

# Antonio Pulido Bosch

## List of Publications by Year in descending order

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111  
papers

3,653  
citations

136885

32  
h-index

149623

56  
g-index

119  
all docs

119  
docs citations

119  
times ranked

3118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Mine Leachates on a Carbonate Aquifer (SE Spain). <i>Mine Water and the Environment</i> , 2021, 40, 225-234.	0.9	3
2	Principles of Karst Hydrogeology. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2021, , .	0.1	1
3	Time Series Analyses. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2021, , 147-193.	0.1	0
4	Anthropic-induced salinization in a dolomite coastal aquifer. Hydrogeochemical processes. <i>Journal of Geochemical Exploration</i> , 2020, 209, 106438.	1.5	17
5	Groundwater Sustainability Strategies in the Sierra de Gador-Campo de Dalias System, Southeast Spain. <i>Water (Switzerland)</i> , 2020, 12, 3262.	1.2	6
6	A Parsimonious Distributed Model for Rainfall-Discharge Simulation in the Karst Modelling Challenge (KMC). <i>Advances in Karst Science</i> , 2020, , 137-143.	0.3	0
7	Some aspects of the functioning of careos determined by tracer experiments: Example of La Alpujarra (Spain). , 2020, , 431-434.		0
8	Groundwater Temperature as an Indicator of the Vulnerability of Karst Coastal Aquifers. <i>Geosciences (Switzerland)</i> , 2019, 9, 23.	1.0	13
9	Methods to supply seawater to desalination plants along the Spanish mediterranean coast and their associated issues. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	9
10	Impacts of agricultural irrigation on groundwater salinity. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	93
11	Hazard and risk intensity maps for water-bearing units: a case study. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 173-184.	1.8	6
12	Influence of the paleogeographic evolution on the groundwater salinity in a coastal aquifer. Cabo de Gata aquifer, SE Spain. <i>Journal of Hydrology</i> , 2018, 557, 55-66.	2.3	19
13	A parsimonious distributed model for simulating transient water flow in a high-relief karst aquifer. <i>Hydrogeology Journal</i> , 2018, 26, 2617-2627.	0.9	15
14	Impact of irrigated agriculture on groundwater-recharge salinity: a major sustainability concern in semi-arid regions. <i>Hydrogeology Journal</i> , 2018, 26, 2781-2791.	0.9	112
15	Anthropization of groundwater resources in the Mediterranean region: processes and challenges. <i>Hydrogeology Journal</i> , 2017, 25, 1529-1547.	0.9	60
16	Constraining Geostatistical Simulations of Delta Hydrofacies by Using Machine Correlation. <i>Quantitative Geology and Geostatistics</i> , 2017, , 893-907.	0.1	0
17	Salinisation de lâ€™aquifÃ©re libre de la Chaouia cÃ©tiÃ©re (Azemmour-Tnine Chtouka), Maroc. <i>Hydrological Sciences Journal</i> , 2017, 62, 749-759.	1.2	5
18	Assessment of aquifer vulnerability using a geophysical approach in hyper-arid zones. A case study (In) Tj ETQq0 0 0,rgBT /Overlock 10 T	0.6	4

