Sara Miralles Cuevas

List of Publications by Citations

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	Treatment of emerging contaminants in wastewater treatment plants (WWTP) effluents by solar photocatalysis using low TiO2 concentrations. *Journal of Hazardous Materials*, **2012**, 211-212, 131-7	12.8	168
49	Experimental evaluation of two pilot-scale membrane distillation modules used for solar desalination. *Journal of Membrane Science*, **2012**, 409-410, 264-275	9.6	111
48	Removal of pharmaceuticals from MWTP effluent by nanofiltration and solar photo-Fenton using two different iron complexes at neutral pH. *Water Research*, **2014**, 64, 23-31	12.5	109
47	Pharmaceuticals removal from natural water by nanofiltration combined with advanced tertiary treatments (solar photo-Fenton, photo-Fenton-like Fe(III)EDDS complex and ozonation). *Separation and Purification Technology*, **2014**, 122, 515-522	8.3	71
46	Strategies for reducing cost by using solar photo-Fenton treatment combined with nanofiltration to remove microcontaminants in real municipal effluents: Toxicity and economic assessment. *Chemical Engineering Journal*, **2017**, 318, 161-170	14.7	66
45	Combination of nanofiltration and ozonation for the remediation of real municipal wastewater effluents: Acute and chronic toxicity assessment. *Journal of Hazardous Materials*, **2017**, 323, 442-451	12.8	61
44	Comparison of UV/H 2 O 2 , UV/S 2 O 8 2 solar/Fe(II)/H 2 O 2 and solar/Fe(II)/S 2 O 8 2 at pilot plant scale for the elimination of micro-contaminants in natural water: An economic assessment. *Chemical Engineering Journal*, **2017**, 310, 514-524	14.7	61
43	Combined nanofiltration and photo-Fenton treatment of water containing micropollutants. *Chemical Engineering Journal*, **2013**, 224, 89-95	14.7	57
42	Study of application of titania catalysts on solar photocatalysis: Influence of type of pollutants and water matrices. *Chemical Engineering Journal*, **2016**, 291, 64-73	14.7	53
41	Development of TiO2-C photocatalysts for solar treatment of polluted water. *Carbon*, **2017**, 122, 361-373	10.4	51
40	Removal of pharmaceuticals at microg L by combined nanofiltration and mild solar photo-Fenton. *Chemical Engineering Journal*, **2014**, 239, 68-74	14.7	40
39	Pilot-plant evaluation of TiO and TiO-based hybrid photocatalysts for solar treatment of polluted water. *Journal of Hazardous Materials*, **2016**, 320, 469-478	12.8	38
38	Microcontaminant removal in secondary effluents by solar photo-Fenton at circumneutral pH in raceway pond reactors. *Catalysis Today*, **2017**, 287, 10-14	5.3	37
37	Microcontaminant degradation in municipal wastewater treatment plant secondary effluent by EDDS assisted photo-Fenton at near-neutral pH: An experimental design approach. *Catalysis Today*, **2015**, 252, 61-69	5.3	37
36	EDDS as complexing agent for enhancing solar advanced oxidation processes in natural water: Effect of iron species and different oxidants. *Journal of Hazardous Materials*, **2019**, 372, 129-136	12.8	36
35	Is the combination of nanofiltration membranes and AOPs for removing microcontaminants cost effective in real municipal wastewater effluents?. *Environmental Science: Water Research and Technology*, **2016**, 2, 511-520	4.2	34
34	Inactivation of E. coli and E. faecalis by solar photo-Fenton with EDDS complex at neutral pH in municipal wastewater effluents. *Journal of Hazardous Materials*, **2019**, 372, 85-93	12.8	33

