

Antonio Pulido Bosch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1153313/publications.pdf>

Version: 2024-02-01

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	Study of hydrographs of karstic aquifers by means of correlation and cross-spectral analysis. Journal of Hydrology, 1995, 168, 73-89.	2.3	238
2	Seawater intrusion and associated processes in a small coastal complex aquifer (Castell de Ferro,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	209
3	Relative Importance of Baseflow and Quickflow from Hydrographs of Karst Spring. Ground Water, 1994, 32, 267-277.	0.7	172
4	Identification of the origin of salinization in groundwater using minor ions (Lower Andarax,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	3.9	142
5	Characterization of seawater intrusion using 2D electrical imaging. Near Surface Geophysics, 2009, 7, 377-390.	0.6	127
6	Automated monitoring of coastal aquifers with electrical resistivity tomography. Near Surface Geophysics, 2009, 7, 367-376.	0.6	116
7	Impact of irrigated agriculture on groundwater-recharge salinity: a major sustainability concern in semi-arid regions. Hydrogeology Journal, 2018, 26, 2781-2791.	0.9	112
8	Factors which determine the hydrogeochemical behaviour of karstic springs. A case study from the Betic Cordilleras, Spain. Applied Geochemistry, 2001, 16, 1179-1192.	1.4	111
9	Impacts of agricultural irrigation on groundwater salinity. Environmental Earth Sciences, 2018, 77, 1.	1.3	93
10	Strontium, SO_4^{2-}/Cl^- and Mg^{2+}/Ca^{2+} ratios as tracers for the evolution of seawater into coastal aquifers: the example of Castell de Ferro aquifer (SE Spain). Comptes Rendus - Geoscience, 2003, 335, 1039-1048.	0.4	83
11	Human impact in a tourist karstic cave (Aracena, Spain). Environmental Geology, 1997, 31, 142-149.	1.2	78
12	Using stable isotope analysis ($\delta^{18}O$) to characterise the regional hydrology of the Sierra de Gador, south east Spain. Journal of Hydrology, 2002, 265, 43-55.	2.3	71
13	Mapping groundwater quality variables using PCA and geostatistics: a case study of Bajo Andarax, southeastern Spain. Hydrological Sciences Journal, 2001, 46, 227-242.	1.2	70
14	Hydrogeochemical processes in an arid region of Europe (Almeria, SE Spain). Applied Geochemistry, 1999, 14, 735-745.	1.4	69
15	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
16	Hydrogeochemistry and geochemical simulations to assess water-rock interactions in complex carbonate aquifers: The case of Aguadulce (SE Spain). Applied Geochemistry, 2013, 29, 43-54.	1.4	62
17	Anthropization of groundwater resources in the Mediterranean region: processes and challenges. Hydrogeology Journal, 2017, 25, 1529-1547.	0.9	60
18	Estimating groundwater recharge induced by engineering systems in a semiarid area (southeastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	56