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19	U-isotopes and <sup>226</sup> Ra as tracers of hydrogeochemical processes in carbonated karst aquifers from arid areas. <i>Journal of Environmental Radioactivity</i> , 2016, 158-159, 9-20.	0.9	24
20	Application of Multivariate Statistical Techniques for Characterization of Groundwater Quality in the Coastal Aquifer of Nador, Tipaza (Algeria). <i>Acta Geophysica</i> , 2016, 64, 670-693.	1.0	16
21	Groundwater flow and residence time in a karst aquifer using ion and isotope characterization. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2579-2596.	1.8	13
22	Numerical modelling of a forced gradient tracer test undertaken under non-ideal conditions. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2016, 49, 183-190.	0.8	1
23	Morphometric analysis of karst depressions on a mediterranean karst massif. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2016, 98, 247-263.	0.6	14
24	Assessment of groundwater vulnerability and quality in coastal aquifers: a case study (Tipaza, North) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.6	44
25	The anthropogenic impact on Mediterranean karst aquifers: cases of some Spanish aquifers. <i>Environmental Earth Sciences</i> , 2015, 74, 185-198.	1.3	20
26	Using ion and isotope characterization to delimitate a hydrogeological macrosystem. Sierra de GÃ¡dor (SE, Spain). <i>Journal of Geochemical Exploration</i> , 2015, 155, 14-25.	1.5	17
27	ArcGeomorphometry: A toolbox for geomorphometric characterisation of DEMs in the ArcGIS environment. <i>Computers and Geosciences</i> , 2015, 85, 155-163.	2.0	37
28	Processes Influencing Groundwater Level and the Freshwater-Saltwater Interface in a Coastal Aquifer. <i>Water Resources Management</i> , 2015, 29, 679-697.	1.9	36
29	Interaction of aquiferâ€™wetland in a zone of intensive agriculture: the case of Campo de DalÃ¡as (AlmerÃ¡a, SE Spain). <i>Environmental Earth Sciences</i> , 2015, 73, 2869-2880.	1.3	6
30	Identification of a Holocene aquiferâ€™lagoon system using hydrogeochemical data. <i>Quaternary Research</i> , 2014, 82, 121-131.	1.0	32
31	Comparative performance of soil water balance models in computing semi-arid aquifer recharge. <i>Hydrological Sciences Journal</i> , 2014, 59, 193-203.	1.2	14
32	Recharge estimation of a small karstic aquifer in a semiarid Mediterranean region (southeastern) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2</i>	1.1	23
33	The Role of Aquifer Media in Improving the Quality of Seawater Feed to Desalination Plants. <i>Water Resources Management</i> , 2013, 27, 1377-1392.	1.9	15
34	Identification of hydrogeochemical process linked to marine intrusion induced by pumping of a semiconfined mediterranean coastal aquifer. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 63-76.	1.8	18
35	A GIS tool for modelling annual diffuse infiltration on a plot scale. <i>Computers and Geosciences</i> , 2013, 54, 318-325.	2.0	9
36	Hydrogeochemistry and geochemical simulations to assess waterâ€™rock interactions in complex carbonate aquifers: The case of Aguadulce (SE Spain). <i>Applied Geochemistry</i> , 2013, 29, 43-54.	1.4	62

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37	Geochemical simulations to assess the fluorine origin in <sc>S</sc>ierra de <sc>G</sc>ador groundwater (<sc>SE S</sc>pain). Geofluids, 2013, 13, 194-203.	0.3	9
38	Identification of potential subsidence related to pumping in the Almer�a basin (SE Spain). Hydrological Processes, 2012, 26, 731-740.	1.1	16
39	Recharge to mountainous carbonated aquifers in SE Spain: Different approaches and new challenges. Journal of Arid Environments, 2011, 75, 1262-1270.	1.2	49
40	ArcE: A GIS tool for modelling actual evapotranspiration. Computers and Geosciences, 2011, 37, 1468-1475.	2.0	7
41	Hydrogeochemical processes in the vicinity of a desalination plant (Cabo de Gata, SE Spain). Desalination, 2011, 277, 338-347.	4.0	40
42	An oceanographic survey for the detection of a possible Submarine Groundwater Discharge in the coastal zone of Campo de Dalias, SE Spain. , 2011, , 417-424.		1
43	Gypsum karst evolution in a diapir: a case study (Pinoso, Alicante, Spain). Environmental Earth Sciences, 2010, 59, 1057-1063.	1.3	8
44	Resources Assessment of a Small Karstic Mediterranean Aquifer (South-Eastern, Spain). Environmental Earth Sciences, 2010, , 13-18.	0.1	2
45	Identification of Thermal Anomalies in the Carbonate Aquifer of the Lower Andarax (SE Spain) by Means of Temperature Cross-Sections. Environmental Earth Sciences, 2010, , 209-214.	0.1	1
46	Influence of Triassic deposits on water quality of some karstic aquifers to the south of Alicante (Spain). Estudios Geol6gicos, 2010, 66, 131-138.	0.7	3
47	Automated monitoring of coastal aquifers with electrical resistivity tomography. Near Surface Geophysics, 2009, 7, 367-376.	0.6	116
48	Characterization of seawater intrusion using 2D electrical imaging. Near Surface Geophysics, 2009, 7, 377-390.	0.6	127
49	Environmental and hydrogeological problems in karstic terrains crossed by tunnels: a case study. Environmental Geology, 2009, 58, 347-357.	1.2	30
50	Methodologies for abstraction from coastal aquifers for supplying desalination plants in the south-east of Spain. Desalination, 2009, 249, 1088-1098.	4.0	19
51	The fresh water-seawater contact in coastal aquifers supporting intensive pumped seawater extractions: A case study. Comptes Rendus - Geoscience, 2009, 341, 993-1002.	0.4	19
52	Multi-objective, multiple participant decision support for water management in the Andarax catchment, Almeria. Environmental Geology, 2008, 54, 479-489.	1.2	26
53	Origin of water salinity in a lake and coastal aquifer system. Environmental Geology, 2008, 54, 565-573.	1.2	26
54	A monitoring programme for 1,3-dichloropropene and metabolites in groundwater in five EU countries. Pest Management Science, 2008, 64, 923-932.	1.7	13

