

# Jos Antonio Snchez Prez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176  
papers

9,084  
citations

49  
h-index

88  
g-index

181  
ext. papers

10,013  
ext. citations

8.7  
avg, IF

6.41  
L-index

#	Paper	IF	Citations
176	A new solar photo-Fenton strategy for wastewater reclamation based on simultaneous supply of HO and NaOCl.. <i>Science of the Total Environment</i> , <b>2022</b> , 155273	10.2	
175	Simultaneous Disinfection and Organic Microcontaminant Removal by UVC-LED-Driven Advanced Oxidation Processes. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1507	3	1
174	Removal of pharmaceuticals in hospital wastewater by solar photo-Fenton with Fe <sup>3+</sup> -EDDS using a pilot raceway pond reactor: Transformation products and in silico toxicity assessment. <i>Microchemical Journal</i> , <b>2021</b> , 164, 106014	4.8	9
173	Mechanistic modelling of wastewater disinfection by the photo-Fenton process at circumneutral pH. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126335	14.7	13
172	Treatment of laundry wastewater by solar photo-Fenton process at pilot plant scale. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 8576-8584	5.1	4
171	Perspectives of the solar photo-Fenton process against the spreading of pathogens, antibiotic-resistant bacteria and genes in the environment. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2021</b> , 27, 100416	7.9	6
170	Computational fluid dynamics (CFD) modeling of removal of contaminants of emerging concern in solar photo-Fenton raceway pond reactors. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127392	14.7	5
169	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> , <b>2021</b> , 361, 17-23	5.3	19
168	Assessment of different iron sources for continuous flow solar photo-Fenton at neutral pH for sulfamethoxazole removal in actual MWWTP effluents. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 42, 102109	6.7	3
167	Worldwide Research Trends on Solar-Driven Water Disinfection. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
166	Solar processes and ozonation for fresh-cut wastewater reclamation and reuse: Assessment of chemical, microbiological and chlorosis risks of raw-eaten crops. <i>Water Research</i> , <b>2021</b> , 203, 117532	12.5	3
165	Contribution of temperature and photon absorption on solar photo-Fenton mediated by Fe <sup>3+</sup> -NTA for CEC removal in municipal wastewater. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 294, 120251	21.8	5
164	Simultaneous bacterial inactivation and microcontaminant removal by solar photo-Fenton mediated by Fe-NTA in WWTP secondary effluents. <i>Water Research</i> , <b>2021</b> , 205, 117686	12.5	5
163	Application of solar photo-Fenton in raceway pond reactors: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 800, 149653	10.2	4
162	Enhanced activated persulfate oxidation of ciprofloxacin using a low-grade titanium ore under sunlight: influence of the irradiation source on its transformation products. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 24008-24022	5.1	1
161	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> , <b>2020</b> , 736, 139681	10.2	19
160	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> , <b>2020</b> , 261, 110265	7.9	24

