

# Valrie Daux

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65  
papers

2,330  
citations

25  
h-index

47  
g-index

67  
ext. papers

2,593  
ext. citations

4.8  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
65	Historical phenology: grape ripening as a past climate indicator. <i>Nature</i> , <b>2004</b> , 432, 289-90	50.4	304
64	Water-use efficiency and transpiration across European forests during the Anthropocene. <i>Nature Climate Change</i> , <b>2015</b> , 5, 579-583	21.4	271
63	Oxygen isotope fractionation between human phosphate and water revisited. <i>Journal of Human Evolution</i> , <b>2008</b> , 55, 1138-47	3.1	221
62	Kinetic aspects of basaltic glass dissolution at 90°C: role of aqueous silicon and aluminium. <i>Chemical Geology</i> , <b>1997</b> , 142, 109-126	4.2	139
61	Dissolution rate of a basalt glass in silica-rich solutions: Implications for long-term alteration. <i>Geochimica Et Cosmochimica Acta</i> , <b>1994</b> , 58, 4875-4886	5.5	99
60	Climate response to the Samalas volcanic eruption in 1257 revealed by proxy records. <i>Nature Geoscience</i> , <b>2017</b> , 10, 123-128	18.3	80
59	Geochemical evolution of basaltic rocks subjected to weathering: Fate of the major elements, rare earth elements, and thorium. <i>Geochimica Et Cosmochimica Acta</i> , <b>1994</b> , 58, 4941-4954	5.5	75
58	Reconstruction of past precipitation $\delta^{18}O$ using tree-ring cellulose $\delta^{18}O$ and $\delta^{13}C$ : A calibration study near Lac d'Annecy, France. <i>Earth and Planetary Science Letters</i> , <b>2006</b> , 243, 439-448	5.3	74
57	High-precision determination of $18O/16O$ ratios of silver phosphate by EA-pyrolysis-IRMS continuous flow technique. <i>Journal of Mass Spectrometry</i> , <b>2007</b> , 42, 36-41	2.2	64
56	Pleistocene seasonal temperature variations recorded in the $\delta^{18}O$ of <i>Bison priscus</i> teeth. <i>Earth and Planetary Science Letters</i> , <b>2009</b> , 283, 133-143	5.3	59
55	Sampling strategy and climatic implications of tree-ring stable isotopes on the southeast Tibetan Plateau. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 301, 307-316	5.3	52
54	Can climate variations be inferred from tree-ring parameters and stable isotopes from <i>Larix decidua</i> ? Juvenile effects, budmoth outbreaks, and divergence issue. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 309, 221-233	5.3	52
53	A bi-proxy reconstruction of Fontainebleau (France) growing season temperature from A.D. 1596 to 2000. <i>Climate of the Past</i> , <b>2008</b> , 4, 91-106	3.9	52
52	Tree age, site and climate controls on tree ring cellulose $\delta^{18}O$ : A case study on oak trees from south-western France. <i>Dendrochronologia</i> , <b>2014</b> , 32, 78-89	2.8	46
51	Oxygen Isotope Composition Of Human Teeth And The Record Of Climate Changes In France (Lorraine) During The Last 1700 Years. <i>Climatic Change</i> , <b>2005</b> , 70, 445-464	4.5	45
50	An open-access database of grape harvest dates for climate research: data description and quality assessment. <i>Climate of the Past</i> , <b>2012</b> , 8, 1403-1418	3.9	43
49	Carbon and oxygen isotope fractionations between aragonite and calcite of shells from modern molluscs. <i>Chemical Geology</i> , <b>2012</b> , 332-333, 92-101	4.2	37

