

# ValentÃ- Rodellas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5218275/publications.pdf>

Version: 2024-02-01

45  
papers

2,156  
citations

236925

25  
h-index

233421

45  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2016  
citing authors

#	ARTICLE	IF	CITATIONS
1	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223.	3.3	257
2	Submarine groundwater discharge as a major source of nutrients to the Mediterranean Sea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3926-3930.	7.1	247
3	Submarine groundwater discharge impacts on coastal nutrient biogeochemistry. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 307-323.	29.7	210
4	Submarine groundwater discharge as a source of nutrients and trace metals in a Mediterranean bay (Palma Beach, Balearic Islands). <i>Marine Chemistry</i> , 2014, 160, 56-66.	2.3	103
5	Using the radium quartet to quantify submarine groundwater discharge and porewater exchange. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 58-73.	3.9	84
6	Groundwater and nutrient discharge through karstic coastal springs (&lt;i>Castellón, Spain). <i>Biogeosciences</i> , 2010, 7, 2625-2638.	3.3	74
7	Quantifying Surface Water, Porewater, and Groundwater Interactions Using Tracers: Tracer Fluxes, Water Fluxes, and End-member Concentrations. <i>Water Resources Research</i> , 2018, 54, 2452-2465.	4.2	64
8	Groundwater-driven nutrient inputs to coastal lagoons: The relevance of lagoon water recirculation as a conveyor of dissolved nutrients. <i>Science of the Total Environment</i> , 2018, 642, 764-780.	8.0	64
9	Contribution of Groundwater Discharge to the Coastal Dissolved Nutrients and Trace Metal Concentrations in Majorca Island: Karstic vs Detrital Systems. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11819-11827.	10.0	60
10	Constraining the temporal variations of Ra isotopes and Rn in the groundwater end-member: Implications for derived SGD estimates. <i>Science of the Total Environment</i> , 2017, 595, 849-857.	8.0	56
11	Submarine groundwater discharge: A significant source of dissolved trace metals to the North Western Mediterranean Sea. <i>Marine Chemistry</i> , 2016, 186, 90-100.	2.3	54
12	Radium isotopes as submarine groundwater discharge (SGD) tracers: Review and recommendations. <i>Earth-Science Reviews</i> , 2021, 220, 103681.	9.1	51
13	Evaluation of <sup>224</sup> Ra as a tracer for submarine groundwater discharge in Long Island Sound (NY). <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 314-330.	3.9	49
14	Quantifying groundwater discharge from different sources into a Mediterranean wetland by using <sup>222</sup> Rn and Ra isotopes. <i>Journal of Hydrology</i> , 2012, 466-467, 11-22.	5.4	48
15	Assessing submarine groundwater discharge (SGD) and nitrate fluxes in highly heterogeneous coastal karst aquifers: Challenges and solutions. <i>Journal of Hydrology</i> , 2018, 557, 222-242.	5.4	48
16	Karstic submarine groundwater discharge into the Mediterranean: Radon-based nutrient fluxes in an anchialine cave and a basin-wide upscaling. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 268, 467-484.	3.9	40
17	The influence of a metal-enriched mining waste deposit on submarine groundwater discharge to the coastal sea. <i>Marine Chemistry</i> , 2016, 178, 35-45.	2.3	39
18	The influence of sediment sources on radium-derived estimates of Submarine Groundwater Discharge. <i>Marine Chemistry</i> , 2015, 171, 107-117.	2.3	38