159	Modeling persulfate activation by iron and heat for the removal of contaminants of emerging concern using carbamazepine as model pollutant. <i>Chemical Engineering Journal</i> , <b>2020</b> , 389, 124445	14.7	6
158	Determination of dextromethorphan and dextrorphan solar photo-transformation products by LC/Q-TOF-MS: Laboratory scale experiments and real water samples analysis. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114722	9.3	5
157	Fe-NTA as iron source for solar photo-Fenton at neutral pH in raceway pond reactors. <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139617	10.2	23
156	Synthetic fresh-cut wastewater disinfection and decontamination by ozonation at pilot scale. <i>Water Research</i> , <b>2020</b> , 170, 115304	12.5	22
155	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> , <b>2020</b> , 710, 136312	10.2	86
154	New trend on open solar photoreactors to treat micropollutants by photo-Fenton at circumneutral pH: Increasing optical pathway. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123982	14.7	30
153	Fresh-cut wastewater reclamation: Techno-Economical assessment of solar driven processes at pilot plant scale. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 278, 119334	21.8	10
152	Micropollutant degradation by the heterogeneous solar photo-Fenton process at circumneutral PH using copper slag. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 38, 101562	6.7	6
151	Removal and Degradation of Pharmaceutically Active Compounds (PhACs) in Wastewaters by Solar Advanced Oxidation Processes. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 299-326	0.8	
150	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> , <b>2020</b> , 263, 118158	21.8	19
149	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> , <b>2019</b> , 166, 115037	12.5	36
148	Determination of pesticide levels in wastewater from an agro-food industry: Target, suspect and transformation product analysis. <i>Chemosphere</i> , <b>2019</b> , 232, 152-163	8.4	43
147	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> , <b>2019</b> , 378, 120737	12.8	49
146	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> , <b>2019</b> , 256, 117801	21.8	18
145	Kinetic assessment of antibiotic resistant bacteria inactivation by solar photo-Fenton in batch and continuous flow mode for wastewater reuse. <i>Water Research</i> , <b>2019</b> , 159, 184-191	12.5	24
144	Commercial fertilizer as effective iron chelate (Fe <sup>3+</sup> -EDDHA) for wastewater disinfection under natural sunlight for reusing in irrigation. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 253, 286-292	21.8	16
143	Identification of opioids in surface and wastewaters by LC/QTOF-MS using retrospective data analysis. <i>Science of the Total Environment</i> , <b>2019</b> , 664, 874-884	10.2	21
142	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> , <b>2019</b> , 366, 141-149	14.7	52

141	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> , <b>2019</b> , 648, 601-608	10.2	14
140	Environmental impacts of an advanced oxidation process as tertiary treatment in a wastewater treatment plant. <i>Science of the Total Environment</i> , <b>2019</b> , 694, 133572	10.2	48
139	Effect of liquid depth on microcontaminant removal by solar photo-Fenton with Fe(III):EDDS at neutral pH in high salinity wastewater. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 28071-28079	5.7	4
138	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> , <b>2019</b> , 247, 115-123	21.8	27
137	Wastewater Treatment by Advanced Oxidation Process and Their Worldwide Research Trends. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 17,	4.6	111
136	Mechanistic modeling of solar photo-Fenton process with Fe <sup>3+</sup> -EDDS at neutral pH. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 233, 234-242	21.8	40
135	Photochemical degradation of the carbapenem antibiotics imipenem and meropenem in aqueous solutions under solar radiation. <i>Water Research</i> , <b>2018</b> , 128, 61-70	12.5	30
134	Effective solar processes in fresh-cut wastewater disinfection: Inactivation of pathogenic E. coli O157:H7 and Salmonella enteritidis. <i>Catalysis Today</i> , <b>2018</b> , 313, 79-85	5.3	20
133	Effect of volumetric rate of photon absorption on the kinetics of micropollutant removal by solar photo-Fenton with Fe <sup>3+</sup> -EDDS at neutral pH. <i>Chemical Engineering Journal</i> , <b>2018</b> , 331, 84-92	14.7	33
132	Analysis of Environmental Taxes to Finance Wastewater Treatment in Spain: An Opportunity for Regeneration?. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 226	3	6
131	Wild bacteria inactivation in WWTP secondary effluents by solar photo-fenton at neutral pH in raceway pond reactors. <i>Catalysis Today</i> , <b>2018</b> , 313, 72-78	5.3	28
130	Combination of nanofiltration and ozonation for the remediation of real municipal wastewater effluents: Acute and chronic toxicity assessment. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 442-451	12.8	61
129	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> , <b>2017</b> , 24, 1093-1104	5.1	33
128	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> , <b>2017</b> , 318, 161-170	14.7	66
127	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> , <b>2017</b> , 310, 464-472	14.7	27
126	Microcontaminant removal in secondary effluents by solar photo-Fenton at circumneutral pH in raceway pond reactors. <i>Catalysis Today</i> , <b>2017</b> , 287, 10-14	5.3	37
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> , <b>2017</b> , 92, 2114-2122	3.5	22
124	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> , <b>2017</b> , 316, 1114-1121	14.7	40

