i> , 2013 , 224, 75-81	14.7	33
93	Principal parameters affecting virus inactivation by the solar photo-Fenton process at neutral pH and M concentrations of H ₂ O ₂ and Fe ^{2+/3+} . <i>Applied Catalysis B: Environmental</i> , 2015 , 174-175, 395-402	21.8	33
92	Gas-liquid transfer of atmospheric CO ₂ in microalgal cultures. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 56, 329-337	3.5	33
91	Wastewater disinfection by neutral pH photo-Fenton: The role of solar radiation intensity. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 1-6	21.8	32
90	Pre-industrial-scale Combined Solar Photo-Fenton and Immobilized Biomass Activated-Sludge Biotreatment. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 7467-7475	3.9	32
89	<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	3.9	32
88	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	5.7	31

87	Photochemical degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions under solar radiation. <i>Water Research</i> , 2018 , 128, 61-70	12.5	30
86	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, 123-32	10.2	30
85	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	21.8	30
84	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	14.7	30
83	Identification and monitoring of thiabendazole transformation products in water during Fenton degradation by LC-QTOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 5323-37	4.4	29
82	Fatty acid variation among different isolates of a single strain of <i>Isochrysis galbana</i> . <i>Phytochemistry</i> , 1992 , 31, 3901-3904	4	29
81	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	5.3	28
80	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	14.7	27
79	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	10.2	27
78	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	21.8	27
77	Lovastatin inhibits its own synthesis in <i>Aspergillus terreus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004 , 31, 48-50	4.2	26
76	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	12.5	24
75	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	7.9	24
74	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	5.3	23
73	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	3.5	23
72	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, 780-8	12.8	23
71	Photocatalytic treatment of dimethoate by solar photocatalysis at pilot plant scale. <i>Environmental Chemistry Letters</i> , 2005 , 3, 118-121	13.3	23
70	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	3	23

69	Fe-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	10.2	23
68	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	3.5	22
67	Synthetic fresh-cut wastewater disinfection and decontamination by ozonation at pilot scale. <i>Water Research</i> , 2020 , 170, 115304	12.5	22
66	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	10.2	21
65	Effects of environmental variables on the photo-Fenton plant design. <i>Chemical Engineering Journal</i> , 2014 , 237, 469-477	14.7	21
64	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	4.8	21
63	Application of solar photo-Fenton at circumneutral pH to nanofiltration concentrates for removal of pharmaceuticals in MWTP effluents. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 846-55	5.1	20
62	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	5.3	20
61	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, 223-30	12.8	20
60	QUANTITATIVE GENETICS OF FATTY ACID VARIATION IN ISOCHRYSIS GALBANA (PRYMNESIOPHYCEAE) AND PHAEODACTYLUM TRICORNUTUM (BACILLARIOPHYCEAE)1. <i>Journal of Phycology</i> , 1994 , 30, 553-558	3	20
59	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	10.2	19
58	Effect of environmental regulation on the profitability of sustainable water use in the agro-food industry. <i>Desalination</i> , 2011 , 279, 252-257	10.3	19
57	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	3.5	19
56	Effects of the sporulation conditions on the lovastatin production by <i>Aspergillus terreus</i> . <i>Bioprocess and Biosystems Engineering</i> , 2006 , 29, 1-5	3.7	19
55	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	21.8	19
54	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	5.3	19
53	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	21.8	18
52	Rapid screening of <i>Aspergillus terreus</i> mutants for overproduction of lovastatin. <i>World Journal of Microbiology and Biotechnology</i> , 2005 , 21, 123-125	4.4	18

51	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	4.2	17
50	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	3.9	17
49	Integration of Solar Photocatalysis and Membrane Bioreactor for Pesticides Degradation. <i>Separation Science and Technology</i> , 2010 , 45, 1571-1578	2.5	17
48	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	21.8	16
47	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	3.2	16
46	Variation of fatty acid profile with solar cycle in outdoor chemostat culture of <i>Isochrysis galbana</i> ALII-4. <i>Journal of Applied Phycology</i> , 1995 , 7, 129-134	3.2	15
45	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	10.2	14
44	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, 2549-58	4.4	13
43	Mechanistic modelling of wastewater disinfection by the photo-Fenton process at circumneutral pH. <i>Chemical Engineering Journal</i> , 2021 , 403, 126335	14.7	13
42	Fate of micropollutants during sewage sludge disintegration by low-frequency ultrasound. <i>Chemical Engineering Journal</i> , 2015 , 280, 575-587	14.7	12
41	Confirming <i>Pseudomonas putida</i> as a reliable bioassay for demonstrating biocompatibility enhancement by solar photo-oxidative processes of a biorecalcitrant effluent. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1223-7	12.8	12
40	Influence of ultrasound amplitude and duty cycle on fungal morphology and broth rheology of <i>Aspergillus terreus</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2010 , 26, 1409-1418	4.4	11
39	Cuantificaci3n de 3cidos grasos a partir de biomasa microalgal. <i>Grasas Y Aceites</i> , 1993 , 44, 348-353	1.3	11
38	Fresh-cut wastewater reclamation: Techno-Economical assessment of solar driven processes at pilot plant scale. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119334	21.8	10
37	An analysis of the bacterial community in a membrane bioreactor fed with photo-Fenton pre-treated toxic water. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 1171-8	4.2	9
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