#	ARTICLE	IF	CITATIONS
19	Modeling the Effects of Salt-Water Intrusion Dynamics for a Coastal Karstified Block Connected to a Detrital Aquifer. <i>Ground Water</i> , 1994, 32, 767-777.	0.7	55
20	Gypsum karst features as evidence of diapiric processes in the Betic Cordillera, Southern Spain. <i>Geomorphology</i> , 1999, 29, 251-264.	1.1	55
21	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
22	Recharge to mountainous carbonated aquifers in SE Spain: Different approaches and new challenges. <i>Journal of Arid Environments</i> , 2011, 75, 1262-1270.	1.2	49
23	Evolution of the gypsum karst of Sorbas (SE Spain). <i>Geomorphology</i> , 2003, 50, 173-180.	1.1	45
24	Assessment of groundwater vulnerability and quality in coastal aquifers: a case study (Tipaza, North) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.6	44
25	Contribution of environmental isotopes to the understanding of complex hydrologic systems. A case study: Sierra de Gador, SE Spain. <i>Earth Surface Processes and Landforms</i> , 1997, 22, 1157-1168.	1.2	40
26	Hydrogeochemical processes in the vicinity of a desalination plant (Cabo de Gata, SE Spain). <i>Desalination</i> , 2011, 277, 338-347.	4.0	40
27	Isotopic identification of CO ₂ from a deep origin in thermomineral waters of southeastern Spain. <i>Chemical Geology</i> , 1998, 149, 251-258.	1.4	39
28	Nitrates as indicators of aquifer interconnection. Application to the Campo de Dal�as (SE - Spain). <i>Environmental Geology</i> , 2000, 39, 791-799.	1.2	39
29	Groundwater problems resulting from CO ₂ pollution and overexploitation in Alto Guadalent�n aquifer (Murcia, Spain). <i>Environmental Geology</i> , 1996, 28, 223-228.	1.2	37
30	ArcGeomorphometry: A toolbox for geomorphometric characterisation of DEMs in the ArcGIS environment. <i>Computers and Geosciences</i> , 2015, 85, 155-163.	2.0	37
31	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
32	Intensive agriculture, wetlands, quarries and water management. A case study (Campo de Dalias, SE) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.2	35
33	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
34	Identification of a Holocene aquifer�lagoon system using hydrogeochemical data. <i>Quaternary Research</i> , 2014, 82, 121-131.	1.0	32
35	Centuries of artificial recharge on the southern edge of the Sierra Nevada (Granada, Spain). <i>Environmental Geology</i> , 1995, 26, 57-63.	1.2	31
36	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

#	ARTICLE	IF	CITATIONS
37	Environmental and hydrogeological problems in karstic terrains crossed by tunnels: a case study. <i>Environmental Geology</i> , 2009, 58, 347-357.	1.2	30
38	Saltwater intrusion into a small coastal aquifer (Rio Verde, Almuñecar, southern Spain). <i>Journal of Hydrology</i> , 1991, 129, 195-213.	2.3	29
39	Numerical analysis of hydrogeochemical data: a case study (Alto Guadalentín, southeast Spain). <i>Applied Geochemistry</i> , 2000, 15, 1053-1067.	1.4	29
40	Hydrological implications of desertification in southeastern Spain /<i>Implications hydrologiques de la désertification dans le sud-est de l'Espagne</i>. <i>Hydrological Sciences Journal</i> , 2007, 52, 1146-1161.	1.2	29
41	Application of Principal Components Analysis to the study of CO ₂ -rich thermomineral waters in the aquifer system of Alto Guadalentín (Spain). <i>Hydrological Sciences Journal</i> , 1999, 44, 929-942.	1.2	28
42	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
43	Geochemistry of thermal springs, Alhama de Granada (southern Spain). <i>Applied Geochemistry</i> , 2001, 16, 1153-1163.	1.4	27
44	Multi-objective, multiple participant decision support for water management in the Andarax catchment, Almeria. <i>Environmental Geology</i> , 2008, 54, 479-489.	1.2	26
45	Origin of water salinity in a lake and coastal aquifer system. <i>Environmental Geology</i> , 2008, 54, 565-573.	1.2	26
46	Genesis and evolution of gypsum tumuli. , 1999, 24, 919-930.		25
47	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
48	U-isotopes and ²²⁶ 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
49	The discharge variability of some karst springs in Bulgaria studied by time series analysis. <i>Hydrological Sciences Journal</i> , 1995, 40, 517-532.	1.2	23
50	Simple procedure to simulate karstic aquifers. <i>Hydrological Processes</i> , 2008, 22, 1876-1884.	1.1	23
51	Recharge estimation of a small karstic aquifer in a semiarid Mediterranean region (southeastern Tj ETQq1 1 0.784314 rgBT /Qyerlock 11 23		
52	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
53	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
54	The anthropogenic impact on Mediterranean karst aquifers: cases of some Spanish aquifers. <i>Environmental Earth Sciences</i> , 2015, 74, 185-198.	1.3	20