123	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> , <b>2017</b> , 16, 72-78	4.2	17
122	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> , <b>2017</b> , 1507, 84-94	4.5	75
121	Pyrimethanil degradation by photo-Fenton process: Influence of iron and irradiance level on treatment cost. <i>Science of the Total Environment</i> , <b>2017</b> , 605-606, 230-237	10.2	27
120	Wastewater disinfection by neutral pH photo-Fenton: The role of solar radiation intensity. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 181, 1-6	21.8	32
119	Solar disinfection is an augmentable, in situ-generated photo-Fenton reaction Part 1: A review of the mechanisms and the fundamental aspects of the process. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 199, 199-223	21.8	191
118	Solar disinfection is an augmentable, in situ-generated photo-Fenton reaction Part 2: A review of the applications for drinking water and wastewater disinfection. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 198, 431-446	21.8	126
117	Performance of different advanced oxidation processes for tertiary wastewater treatment to remove the pesticide acetamiprid. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 72-81	3.5	48
116	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> , <b>2016</b> , 2, 511-520	4.2	34
115	Removal of microcontaminants from MWTP effluents by combination of membrane technologies and solar photo-Fenton at neutral pH. <i>Catalysis Today</i> , <b>2015</b> , 252, 78-83	5.3	23
114	Fate of micropollutants during sewage sludge disintegration by low-frequency ultrasound. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 575-587	14.7	12
113	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> , <b>2015</b> , 130, 73-81	8.4	40
112	Application of high intensity UVC-LED for the removal of acetamiprid with the photo-Fenton process. <i>Chemical Engineering Journal</i> , <b>2015</b> , 264, 690-696	14.7	48
111	Modelling the photo-Fenton oxidation of the pharmaceutical paracetamol in water including the effect of photon absorption (VRPA). <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 166-167, 295-301	21.8	38
110	Supported TiO <sub>2</sub> 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> , <b>2015</b> , 90, 149-157	3.5	57
109	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> , <b>2015</b> , 178, 210-217	21.8	44
108	Biological oxygen demand as a tool to predict membrane bioreactor best operating conditions for a photo-Fenton pretreated toxic wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 110-119	3.5	5
107	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> , <b>2015</b> , 22, 846-55	5.1	20
106	Principal parameters affecting virus inactivation by the solar photo-Fenton process at neutral pH and $\text{M}^+$ concentrations of H <sub>2</sub> O <sub>2</sub> and Fe <sup>2+</sup> /3+. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 174-175, 395-402	21.8	33