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55	Simple procedure to simulate karstic aquifers. <i>Hydrological Processes</i> , 2008, 22, 1876-1884.	1.1	23
56	Chemical and isotopic assessment in volcanic thermal waters: Cases of Ischia (Italy) and São Miguel (Azores, Portugal). <i>Hydrological Processes</i> , 2008, 22, 4386-4399.	1.1	21
57	An ecohydrological modelling approach for assessing long-term recharge rates in semiarid karstic landscapes. <i>Journal of Hydrology</i> , 2008, 351, 42-57.	2.3	30
58	Geostatistical Analysis to Identify Hydrogeochemical Processes in Complex Aquifers: A Case Study (Agudulce Unit, Almeria, SE Spain). <i>Ambio</i> , 2008, 37, 249-253.	2.8	14
59	Overexploitation and water quality in the Crevillente aquifer (Alicante, SE Spain). <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	4
60	Hydrological implications of desertification in southeastern Spain /<i>Implications hydrologiques de la d��sertification dans le sud-est de l'Espagne</i>. <i>Hydrological Sciences Journal</i> , 2007, 52, 1146-1161.	1.2	29
61	Estimating groundwater recharge induced by engineering systems in a semiarid area (southeastern) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	1.2	56
62	Characterization of the Salinisation Processes in Aquifers Using Boron Isotopes; Application to South-Eastern Spain. <i>Water, Air, and Soil Pollution</i> , 2007, 187, 65-80.	1.1	28
63	Geometry and dynamics of the freshwater��seawater interface in a coastal aquifer in southeastern Spain. <i>Hydrological Sciences Journal</i> , 2006, 51, 543-555.	1.2	17
64	Impact of quarrying gypsum in a semidesert karstic area (Sorbas, SE Spain). <i>Environmental Geology</i> , 2004, 46, 583.	1.2	11
65	Matrix hydrodynamic properties of carbonate rocks from the Betic Cordillera (Spain). <i>Hydrological Processes</i> , 2004, 18, 2893-2906.	1.1	14
66	Seawater intrusion and associated processes in a small coastal complex aquifer (Castell de Ferro,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	1.4	209
67	Origin of boron from a complex aquifer in southeast of Spain. <i>Environmental Geology</i> , 2003, 44, 301-307.	1.2	13
68	Strontium, SO42��/Cl�� and Mg2+/Ca2+ ratios as tracers for the evolution of seawater into coastal aquifers: the example of Castell de Ferro aquifer (SE Spain). <i>Comptes Rendus - Geoscience</i> , 2003, 335, 1039-1048.	0.4	83
69	Evolution of the gypsum karst of Sorbas (SE Spain). <i>Geomorphology</i> , 2003, 50, 173-180.	1.1	45
70	Environmental control for determining human impact and permanent visitor capacity in a potential show cave before tourist use. <i>Environmental Conservation</i> , 2003, 30, 160-167.	0.7	51
71	Using stable isotope analysis (��D����18O) to characterise the regional hydrology of the Sierra de Gador, south east Spain. <i>Journal of Hydrology</i> , 2002, 265, 43-55.	2.3	71
72	Identification of the origin of salinization in groundwater using minor ions (Lower Andarax,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td</i>	3.9	142