33	Environmental assessment of solar photo-Fenton processes in combination with nanofiltration for the removal of micro-contaminants from real wastewaters. *Science of the Total Environment*, **2019**, 650, 2210-2220	10.2	32
32	Coupling between high-frequency ultrasound and solar photo-Fenton at pilot scale for the treatment of organic contaminants: an initial approach. *Ultrasonics Sonochemistry*, **2015**, 22, 527-34	8.9	30
31	Pyrimethanil degradation by photo-Fenton process: Influence of iron and irradiance level on treatment cost. *Science of the Total Environment*, **2017**, 605-606, 230-237	10.2	27
30	Optimization of mild solar TiO2 photocatalysis as a tertiary treatment for municipal wastewater treatment plant effluents. *Applied Catalysis B: Environmental*, **2012**, 128, 119-125	21.8	26
29	Removal of contaminants of emerging concern by continuous flow solar photo-Fenton process at neutral pH in open reactors. *Journal of Environmental Management*, **2020**, 261, 110265	7.9	24
28	Removal of microcontaminants from MWTP effluents by combination of membrane technologies and solar photo-Fenton at neutral pH. *Catalysis Today*, **2015**, 252, 78-83	5.3	23
27	Fe-NTA as iron source for solar photo-Fenton at neutral pH in raceway pond reactors. *Science of the Total Environment*, **2020**, 736, 139617	10.2	23
26	The influence of location on solar photo-Fenton: Process performance, photoreactor scaling-up and treatment cost. *Renewable Energy*, **2020**, 145, 1890-1900	8.1	22
25	Application of solar photo-Fenton at circumneutral pH to nanofiltration concentrates for removal of pharmaceuticals in MWTP effluents. *Environmental Science and Pollution Research*, **2015**, 22, 846-55	5.1	20
24	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. *Catalysis Today*, **2021**, 361, 17-23	5.3	19
23	Comparison of different detoxification pilot plants for the treatment of industrial wastewater by solar photo-Fenton: Are raceway pond reactors a feasible option?. *Science of the Total Environment*, **2019**, 648, 601-608	10.2	14
22	Cork boiling wastewater treatment and reuse through combination of advanced oxidation technologies. *Environmental Science and Pollution Research*, **2017**, 24, 6317-6328	5.1	14
21	Environmental assessment of sustainable energy options for multi-effect distillation of brackish water in isolated communities. *Journal of Cleaner Production*, **2019**, 213, 1371-1379	10.3	14
20	Monitoring and Removal of Organic Micro-contaminants by Combining Membrane Technologies with Advanced Oxidation Processes. *Current Organic Chemistry*, **2018**, 22, 1103-1119	1.7	9
19	Techno-economic assessment of a multi-effect distillation plant installed for the production of irrigation water in Arica (Chile). *Science of the Total Environment*, **2018**, 643, 423-434	10.2	9
18	Strategies for hydrogen peroxide dosing based on dissolved oxygen concentration for solar photo-Fenton treatment of complex wastewater. *Global Nest Journal*, **2014**, 16, 553-560	1.4	7
17	Modeling persulfate activation by iron and heat for the removal of contaminants of emerging concern using carbamazepine as model pollutant. *Chemical Engineering Journal*, **2020**, 389, 124445	14.7	6
16	Determination of dextromethorphan and dextrorphan solar photo-transformation products by LC/Q-TOF-MS: Laboratory scale experiments and real water samples analysis. *Environmental Pollution*, **2020**, 265, 114722	9.3	5

15	Contribution of temperature and photon absorption on solar photo-Fenton mediated by Fe3+-NTA for CEC removal in municipal wastewater. *Applied Catalysis B: Environmental*, **2021**, 294, 120251	21.8	5
14	Simultaneous bacterial inactivation and microcontaminant removal by solar photo-Fenton mediated by Fe-NTA in WWTP secondary effluents. *Water Research*, **2021**, 205, 117686	12.5	5
13	Effect of liquid depth on microcontaminant removal by solar photo-Fenton with Fe(III):EDDS at neutral pH in high salinity wastewater. *Environmental Science and Pollution Research*, **2019**, 26, 28071-28079	5.1	4
12	Application of solar photo-Fenton in raceway pond reactors: A review. *Science of the Total Environment*, **2021**, 800, 149653	10.2	4
11	Advanced Technologies for Emerging Contaminants Removal in Urban Wastewater. *Handbook of Environmental Chemistry*, **2014**, 145-169	0.8	3
10	An improved hybrid strategy for online dosage of hydrogen peroxide in photo-Fenton processes. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105235	6.8	3
9	Assessment of different iron sources for continuous flow solar photo-Fenton at neutral pH for sulfamethoxazole removal in actual MWWTP effluents. *Journal of Water Process Engineering*, **2021**, 42, 102109	6.7	3
8	CHAPTER 6:Process Integration. Concepts of Integration and Coupling of Photocatalysis with Other Processes. *RSC Energy and Environment Series*, **2016**, 157-173	0.6	2
7	The combined effect of irradiance and iron concentration on photo-Fenton treatment cost **2018**,		2
6	Solar Water Detoxification. *Green Energy and Technology*, **2019**, 341-351	0.6	1
5	Approaches to Water and Wastewater Treatment for Removal of Emerging Contaminants: Ongoing Research and Recommendations for Future Work **2014**, 161-178		1
4	Simultaneous Disinfection and Organic Microcontaminant Removal by UVC-LED-Driven Advanced Oxidation Processes. *Water (Switzerland)*, **2021**, 13, 1507	3	1
3	Evaluation of commercial zerovalent iron sources in combination with solar energy to remove microcontaminants from natural water at circumneutral pH. *Chemosphere*, **2022**, 286, 131557	8.4	1
2	New development of a solar electrochemical raceway pond reactor for industrial wastewater treatment. *Environmental Research*, **2022**, 212, 113553	7.9	0
1	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. *Journal of Chemical Technology and Biotechnology*, **2021**, 96, 1593-1602	3.5	