105	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> , <b>2014</b> , 406, 2549-58	4.4	13
104	Fate of thiabendazole through the treatment of a simulated agro-food industrial effluent by combined MBR/Fenton processes at g/L scale. <i>Water Research</i> , <b>2014</b> , 51, 55-63	12.5	42
103	Removal of pharmaceuticals at microg L <sup>-1</sup> by combined nanofiltration and mild solar photo-Fenton. <i>Chemical Engineering Journal</i> , <b>2014</b> , 239, 68-74	14.7	40
102	Microcontaminant removal by solar photo-Fenton at natural pH run with sequential and continuous iron additions. <i>Chemical Engineering Journal</i> , <b>2014</b> , 235, 132-140	14.7	33
101	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> , <b>2014</b> , 122, 515-522	8.3	71
100	Effects of environmental variables on the photo-Fenton plant design. <i>Chemical Engineering Journal</i> , <b>2014</b> , 237, 469-477	14.7	21
99	New approach to solar photo-Fenton operation. Raceway ponds as tertiary treatment technology. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 279, 322-9	12.8	52
98	Identification and monitoring of thiabendazole transformation products in water during Fenton degradation by LC-QTOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 5323-37	4.4	29
97	Removal of pharmaceuticals from MWTP effluent by nanofiltration and solar photo-Fenton using two different iron complexes at neutral pH. <i>Water Research</i> , <b>2014</b> , 64, 23-31	12.5	109
96	A new bioseed for determination of wastewater biodegradability: analysis of the experimental procedure. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 9522-8	5.1	
95	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> , <b>2014</b> , 478, 123-32	10.2	30
94	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> , <b>2014</b> , 148-149, 484-489	21.8	42
93	Inactivation of natural enteric bacteria in real municipal wastewater by solar photo-Fenton at neutral pH. <i>Water Research</i> , <b>2014</b> , 63, 316-24	12.5	53
92	Controlling pH in biological depuration of industrial wastewater to enable micropollutant removal using a further advanced oxidation process. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1274-1282	3.5	6
91	PROMOTING ENVIRONMENTAL TECHNOLOGY USING SANITARY TAX: THE CASE OF AGRO-FOOD INDUSTRIAL WASTEWATER IN SPAIN. <i>Environmental Engineering and Management Journal</i> , <b>2014</b> , 13, 961-969	0.6	5
90	Modelling micropollutant removal by solar photo-Fenton. <i>Global Nest Journal</i> , <b>2014</b> , 16, 445-454	1.4	2
89	Study of iron sources and hydrogen peroxide supply in the photo-Fenton process using acetaminophen as model contaminant. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2013</b> , 88, 636-643	3.5	8
88	Combined nanofiltration and photo-Fenton treatment of water containing micropollutants. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 89-95	14.7	57

87	Inactivation of <i>Enterococcus faecalis</i> in simulated wastewater treatment plant effluent by solar photo-Fenton at initial neutral pH. <i>Catalysis Today</i> , <b>2013</b> , 209, 195-200	5.3	36
86	Economic evaluation of a combined photo-Fenton/MBR process using pesticides as model pollutant. Factors affecting costs. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 244-245, 195-203	12.8	73
85	Cost analysis of different hydrogen peroxide supply strategies in the solar photo-Fenton process. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 75-81	14.7	33
84	Iron dosage as a strategy to operate the photo-Fenton process at initial neutral pH. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 67-74	14.7	36
83	Automatic dosage of hydrogen peroxide in solar photo-Fenton plants: development of a control strategy for efficiency enhancement. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 237-238, 223-30	12.8	20
82	Water disinfection using photo-Fenton: Effect of temperature on <i>Enterococcus faecalis</i> survival. <i>Water Research</i> , <b>2012</b> , 46, 6154-62	12.5	53
81	Gas-Liquid Mass Transfer in Sonicated Bubble Columns. Effect of Reactor Diameter and Liquid Height. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 2769-2774	3.9	17
80	Modelling photo-Fenton process for organic matter mineralization, hydrogen peroxide consumption and dissolved oxygen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 119-120, 132-138 <sup>21.8</sup>	21.8	30
79	Combination of Advanced Oxidation Processes and biological treatments for wastewater decontamination--a review. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 4141-66	10.2	1629
78	Effect of environmental regulation on the profitability of sustainable water use in the agro-food industry. <i>Desalination</i> , <b>2011</b> , 279, 252-257	10.3	19
77	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> , <b>2011</b> , 38, 1171-8	4.2	9
76	Dissolved oxygen concentration: A key parameter in monitoring the photo-Fenton process. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 316-323	21.8	45
75	Economic evaluation of the photo-Fenton process. Mineralization level and reaction time: the keys for increasing plant efficiency. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1924-9	12.8	57
74	Integration of Solar Photocatalysis and Membrane Bioreactor for Pesticides Degradation. <i>Separation Science and Technology</i> , <b>2010</b> , 45, 1571-1578	2.5	17
73	A comparative study of different tests for biodegradability enhancement determination during AOP treatment of recalcitrant toxic aqueous solutions. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 1189-95	7	35
72	Decontamination of industrial wastewater containing pesticides by combining large-scale homogeneous solar photocatalysis and biological treatment. <i>Chemical Engineering Journal</i> , <b>2010</b> , 160, 447-456	14.7	65
71	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> , <b>2010</b> , 26, 1409-1418	4.4	11
70	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> , <b>2010</b> , 97, 292-298	21.8	55