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73	Water temperature and conductivity variability as indicators of groundwater behaviour in complex aquifer systems in the south-east of Spain. <i>Hydrological Processes</i> , 2002, 16, 3365-3378.	1.1	20
74	Gypsum karst in the Betic Cordillera (south Spain). <i>Carbonates and Evaporites</i> , 2002, 17, 134-141.	0.4	8
75	Assessment of Groundwater Quality by Means of Self-Organizing Maps: Application in a Semiarid Area. <i>Environmental Management</i> , 2002, 30, 716-726.	1.2	24
76	Mapping groundwater quality variables using PCA and geostatistics: a case study of Bajo Andarax, southeastern Spain. <i>Hydrological Sciences Journal</i> , 2001, 46, 227-242.	1.2	70
77	Factors which determine the hydrogeochemical behaviour of karstic springs. A case study from the Betic Cordilleras, Spain. <i>Applied Geochemistry</i> , 2001, 16, 1179-1192.	1.4	111
78	Geochemistry of thermal springs, Alhama de Granada (southern Spain). <i>Applied Geochemistry</i> , 2001, 16, 1153-1163.	1.4	27
79	Intensive agriculture, wetlands, quarries and water management. A case study (Campo de Dalías, SE) <i>Tj ETQq1 1 0.784314 rgBT / Over</i>	1.2	35
80	Nitrates as indicators of aquifer interconnection. Application to the Campo de Dalías (SE - Spain). <i>Environmental Geology</i> , 2000, 39, 791-799.	1.2	39
81	Numerical analysis of hydrogeochemical data: a case study (Alto Guadalentán, southeast Spain). <i>Applied Geochemistry</i> , 2000, 15, 1053-1067.	1.4	29
82	El abastecimiento de agua en las ciudades del Mediterráneo. <i>Arbor</i> , 1999, 164, 253-269.	0.1	0
83	Hydrogeochemical Characteristics of Processes in the Temara Aquifer in Northwestern Morocco. <i>Water, Air, and Soil Pollution</i> , 1999, 114, 323-337.	1.1	32
84	Genesis and evolution of gypsum tumuli. , 1999, 24, 919-930.		25
85	The role of western Mediterranean tectonic evolution in the geometry of a karstic domain in the Betic Cordilleras (Sierra Gorda, Spain): Importance of a tardy extensional regime. <i>Geodinamica Acta</i> , 1999, 12, 11-24.	2.2	2
86	Boron and the origin of salinization in an aquifer in southeast Spain. <i>Comptes Rendus De L'Académie Des Sciences Earth &amp; Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 1999, 328, 751-757.	0.2	1
87	Hydrogeochemical processes in an arid region of Europe (Almeria, SE Spain). <i>Applied Geochemistry</i> , 1999, 14, 735-745.	1.4	69
88	Gypsum karst features as evidence of diapiric processes in the Betic Cordillera, Southern Spain. <i>Geomorphology</i> , 1999, 29, 251-264.	1.1	55
89	Geochemistry of thermomineral waters in the overexploited Alto Guadalentán aquifer (South-East) <i>Tj ETQq1 1 0.784314 rgBT / Over</i>	5.3	14
90	Application of Principal Components Analysis to the study of CO <sub>2</sub> -rich thermomineral waters in the aquifer system of Alto Guadalentán (Spain). <i>Hydrological Sciences Journal</i> , 1999, 44, 929-942.	1.2	28