#	ARTICLE	IF	CITATIONS
55	Peculiar landforms in the gypsum karst of Sorbas (southeastern Spain). Carbonates and Evaporites, 1997, 12, 110-116.	0.4	19
56	Matrix hydrogeological properties of Devonian carbonate rocks of Olkusz (Southern Poland). Journal of Hydrology, 1998, 211, 140-150.	2.3	19
57	Methodologies for abstraction from coastal aquifers for supplying desalination plants in the south-east of Spain. Desalination, 2009, 249, 1088-1098.	4.0	19
58	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
59	Influence of the paleogeographic evolution on the groundwater salinity in a coastal aquifer. Cabo de Gata aquifer, SE Spain. Journal of Hydrology, 2018, 557, 55-66.	2.3	19
60	Identification of hydrogeochemical process linked to marine intrusion induced by pumping of a semiconfined mediterranean coastal aquifer. International Journal of Environmental Science and Technology, 2013, 10, 63-76.	1.8	18
61	Hydrogeochemical effects of groundwater mining of the Sierra de Crevillente Aquifer (Alicante, Spain). Journal of Hydrology, 2014, 517, 1-14.	1.2	17
62	Geometry and dynamics of the freshwater-seawater interface in a coastal aquifer in southeastern Spain. Hydrological Sciences Journal, 2006, 51, 543-555.	1.2	17
63	Using ion and isotope characterization to delimitate a hydrogeological macrosystem. Sierra de Gádor (SE, Spain). Journal of Geochemical Exploration, 2015, 155, 14-25.	1.5	17
64	Anthropic-induced salinization in a dolomite coastal aquifer. Hydrogeochemical processes. Journal of Geochemical Exploration, 2020, 209, 106438.	1.5	17
65	Identification of potential subsidence related to pumping in the Almería basin (SE Spain). Hydrological Processes, 2012, 26, 731-740.	1.1	16
66	Application of Multivariate Statistical Techniques for Characterization of Groundwater Quality in the Coastal Aquifer of Nador, Tipaza (Algeria). Acta Geophysica, 2016, 64, 670-693.	1.0	16
67	The Role of Aquifer Media in Improving the Quality of Seawater Feed to Desalination Plants. Water Resources Management, 2013, 27, 1377-1392.	1.9	15
68	A parsimonious distributed model for simulating transient water flow in a high-relief karst aquifer. Hydrogeology Journal, 2018, 26, 2617-2627.	0.9	15
69	Some examples of gypsum karsts and the more important gypsum caves in Spain. International Journal of Speleology, 1996, 25, 225-237.	0.4	15
70	Geochemistry of thermomineral waters in the overexploited Alto Guadalentín aquifer (South-East Spain). Journal of Hydrology, 2010, 381, 1-14.	9.3	14
71	Matrix hydrodynamic properties of carbonate rocks from the Betic Cordillera (Spain). Hydrological Processes, 2004, 18, 2893-2906.	1.1	14
72	Geostatistical Analysis to Identify Hydrogeochemical Processes in Complex Aquifers: A Case Study (Aguadulce Unit, Almería, SE Spain). Ambio, 2008, 37, 249-253.	2.8	14

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Origin of boron from a complex aquifer in southeast of Spain. <i>Environmental Geology</i> , 2003, 44, 301-307.	1.2	13
76	A monitoring programme for 1,3-dichloropropene and metabolites in groundwater in five EU countries. <i>Pest Management Science</i> , 2008, 64, 923-932.	1.7	13
77	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
78	Groundwater Temperature as an Indicator of the Vulnerability of Karst Coastal Aquifers. <i>Geosciences (Switzerland)</i> , 2019, 9, 23.	1.0	13
79	Impact of quarrying gypsum in a semidesert karstic area (Sorbas, SE Spain). <i>Environmental Geology</i> , 2004, 46, 583.	1.2	11
80	The hydrogeological properties of the matrix of the chalk in the Lublin coal basin (southeast Poland). <i>Hydrological Sciences Journal</i> , 1990, 35, 523-534.	1.2	10
81	A GIS tool for modelling annual diffuse infiltration on a plot scale. <i>Computers and Geosciences</i> , 2013, 54, 318-325.	2.0	9
82	Geochemical simulations to assess the fluorine origin in Sierra de Gador groundwater (SE Spain). <i>Geofluids</i> , 2013, 13, 194-203.	0.3	9
83	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
84	Karstic phenomena in calcareous-dolomitic rocks and their influence over the intrushes of water in lead-zinc mines in Olkusz region (South of Poland). <i>International Journal of Mine Water</i> , 1985, 4, 1-11.	0.2	8
85	Gypsum karst in the Betic Cordillera (south Spain). <i>Carbonates and Evaporites</i> , 2002, 17, 134-141.	0.4	8
86	Gypsum karst evolution in a diapir: a case study (Pinoso, Alicante, Spain). <i>Environmental Earth Sciences</i> , 2010, 59, 1057-1063.	1.3	8
87	Groundwater problems in the karstic aquifers of the Dobrich region, northeastern Bulgaria. <i>Hydrological Sciences Journal</i> , 1999, 44, 913-927.	1.2	7
88	ArcE: A GIS tool for modelling actual evapotranspiration. <i>Computers and Geosciences</i> , 2011, 37, 1468-1475.	2.0	7
89	THE ARMA MODELS APPLIED TO THE FLOW OF KARSTIC SPRINGS. <i>Journal of the American Water Resources Association</i> , 1996, 32, 917-928.	1.0	6
90	Interaction of aquifer "wetland" in a zone of intensive agriculture: the case of Campo de Dalías (Almería, SE Spain). <i>Environmental Earth Sciences</i> , 2015, 73, 2869-2880.	1.3	6