69	Scale-up strategy for a combined solar photo-Fenton/biological system for remediation of pesticide-contaminated water. <i>Catalysis Today</i> , <b>2010</b> , 151, 100-106	5.3	51
68	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> , <b>2009</b> , 162, 1223-7	12.8	12
67	Evaluation of operational parameters involved in solar photo-Fenton degradation of a commercial pesticide mixture. <i>Catalysis Today</i> , <b>2009</b> , 144, 94-99	5.3	83
66	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> , <b>2009</b> , 88, 448-454	21.8	90
65	Degradation of a four-pesticide mixture by combined photo-Fenton and biological oxidation. <i>Water Research</i> , <b>2009</b> , 43, 653-60	12.5	117
64	Effect of pesticide concentration on the degradation process by combined solar photo-Fenton and biological treatment. <i>Water Research</i> , <b>2009</b> , 43, 3838-48	12.5	44
63	Combined photo-Fenton and biological oxidation for pesticide degradation: effect of photo-treated intermediates on biodegradation kinetics. <i>Chemosphere</i> , <b>2008</b> , 70, 1476-83	8.4	37
62	Ultrasound affects fungal morphology and broth rheology of <i>Aspergillus terreus</i> . <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S489-S490	3.7	4
61	Effects of ultrasound on culture of <i>Aspergillus terreus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 593-600	3.5	43
60	Lovastatin production by <i>Aspergillus terreus</i> in a two-staged feeding operation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2008</b> , 83, 1236-1243	3.5	19
59	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> , <b>2008</b> , 151, 780-8	12.8	23
58	Degradation of alachlor and pyrimethanil by combined photo-Fenton and biological oxidation. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 155, 342-9	12.8	63
57	Pre-industrial-scale Combined Solar Photo-Fenton and Immobilized Biomass Activated-Sludge Biotreatment. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 7467-7475	3.9	32
56	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> , <b>2007</b> , 82, 58-64	3.5	23
55	Gas-liquid transfer of atmospheric CO <sub>2</sub> in microalgal cultures. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2007</b> , 56, 329-337	3.5	33
54	A combined solar photocatalytic-biological field system for the mineralization of an industrial pollutant at pilot scale. <i>Catalysis Today</i> , <b>2007</b> , 122, 150-159	5.3	63
53	Detoxification of wastewater containing five common pesticides by solar AOPs/Biological coupled system. <i>Catalysis Today</i> , <b>2007</b> , 129, 69-78	5.3	91
52	Advanced oxidation process-biological system for wastewater containing a recalcitrant pollutant. <i>Water Science and Technology</i> , <b>2007</b> , 55, 229-35	2.2	7



