

# Sara Miralles Cuevas

## 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.

50  
papers

1,422  
citations

23  
h-index

37  
g-index

51  
ext. papers

1,634  
ext. citations

8.9  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
50	Evaluation of commercial zerovalent iron sources in combination with solar energy to remove microcontaminants from natural water at circumneutral pH. <i>Chemosphere</i> , <b>2022</b> , 286, 131557	8.4	1
49	New development of a solar electrochemical raceway pond reactor for industrial wastewater treatment. <i>Environmental Research</i> , <b>2022</b> , 212, 113553	7.9	0
48	Simultaneous Disinfection and Organic Microcontaminant Removal by UVC-LED-Driven Advanced Oxidation Processes. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1507	3	1
47	An improved hybrid strategy for online dosage of hydrogen peroxide in photo-Fenton processes. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105235	6.8	3
46	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
45	A critical evaluation of the use of accumulated energy as a parameter for the scale-up of solar photoreactors during the treatment of simulated industrial wastewater by solar photo-Fenton. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> , 96, 1593-1602	3.5	
44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	The influence of location on solar photo-Fenton: Process performance, photoreactor scaling-up and treatment cost. <i>Renewable Energy</i> , <b>2020</b> , 145, 1890-1900	8.1	22
35	Solar Water Detoxification. <i>Green Energy and Technology</i> , <b>2019</b> , 341-351	0.6	1
34	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

33	Inactivation of <i>E. coli</i> and <i>E. faecalis</i> by solar photo-Fenton with EDDS complex at neutral pH in municipal wastewater effluents. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 372, 85-93	12.8	33
32	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	5.1	4
31	Environmental assessment of sustainable energy options for multi-effect distillation of brackish water in isolated communities. <i>Journal of Cleaner Production</i> , <b>2019</b> , 213, 1371-1379	10.3	14
30	Environmental assessment of solar photo-Fenton processes in combination with nanofiltration for the removal of micro-contaminants from real wastewaters. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 2210-2220	10.2	32
29	EDDS as complexing agent for enhancing solar advanced oxidation processes in natural water: Effect of iron species and different oxidants. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 372, 129-136	12.8	36
28	Monitoring and Removal of Organic Micro-contaminants by Combining Membrane Technologies with Advanced Oxidation Processes. <i>Current Organic Chemistry</i> , <b>2018</b> , 22, 1103-1119	1.7	9
27	The combined effect of irradiance and iron concentration on photo-Fenton treatment cost <b>2018</b> ,		2
26	Techno-economic assessment of a multi-effect distillation plant installed for the production of irrigation water in Arica (Chile). <i>Science of the Total Environment</i> , <b>2018</b> , 643, 423-434	10.2	9
25	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
24	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
23	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
22	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
21	Development of TiO <sub>2</sub> -C photocatalysts for solar treatment of polluted water. <i>Carbon</i> , <b>2017</b> , 122, 361-373	10.4	51
20	Cork boiling wastewater treatment and reuse through combination of advanced oxidation technologies. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 6317-6328	5.1	14
19	Comparison of UV/H <sub>2</sub> O <sub>2</sub> , UV/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> /solar/Fe(II)/H <sub>2</sub> O <sub>2</sub> and solar/Fe(II)/S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> at pilot plant scale for the elimination of micro-contaminants in natural water: An economic assessment. <i>Chemical Engineering Journal</i> , <b>2017</b> , 310, 514-524	14.7	61
18	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
17	Study of application of titania catalysts on solar photocatalysis: Influence of type of pollutants and water matrices. <i>Chemical Engineering Journal</i> , <b>2016</b> , 291, 64-73	14.7	53
16	CHAPTER 6:Process Integration. Concepts of Integration and Coupling of Photocatalysis with Other Processes. <i>RSC Energy and Environment Series</i> , <b>2016</b> , 157-173	0.6	2

15	Pilot-plant evaluation of TiO <sub>2</sub> and TiO <sub>2</sub> -based hybrid photocatalysts for solar treatment of polluted water. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 320, 469-478	12.8	38
14	Microcontaminant degradation in municipal wastewater treatment plant secondary effluent by EDDS assisted photo-Fenton at near-neutral pH: An experimental design approach. <i>Catalysis Today</i> , <b>2015</b> , 252, 61-69	5.3	37
13	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
12	Coupling between high-frequency ultrasound and solar photo-Fenton at pilot scale for the treatment of organic contaminants: an initial approach. <i>Ultrasonics Sonochemistry</i> , <b>2015</b> , 22, 527-34	8.9	30
11	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
10	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
9	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
8	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
7	Approaches to Water and Wastewater Treatment for Removal of Emerging Contaminants: Ongoing Research and Recommendations for Future Work <b>2014</b> , 161-178		1
6	Advanced Technologies for Emerging Contaminants Removal in Urban Wastewater. <i>Handbook of Environmental Chemistry</i> , <b>2014</b> , 145-169	0.8	3
5	Strategies for hydrogen peroxide dosing based on dissolved oxygen concentration for solar photo-Fenton treatment of complex wastewater. <i>Global Nest Journal</i> , <b>2014</b> , 16, 553-560	1.4	7
4	Combined nanofiltration and photo-Fenton treatment of water containing micropollutants. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 89-95	14.7	57
3	Experimental evaluation of two pilot-scale membrane distillation modules used for solar desalination. <i>Journal of Membrane Science</i> , <b>2012</b> , 409-410, 264-275	9.6	111
2	Treatment of emerging contaminants in wastewater treatment plants (WWTP) effluents by solar photocatalysis using low TiO <sub>2</sub> concentrations. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 211-212, 131-7	12.8	168
1	Optimization of mild solar TiO <sub>2</sub> photocatalysis as a tertiary treatment for municipal wastewater treatment plant effluents. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 128, 119-125	21.8	26