#	ARTICLE	IF	CITATIONS
91	Hazard and risk intensity maps for water-bearing units: a case study. International Journal of Environmental Science and Technology, 2018, 15, 173-184.	1.8	6
92	Groundwater Sustainability Strategies in the Sierra de Gador-Campo de Dalias System, Southeast Spain. Water (Switzerland), 2020, 12, 3262.	1.2	6
93	Salinisation de lâ€™aquifÃ©re libre de la Chaouia cÃ©tiÃ©re (Azemmour-Tnine Chtouka), Maroc. Hydrological Sciences Journal, 2017, 62, 749-759.	1.2	5
94	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
95	Overexploitation and water quality in the Crevillente aquifer (Alicante, SE Spain). WIT Transactions on Ecology and the Environment, 2008, , .	0.0	4
96	Impact of Mine Leachates on a Carbonate Aquifer (SE Spain). Mine Water and the Environment, 2021, 40, 225-234.	0.9	3
97	Influence of Triassic deposits on water quality of some karstic aquifers to the south of Alicante (Spain). Estudios GeolÃ³gicos, 2010, 66, 131-138.	0.7	3
98	PotentialitÃ©s hydrogÃ©ologiques d'une plaine littorale marocaine (Oued Laou, TÃ©toutouan- Chefehaouen). Hydrological Sciences Journal, 1997, 42, 101-117.	1.2	2
99	Hydrogeology of the Upper Aquifer, Dobrich Region, Northeastern Bulgaria. Hydrogeology Journal, 1997, 5, 75-85.	0.9	2
100	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. Geodinamica Acta, 1999, 12, 11-24.	2.2	2
101	Resources Assessment of a Small Karstic Mediterranean Aquifer (South-Eastern, Spain). Environmental Earth Sciences, 2010, , 13-18.	0.1	2
102	Boron and the origin of salinization in an aquifer in southeast Spain. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ©tes =, 1999, 328, 751-757.	0.2	1
103	Numerical modelling of a forced gradient tracer test undertaken under non-ideal conditions. Quarterly Journal of Engineering Geology and Hydrogeology, 2016, 49, 183-190.	0.8	1
104	Principles of Karst Hydrogeology. Springer Textbooks in Earth Sciences, Geography and Environment, 2021, , .	0.1	1
105	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
106	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
107	El abastecimiento de agua en las ciudades del MediterrÃ¡neo. Arbor, 1999, 164, 253-269.	0.1	0
108	Constraining Geostatistical Simulations of Delta Hydrofacies by Using Machine Correlation. Quantitative Geology and Geostatistics, 2017, , 893-907.	0.1	0

#	ARTICLE	IF	CITATIONS
109	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
110	Some aspects of the functioning of careos determined by tracer experiments: Example of La Alpujarra (Spain). , 2020, , 431-434.		0
111	Time Series Analyses. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2021, , 147-193.	0.1	0