51	Simultaneous Determination of Oxygen Consumption Rate and Volumetric Oxygen Transfer Coefficient in Pneumatically Agitated Bioreactors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 1167-1171	3.9	34
50	<i>Aspergillus terreus</i> Broth Rheology, Oxygen Transfer, and Lovastatin Production in a Gas-Agitated Slurry Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 4837-4843	3.9	32
49	Shear rate in stirred tank and bubble column bioreactors. <i>Chemical Engineering Journal</i> , <b>2006</b> , 124, 1-5	14.7	196
48	Solar photocatalytic degradation of some hazardous water-soluble pesticides at pilot-plant scale. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 138, 507-17	12.8	157
47	Effects of the sporulation conditions on the lovastatin production by <i>Aspergillus terreus</i> . <i>Bioprocess and Biosystems Engineering</i> , <b>2006</b> , 29, 1-5	3.7	19
46	Pellet morphology, culture rheology and lovastatin production in cultures of <i>Aspergillus terreus</i> . <i>Journal of Biotechnology</i> , <b>2005</b> , 116, 61-77	3.7	129
45	Solar photocatalytic degradation and detoxification of EU priority substances. <i>Catalysis Today</i> , <b>2005</b> , 101, 203-210	5.3	123
44	Effects of pellet morphology on broth rheology in fermentations of <i>Aspergillus terreus</i> . <i>Biochemical Engineering Journal</i> , <b>2005</b> , 26, 139-144	4.2	77
43	Photocatalytic treatment of dimethoate by solar photocatalysis at pilot plant scale. <i>Environmental Chemistry Letters</i> , <b>2005</b> , 3, 118-121	13.3	23
42	Rapid screening of <i>Aspergillus terreus</i> mutants for overproduction of lovastatin. <i>World Journal of Microbiology and Biotechnology</i> , <b>2005</b> , 21, 123-125	4.4	18
41	Lovastatin inhibits its own synthesis in <i>Aspergillus terreus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2004</b> , 31, 48-50	4.2	26
40	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> , <b>2004</b> , 79, 1119-1126	3.5	41
39	Production of <sup>13</sup> C polyunsaturated fatty acids from the microalga <i>Phaeodactylum tricornutum</i> . <i>Journal of Applied Phycology</i> , <b>2003</b> , 15, 229-237	3.2	4
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36	Modeling of eicosapentaenoic acid (EPA) production from <i>Phaeodactylum tricornutum</i> cultures in tubular photobioreactors. Effects of dilution rate, tube diameter, and solar irradiance. <i>Biotechnology and Bioengineering</i> , <b>2000</b> , 68, 173-83	4.9	48
35	Biomass nutrient profiles of the microalga <i>Porphyridium cruentum</i> . <i>Food Chemistry</i> , <b>2000</b> , 70, 345-353	8.5	135
34	Nota. Composició nutritiva de la biomasa de la microalga <i>Porphyridium cruentum</i> / Note. Nutrient composition of the biomass of the microalga <i>Porphyridium cruentum</i> . <i>Food Science and Technology International</i> , <b>2000</b> , 6, 129-135	2.6	1

33	Prediction of dissolved oxygen and carbon dioxide concentration profiles in tubular photobioreactors for microalgal culture. <i>Biotechnology and Bioengineering</i> , <b>1999</b> , 62, 71-86	4.9	228
32	Outdoor continuous culture of <i>Porphyridium cruentum</i> in a tubular photobioreactor: quantitative analysis of the daily cyclic variation of culture parameters. <i>Progress in Industrial Microbiology</i> , <b>1999</b> , 271-288		4
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> , <b>1999</b> , 70, 271-288	3.7	78
30	Prediction of dissolved oxygen and carbon dioxide concentration profiles in tubular photobioreactors for microalgal culture <b>1999</b> , 62, 71		1
29	Prediction of dissolved oxygen and carbon dioxide concentration profiles in tubular photobioreactors for microalgal culture <b>1999</b> , 62, 71		4
28	Modeling of biomass productivity in tubular photobioreactors for microalgal cultures: effects of dilution rate, tube diameter, and solar irradiance. <i>Biotechnology and Bioengineering</i> , <b>1998</b> , 58, 605-16	4.9	158
27	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> , <b>1998</b> , 50, 199-205	5.7	34
26	Evaluation of photosynthetic efficiency in microalgal cultures using averaged irradiance. <i>Enzyme and Microbial Technology</i> , <b>1997</b> , 21, 375-381	3.8	90
25	A model for light distribution and average solar irradiance inside outdoor tubular photobioreactors for the microalgal mass culture. <i>Biotechnology and Bioengineering</i> , <b>1997</b> , 55, 701-14	4.9	170
24	A study on simultaneous photolimitation and photoinhibition in dense microalgal cultures taking into account incident and averaged irradiances. <i>Journal of Biotechnology</i> , <b>1996</b> , 45, 59-69	3.7	148
23	Productivity analysis of outdoor chemostat culture in tubular air-lift photobioreactors. <i>Journal of Applied Phycology</i> , <b>1996</b> , 8, 369-380	3.2	46
22	Growth yield determination in a chemostat culture of the marine microalgae <i>isochrysis galbana</i> . <i>Journal of Applied Phycology</i> , <b>1996</b> , 8, 529-534	3.2	16
21	Optimization of light and temperature for growing <i>Chlorella</i> sp. using response surface methodology. <i>Biotechnology Letters</i> , <b>1996</b> , 10, 329		3
20	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> , <b>1995</b> , 7, 129-134	3.2	15
19	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> , <b>1995</b> , 72, 575-583	1.8	74
18	Long-term preservation of <i>Tetraselmis suecica</i> : influence of storage on viability and fatty acid profile. <i>Aquaculture</i> , <b>1995</b> , 134, 81-90	4.4	49
17	Biomass and icosapentaenoic acid productivities from an outdoor batch culture of <i>Phaeodactylum tricorutum</i> UTEX 640 in an airlift tubular photobioreactor. <i>Applied Microbiology and Biotechnology</i> , <b>1995</b> , 42, 658-663	5.7	31
16	n-3 Polyunsaturated fatty acid productivity of the marine microalgae <i>isochrysis galbana</i> . Growth conditions and phenotypic selection. <i>Journal of Applied Phycology</i> , <b>1994</b> , 6, 475-478	3.2	8