#	ARTICLE	IF	CITATIONS
19	The microbial dimension of submarine groundwater discharge: current challenges and future directions. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	38
20	Conceptual uncertainties in groundwater and porewater fluxes estimated by radon and radium mass balances. <i>Limnology and Oceanography</i> , 2021, 66, 1237-1255.	3.1	36
21	Exchange across the sediment-water interface quantified from porewater radon profiles. <i>Journal of Hydrology</i> , 2018, 559, 873-883.	5.4	35
22	A comparison between water circulation and terrestrially-driven dissolved silica fluxes to the Mediterranean Sea traced using radium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 496-515.	3.9	35
23	Assessing the role of submarine groundwater discharge as a source of Sr to the Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 42-54.	3.9	32
24	Submarine groundwater discharge: Natural radioactivity accumulation in a wetland ecosystem. <i>Marine Chemistry</i> , 2013, 156, 61-72.	2.3	30
25	Combining fiber optic DTS, cross-hole ERT and time-lapse induction logging to characterize and monitor a coastal aquifer. <i>Journal of Hydrology</i> , 2020, 588, 125050.	5.4	30
26	Remobilization of dissolved metals from a coastal mine tailing deposit driven by groundwater discharge and porewater exchange. <i>Science of the Total Environment</i> , 2019, 688, 1359-1372.	8.0	25
27	The social implications of Submarine Groundwater Discharge from an Ecosystem Services perspective: A systematic review. <i>Earth-Science Reviews</i> , 2021, 221, 103742.	9.1	25
28	Primary production in coastal lagoons supported by groundwater discharge and porewater fluxes inferred from nitrogen and carbon isotope signatures. <i>Marine Chemistry</i> , 2019, 210, 48-60.	2.3	23
29	Understanding the spatio-temporal variability of phytoplankton biomass distribution in a microtidal Mediterranean estuary. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 101, 180-192.	1.4	22
30	Influence of submarine groundwater discharge on <sup>210</sup> Po and <sup>210</sup> Pb bioaccumulation in fish tissues. <i>Journal of Environmental Radioactivity</i> , 2016, 155-156, 46-54.	1.7	21
31	Temporal variability of lagoon's sea water exchange and seawater circulation through a Mediterranean barrier beach. <i>Limnology and Oceanography</i> , 2019, 64, 2059-2080.	3.1	20
32	Enhanced Growth Rates of the Mediterranean Mussel in a Coastal Lagoon Driven by Groundwater Inflow. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	20
33	Delineating coastal groundwater discharge processes in a wetland area by means of electrical resistivity imaging. <sup>224</sup> Ra and <sup>222</sup> Rn. <i>Hydrological Processes</i> , 2014, 28, 2382-2395.	2.6	19
34	A multidisciplinary approach to characterizing coastal alluvial aquifers to improve understanding of seawater intrusion and submarine groundwater discharge. <i>Journal of Hydrology</i> , 2022, 607, 127510.	5.4	19
35	Groundwater discharge as a driver of methane emissions from Arctic lakes. <i>Nature Communications</i> , 2022, 13, .	12.8	18
36	Submarine groundwater discharge at Forsmark, Gulf of Bothnia, provided by Ra isotopes. <i>Marine Chemistry</i> , 2017, 196, 162-172.	2.3	17

#	ARTICLE	IF	CITATIONS
37	Guidelines and Limits for the Quantification of Ra Isotopes and Related Radionuclides With the Radium Delayed Coincidence Counter (RaDeCC). <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015544.	2.6	16
38	<sup>226</sup> Ra determination via the rate of <sup>222</sup> Rn ingrowth with the Radium Delayed Coincidence Counter (RaDeCC). <i>Limnology and Oceanography: Methods</i> , 2013, 11, 594-603.	2.0	15
39	New perspectives on the use of <sup>224</sup> Ra/ <sup>228</sup> Ra and <sup>222</sup> Rn/ <sup>226</sup> Ra activity ratios in groundwater studies. <i>Journal of Hydrology</i> , 2021, 596, 126043.	5.4	13
40	Intertidal percolation through beach sands as a source of <sup>224,223</sup> Ra to Long Island Sound, New York, and Connecticut, United States. <i>Journal of Marine Research</i> , 2015, 73, 123-140.	0.3	12
41	Seasonal variation and sources of dissolved trace metals in Ma <sup>3</sup> Harbour, Minorca Island. <i>Science of the Total Environment</i> , 2016, 565, 191-199.	8.0	12
42	A multi-method approach for groundwater resource assessment in coastal carbonate (karst) aquifers: the case study of Sierra Almirajara (southern Spain). <i>Hydrogeology Journal</i> , 2018, 26, 41-56.	2.1	11
43	Temporal variations in porewater fluxes to a coastal lagoon driven by wind waves and changes in lagoon water depths. <i>Journal of Hydrology</i> , 2020, 581, 124363.	5.4	11
44	Radium Mass Balance Sensitivity Analysis for Submarine Groundwater Discharge Estimation in Semi-Enclosed Basins: The Case Study of Long Island Sound. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	8
45	Closing the Global Marine <sup>226</sup> Ra Budget Reveals the Biological Pump as a Dominant Removal Flux in the Upper Ocean. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7