

# Anna Jurado

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,462  
citations

257357

24  
h-index

243529

44  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of 95 pharmaceuticals and transformation products in urban groundwaters underlying the metropolis of Barcelona, Spain. <i>Environmental Pollution</i> , 2013, 174, 305-315.	3.7	347
2	Emerging organic contaminants in groundwater in Spain: A review of sources, recent occurrence and fate in a European context. <i>Science of the Total Environment</i> , 2012, 440, 82-94.	3.9	321
3	Isotopic composition of nitrogen species in groundwater under agricultural areas: A review. <i>Science of the Total Environment</i> , 2018, 621, 1415-1432.	3.9	186
4	Effects of agricultural land use on fluvial carbon dioxide, methane and nitrous oxide concentrations in a large European river, the Meuse (Belgium). <i>Science of the Total Environment</i> , 2018, 610-611, 342-355.	3.9	138
5	Occurrence, fate and environmental risk assessment of the organic microcontaminants included in the Watch Lists set by EU Decisions 2015/495 and 2018/840 in the groundwater of Spain. <i>Science of the Total Environment</i> , 2019, 663, 285-296.	3.9	117
6	Urban groundwater contamination by residues of UV filters. <i>Journal of Hazardous Materials</i> , 2014, 271, 141-149.	6.5	109
7	Dewatering of a deep excavation undertaken in a layered soil. <i>Engineering Geology</i> , 2014, 178, 15-27.	2.9	98
8	Barrier effect of underground structures on aquifers. <i>Engineering Geology</i> , 2012, 145-146, 41-49.	2.9	92
9	Dynamics and emissions of N <sub>2</sub> O in groundwater: A review. <i>Science of the Total Environment</i> , 2017, 584-585, 207-218.	3.9	70
10	Hydraulic characterization of diaphragm walls for cut and cover tunnelling. <i>Engineering Geology</i> , 2012, 125, 1-10.	2.9	68
11	A methodology for characterizing the hydraulic effectiveness of an annular low-permeability barrier. <i>Engineering Geology</i> , 2011, 120, 68-80.	2.9	67
12	Drugs of abuse in urban groundwater. A case study: Barcelona. <i>Science of the Total Environment</i> , 2012, 424, 280-288.	3.9	66
13	Deep enclosures versus pumping to reduce settlements during shaft excavations. <i>Engineering Geology</i> , 2014, 169, 100-111.	2.9	65
14	Occurrence, fate and risk assessment of personal care products in river-groundwater interface. <i>Science of the Total Environment</i> , 2016, 568, 829-837.	3.9	59
15	Hydrogeological assessment of non-linear underground enclosures. <i>Engineering Geology</i> , 2016, 207, 91-102.	2.9	53
16	Settlements around pumping wells: Analysis of influential factors and a simple calculation procedure. <i>Journal of Hydrology</i> , 2017, 548, 225-236.	2.3	53
17	Probabilistic analysis of groundwater-related risks at subsurface excavation sites. <i>Engineering Geology</i> , 2012, 125, 35-44.	2.9	49
18	Occurrence of carbamazepine and five metabolites in an urban aquifer. <i>Chemosphere</i> , 2014, 115, 47-53.	4.2	44