15	Effect of dilution rate on eicosapentaenoic acid productivity of <i>Phaeodactylum tricornutum</i> utex 640 in outdoor chemostat culture. <i>Biotechnology Letters</i> , <b>1994</b> , 16, 1035-1040	3	23
14	Comparison between extraction of lipids and fatty acids from microalgal biomass. <i>JAOCS, Journal of the American Oil Chemists Society</i> , <b>1994</b> , 71, 955-959	1.8	110
13	Outdoor turbidostat culture of the marine microalga <i>Tetraselmis</i> sp.. <i>Aquaculture Research</i> , <b>1994</b> , 25, 547-555	1.9	3
12	QUANTITATIVE GENETICS OF FATTY ACID VARIATION IN ISOCHRYSIS GALBANA (PRYMNESIOPHYCEAE) AND PHAEODACTYLUM TRICORNUTUM (BACILLARIOPHYCEAE)1. <i>Journal of Phycology</i> , <b>1994</b> , 30, 553-558	3	20
11	Outdoor culture of <i>Isochrysis galbana</i> ALII-4 in a closed tubular photobioreactor. <i>Journal of Biotechnology</i> , <b>1994</b> , 37, 159-166	3.7	44
10	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> , <b>1994</b> , 41, 23-27	5.7	55
9	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> , <b>1994</b> , 29, 119-126	4.8	21
8	Preservation of the marine microalga, <i>Isochrysis galbana</i> : influence on the fatty acid profile. <i>Aquaculture</i> , <b>1994</b> , 123, 377-385	4.4	37
7	A mathematical model of microalgal growth in light-limited chemostat culture. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1994</b> , 61, 167-173	3.5	182
6	Estudio de macronutrientes para la producción de PUFAs a partir de la microalga marina <i>Isochrysis galbana</i> . <i>Grasas Y Aceites</i> , <b>1994</b> , 45, 323-331	1.3	5
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4	Cuantificación de lípidos grasos a partir de biomasa microalgal. <i>Grasas Y Aceites</i> , <b>1993</b> , 44, 348-353	1.3	11
3	EPA from <i>Isochrysis galbana</i> . Growth conditions and productivity. <i>Process Biochemistry</i> , <b>1992</b> , 27, 299-304	4.8	58
2	Isolation of clones of <i>Isochrysis galbana</i> rich in eicosapentaenoic acid. <i>Aquaculture</i> , <b>1992</b> , 102, 363-371	4.4	46
1	Fatty acid variation among different isolates of a single strain of <i>Isochrysis galbana</i> . <i>Phytochemistry</i> , <b>1992</b> , 31, 3901-3904	4	29