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91	Groundwater problems in the karstic aquifers of the Dobrich region, northeastern Bulgaria. Hydrological Sciences Journal, 1999, 44, 913-927.	1.2	7
92	Matrix hydrogeological properties of Devonian carbonate rocks of Olkusz (Southern Poland). Journal of Hydrology, 1998, 211, 140-150.	2.3	19
93	Isotopic identification of CO <sub>2</sub> from a deep origin in thermomineral waters of southeastern Spain. Chemical Geology, 1998, 149, 251-258.	1.4	39
94	Potentialités hydrogéologiques d'une plaine littorale marocaine (Oued Laou, Tâtonan- Chefehaouen). Hydrological Sciences Journal, 1997, 42, 101-117.	1.2	2
95	Peculiar landforms in the gypsum karst of Sorbas (southeastern Spain). Carbonates and Evaporites, 1997, 12, 110-116.	0.4	19
96	Hydrogeology of the Upper Aquifer, Dobrich Region, Northeastern Bulgaria. Hydrogeology Journal, 1997, 5, 75-85.	0.9	2
97	Effects of geology and human activity on the dynamics of salt-water intrusion in three coastal aquifers in southern Spain. Environmental Geology, 1997, 30, 215-223.	1.2	64
98	Human impact in a tourist karstic cave (Aracena, Spain). Environmental Geology, 1997, 31, 142-149.	1.2	78
99	Contribution of environmental isotopes to the understanding of complex hydrologic systems. A case study: Sierra de Gador, SE Spain. Earth Surface Processes and Landforms, 1997, 22, 1157-1168.	1.2	40
100	Groundwater problems resulting from CO <sub>2</sub> pollution and overexploitation in Alto Guadalentán aquifer (Murcia, Spain). Environmental Geology, 1996, 28, 223-228.	1.2	37
101	THE ARMA MODELS APPLIED TO THE FLOW OF KARSTIC SPRINGS. Journal of the American Water Resources Association, 1996, 32, 917-928.	1.0	6
102	Some examples of gypsum karsts and the more important gypsum caves in Spain. International Journal of Speleology, 1996, 25, 225-237.	0.4	15
103	Hydrogeochemical effects of groundwater mining of the Sierra de Crevillente Aquifer (Alicante). Tj ETQq1 1 0.784314 rgBT /Overlock 17	1.2	17
104	Centuries of artificial recharge on the southern edge of the Sierra Nevada (Granada, Spain). Environmental Geology, 1995, 26, 57-63.	1.2	31
105	The discharge variability of some karst springs in Bulgaria studied by time series analysis. Hydrological Sciences Journal, 1995, 40, 517-532.	1.2	23
106	Study of hydrographs of karstic aquifers by means of correlation and cross-spectral analysis. Journal of Hydrology, 1995, 168, 73-89.	2.3	238
107	Relative Importance of Baseflow and Quickflow from Hydrographs of Karst Spring. Ground Water, 1994, 32, 267-277.	0.7	172
108	Modeling the Effects of Salt-Water Intrusion Dynamics for a Coastal Karstified Block Connected to a Detrital Aquifer. Ground Water, 1994, 32, 767-777.	0.7	55

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109	Saltwater intrusion into a small coastal aquifer (Rio Verde, Almuñécar, southern Spain). Journal of Hydrology, 1991, 129, 195-213.	2.3	29
110	The hydrogeological properties of the matrix of the chalk in the Lublin coal basin (southeast Poland). Hydrological Sciences Journal, 1990, 35, 523-534.	1.2	10
111	Karstic phenomena in calcareous-dolomitic rocks and their influence over the intrushes of water in lead-zinc mines in Olkusz region (South of Poland). International Journal of Mine Water, 1985, 4, 1-11.	0.2	8