#	ARTICLE	IF	CITATIONS
19	Application of multi-isotope data (O, D, C and S) to quantify redox processes in urban groundwater. <i>Applied Geochemistry</i> , 2013, 34, 114-125.	1.4	36
20	Hydrogeological impact assessment by tunnelling at sites of high sensitivity. <i>Engineering Geology</i> , 2015, 193, 421-434.	2.9	36
21	AkvaGIS: An open source tool for water quantity and quality management. <i>Computers and Geosciences</i> , 2019, 127, 123-132.	2.0	32
22	Using EMMA and MIX analysis to assess mixing ratios and to identify hydrochemical reactions in groundwater. <i>Science of the Total Environment</i> , 2014, 470-471, 1120-1131.	3.9	31
23	Hydrochemical changes induced by underground pumped storage hydropower and their associated impacts. <i>Journal of Hydrology</i> , 2018, 563, 927-941.	2.3	29
24	Effect of land use changes on non-carcinogenic health risks due to nitrate exposure to drinking groundwater. <i>Environmental Science and Pollution Research</i> , 2021, 28, 41937-41947.	2.7	28
25	Modelling of the EPB TBM shield tunnelling advance as a tool for geological characterization. <i>Tunnelling and Underground Space Technology</i> , 2016, 56, 12-21.	3.0	26
26	Urban Groundwater Contamination by Non-Steroidal Anti-Inflammatory Drugs. <i>Water (Switzerland)</i> , 2021, 13, 720.	1.2	25
27	Fate and risk assessment of sulfonamides and metabolites in urban groundwater. <i>Environmental Pollution</i> , 2020, 267, 115480.	3.7	22
28	Occurrence of greenhouse gases in the aquifers of the Walloon Region (Belgium). <i>Science of the Total Environment</i> , 2018, 619-620, 1579-1588.	3.9	21
29	Potential uses of pumped urban groundwater: a case study in Sant AdriÀ del BesÀ²s (Spain). <i>Hydrogeology Journal</i> , 2017, 25, 1745-1758.	0.9	18
30	Groundwater-related aspects during the development of deep excavations below the water table: A short review. <i>Underground Space (China)</i> , 2021, 6, 35-45.	3.4	18
31	Occurrence, fate, and risk of the organic pollutants of the surface water watch List in European groundwaters: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3313-3333.	8.3	18
32	Quantifying chemical reactions by using mixing analysis. <i>Science of the Total Environment</i> , 2015, 502, 448-456.	3.9	15
33	Water chemical evolution in Underground Pumped Storage Hydropower plants and induced consequences. <i>Energy Procedia</i> , 2017, 125, 504-510.	1.8	15
34	Parametric assessment of hydrochemical changes associated to underground pumped hydropower storage. <i>Science of the Total Environment</i> , 2019, 659, 599-611.	3.9	14
35	Dynamics of greenhouse gases in the river-groundwater interface in a gaining river stretch (Triffoy) Tj ETQq1 1 0,784314 rgBT /Over	0.9	12
36	Dynamics of greenhouse gases in groundwater: hydrogeological and hydrogeochemical controls. <i>Applied Geochemistry</i> , 2019, 105, 31-44.	1.4	12

#	ARTICLE	IF	CITATIONS
37	Groundwater quality changes in peri-urban areas of the Walloon region of Belgium. <i>Journal of Contaminant Hydrology</i> , 2021, 240, 103780.	1.6	11
38	Enhanced Removal of Contaminants of Emerging Concern through Hydraulic Adjustments in Soil Aquifer Treatment. <i>Water (Switzerland)</i> , 2020, 12, 2627.	1.2	10
39	Occurrence of pathogens in the river-groundwater interface in a losing river stretch (Besòs River). <i>Tj ETQq1 1 0.784314 rgBT /Ove</i>	3.9	9
40	Integration of groundwater by-pass facilities in the bottom slab design for large underground structures. <i>Tunnelling and Underground Space Technology</i> , 2018, 71, 231-243.	3.0	7
41	Numerical Modelling of the Mulino Delle Vene Aquifer (Northern Italy) as a Tool for Predicting the Hydrogeological System Behavior under Different Recharge Conditions. <i>Water (Switzerland)</i> , 2019, 11, 2505.	1.2	7
42	Emerging Organic Contaminants in Aquifers: Sources, Transport, Fate, and Attenuation. <i>Handbook of Environmental Chemistry</i> , 2015, , 47-75.	0.2	2
43	Occurrence, Fate and Associated Risks of Organic Micropollutants from the Watch List of European Groundwaters. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 113-163.	0.3	2
44	Hydrochemical changes induced by underground pumped storage hydropower: influence of aquifer parameters in coal mine environments. <i>Advances in Geosciences</i> , 0, 45, 45-49.	12.0	2
45	Dynamics of nitrous oxide with depth in groundwater: Insights from ambient groundwater and laboratory incubation experiments (Hesbaye chalk aquifer, Belgium). <i>Journal of Contaminant Hydrology</i> , 2021, 241, 103797.	1.6	1