

Jean-Louis Pinault

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

884
citations

567281

15
h-index

477307

29
g-index

39
all docs

39
docs citations

39
times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal processing of soil gas radon, atmospheric pressure, moisture, and soil temperature data: A new approach for radon concentration modeling. <i>Journal of Geophysical Research</i> , 1996, 101, 3157-3171.	3.3	102
2	Tracer testing of the geothermal heat exchanger at Soultz-sous-Forêts (France) between 2000 and 2005. <i>Geothermics</i> , 2006, 35, 622-653.	3.4	96
3	Inverse modeling of the hydrological and the hydrochemical behavior of hydrosystems: Characterization of Karst System Functioning. <i>Water Resources Research</i> , 2001, 37, 2191-2204.	4.2	94
4	A conceptual hydrogeological model of ophiolite hard-rock aquifers in Oman based on a multiscale and a multidisciplinary approach. <i>Hydrogeology Journal</i> , 2005, 13, 708-726.	2.1	77
5	Signal processing of diurnal and semidiurnal variations in radon and atmospheric pressure: A new tool for accurate in situ measurement of soil gas velocity, pressure gradient, and tortuosity. <i>Journal of Geophysical Research</i> , 1997, 102, 18101-18120.	3.3	65
6	Groundwater-induced flooding in macropore-dominated hydrological system in the context of climate changes. <i>Water Resources Research</i> , 2005, 41, .	4.2	63
7	Inverse modeling of the hydrological and the hydrochemical behavior of hydrosystems: Application to nitrate transport and denitrification. <i>Water Resources Research</i> , 2001, 37, 2179-2190.	4.2	40
8	Comparison of methods for the detection and extrapolation of trends in groundwater quality. <i>Journal of Environmental Monitoring</i> , 2009, 11, 2030.	2.1	38
9	Characterizing a coastal karst aquifer using an inverse modeling approach: The saline springs of Thau, southern France. <i>Water Resources Research</i> , 2004, 40, .	4.2	33
10	Regions Subject to Rainfall Oscillation in the 5-10 Year Band. <i>Climate</i> , 2018, 6, 2.	2.8	20
11	FT-ICR with laser ablation and AMS combined with X-ray detection, applied to the measurement of long-lived radionuclides from fission or activation: preliminary results. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993, 79, 617-619.	1.4	17
12	Application of AMS and inverse PIXE to the study of radioactive waste management problems. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994, 92, 227-230.	1.4	17
13	Global warming and rainfall oscillation in the 5-10 yr band in Western Europe and Eastern North America. <i>Climatic Change</i> , 2012, 114, 621-650.	3.6	17
14	Radon 222 Emanometry: A relevant methodology for water well siting in hard rock aquifers. <i>Water Resources Research</i> , 2001, 37, 3131-3146.	4.2	16
15	Accurate determination of lithium, boron, fluorine and sodium in some matrices using low energy alpha-particles induced gamma-rays. <i>Journal of Radioanalytical Chemistry</i> , 1980, 56, 185-198.	0.5	15
16	Inverse modeling for characterizing surface water/groundwater exchanges. <i>Water Resources Research</i> , 2006, 42, .	4.2	15
17	The Anticipation of the ENSO: What Resonantly Forced Baroclinic Waves Can Teach Us (Part II). <i>Journal of Marine Science and Engineering</i> , 2018, 6, 63.	2.6	15
18	Long Wave Resonance in Tropical Oceans and Implications on Climate: The Pacific Ocean. <i>Pure and Applied Geophysics</i> , 2016, 173, 2119-2145.	1.9	14

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19	Modulated Response of Subtropical Gyres: Positive Feedback Loop, Subharmonic Modes, Resonant Solar and Orbital Forcing. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 107.	2.6	14
20	Anticipation of ENSO: what teach us the resonantly forced baroclinic waves. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2016, 110, 518-528.	1.2	13
21	Anthropogenic and Natural Radiative Forcing: Positive Feedbacks. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 146.	2.6	11
22	La contribution des eaux souterraines aux crues exceptionnelles de la Somme en 2001 Observations, hypothèses, modélisation. <i>Houille Blanche</i> , 2003, 89, 112-122.	0.3	11
23	Long Wave Resonance in Tropical Oceans and Implications on Climate: the Atlantic Ocean. <i>Pure and Applied Geophysics</i> , 2013, 170, 1913-1930.	1.9	10
24	Resonantly Forced Baroclinic Waves in the Oceans: Subharmonic Modes. <i>Journal of Marine Science and Engineering</i> , 2018, 6, 78.	2.6	10
25	Regionalization of rainfall for broad-scale modeling: An inverse approach. <i>Water Resources Research</i> , 2007, 43, .	4.2	6
26	Stationary and non-stationary autoregressive processes with external inputs for predicting trends in water quality. <i>Journal of Contaminant Hydrology</i> , 2008, 100, 22-29.	3.3	6
27	Resonance of baroclinic waves in the tropical oceans: The Indian Ocean and the far western Pacific. <i>Dynamics of Atmospheres and Oceans</i> , 2020, 89, 101119.	1.8	6
28	Resonant Forcing of the Climate System in Subharmonic Modes. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 60.	2.6	6
29	Resonantly Forced Baroclinic Waves in the Oceans: A New Approach to Climate Variability. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 13.	2.6	6
30	A methodological approach to characterize the resilience of aquatic ecosystems with application to Lake Annecy, France. <i>Water Resources Research</i> , 2007, 43, .	4.2	5
31	Morlet Cross-Wavelet Analysis of Climatic State Variables Expressed as a Function of Latitude, Longitude, and Time: New Light on Extreme Events. <i>Mathematical and Computational Applications</i> , 2022, 27, 50.	1.3	5
32	Use of new spectral analysis methods in gamma spectra deconvolution. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1991, 305, 462-474.	1.6	4
33	The optimization of gamma spectra processing in prompt gamma neutron activation analysis (PGNAA). <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 1139-1148.	1.4	4
34	The Moist Adiabatic, Key of the Climate Response to Anthropogenic Forcing. <i>Climate</i> , 2020, 8, 45.	2.8	4
35	What Speleothems Tell Us about Long-Term Rainfall Oscillation throughout the Holocene on a Planetary Scale. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 853.	2.6	4
36	A Review of the Role of the Oceanic Rossby Waves in Climate Variability. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 493.	2.6	4

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37	Glaciers and Paleorecords Tell Us How Atmospheric Circulation Changes and Successive Cooling Periods Occurred in the Fennoscandia during the Holocene. Journal of Marine Science and Engineering, 2021, 9, 832.	2.6	1
38	Perspectives of application of quantitative television microscopy to earth sciences. Journal of Microscopy, 1972, 95, 357-365.	1.8	0