48	Reconstruction of southeast Tibetan Plateau summer climate using tree ring &sup>18&/sup>O moisture variability over the past two centuries. <i>Climate of the Past</i> , <b>2012</b> , 8, 205-213	3.9	37
47	Summer maximum temperature in northern France over the past century: instrumental data versus multiple proxies (tree-ring isotopes, grape harvest dates and forest fires). <i>Climatic Change</i> , <b>2009</b> , 94, 429-456	4.5	37
46	Grapevine harvest dates in Besançon (France) between 1525 and 1847: Social outcomes or climatic evidence?. <i>Climatic Change</i> , <b>2011</b> , 104, 703-727	4.5	35
45	French summer droughts since 1326 CE: a reconstruction based on tree ring cellulose &i>&/i> &sup>18&/sup>O. <i>Climate of the Past</i> , <b>2016</b> , 12, 1101-1117	3.9	35
44	Temporal changes in climatic limitation of tree-growth at upper treeline forests: Contrasted responses along the west-to-east humidity gradient in Northern Patagonia. <i>Dendrochronologia</i> , <b>2015</b> , 36, 49-59	2.8	33
43	Historical changes in the stomatal limitation of photosynthesis: empirical support for an optimality principle. <i>New Phytologist</i> , <b>2020</b> , 225, 2484-2497	9.8	28
42	Improvement of isotope-based climate reconstructions in Patagonia through a better understanding of climate influences on isotopic fractionation in tree rings. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 459, 372-380	5.3	25
41	Unprecedented recent warming rate and temperature variability over the east Tibetan Plateau inferred from Alpine treeline dendrochronology. <i>Climate Dynamics</i> , <b>2015</b> , 45, 1367-1380	4.2	24
40	Carbon, nitrogen and oxygen isotope fractionation during food cooking: Implications for the interpretation of the fossil human record. <i>American Journal of Physical Anthropology</i> , <b>2017</b> , 163, 759-771 <sup>2.5</sup>	2.5	23
39	Impact of precipitation intermittency on NAO-temperature signals in proxy records. <i>Climate of the Past</i> , <b>2013</b> , 9, 871-886	3.9	23
38	Spatio-temporal patterns of tree growth as related to carbon isotope fractionation in European forests under changing climate. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 1295-1309	6.1	22
37	An inverse modeling approach for tree-ring-based climate reconstructions under changing atmospheric CO <sub>2</sub> concentrations. <i>Biogeosciences</i> , <b>2014</b> , 11, 3245-3258	4.6	20
36	An unstable tree-growth response to climate in two 500 year chronologies, North Eastern Qinghai-Tibetan Plateau. <i>Dendrochronologia</i> , <b>2010</b> , 28, 225-237	2.8	18
35	Modelling tree ring cellulose &i>&/i> &sup>18&/sup>O variations in two temperature-sensitive tree species from North and South America. <i>Climate of the Past</i> , <b>2017</b> , 13, 1515-1526	3.9	16
34	Past Summer Temperatures Inferred From Dendrochronological Records of <i>Fitzroya cupressoides</i> on the Eastern Slope of the Northern Patagonian Andes. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 32-45	3.7	16
33	Are the oxygen isotopic compositions of <i>Fitzroya cupressoides</i> and <i>Nothofagus pumilio</i> cellulose promising proxies for climate reconstructions in northern Patagonia?. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2016</b> , 121, 767-776	3.7	16
32	Behaviour of rare earth elements during seawater/basalt interactions in the Mururoa Massif. <i>Chemical Geology</i> , <b>1999</b> , 158, 21-35	4.2	15
31	Comparisons of the Performance of $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ of <i>Fagus sylvatica</i> , <i>Pinus sylvestris</i> , and <i>Quercus petraea</i> in the Record of Past Climate Variations. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 1145-1160	3.7	13

30	Oxygen isotope fractionation between bird eggshell calcite and body water: application to fossil eggs from Lanzarote (Canary Islands). <i>Die Naturwissenschaften</i> , <b>2016</b> , 103, 81	2	13
29	Continental atmospheric circulation over Europe during the Little Ice Age inferred from grape harvest dates. <i>Climate of the Past</i> , <b>2012</b> , 8, 577-588	3.9	13
28	Stable oxygen isotope evidence for mobility in medieval and post-medieval Trondheim, Norway. <i>Journal of Archaeological Science: Reports</i> , <b>2016</b> , 8, 416-425	0.7	13
27	Three individuals, three stories, three burials from medieval Trondheim, Norway. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180277	3.7	11
26	Stable carbon and oxygen isotope compositions of invertebrate carbonate shells and the reconstruction of paleotemperatures and paleosalinities: A case study of the early Pleistocene of Rhodes, Greece. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 350-352, 39-48	2.9	11
25	The climate in Burgundy and elsewhere, from the fourteenth to the twentieth century. <i>Interdisciplinary Science Reviews</i> , <b>2008</b> , 33, 10-24	0.7	7
24	Western European climate, and Pinot noir grape harvest dates in Burgundy, France, since the 17th century. <i>Climate Research</i> , <b>2011</b> , 46, 243-253	1.6	7
23	Le climat de Bourgogne et d'ailleurs (XIVe-XXe siècle). <i>Histoire, Economie Et Societe</i> , <b>2006</b> , 25, 421-436	1.2	7
22	A triple tree-ring constraint for tree growth and physiology in a global land surface model. <i>Biogeosciences</i> , <b>2021</b> , 18, 3781-3803	4.6	7
21	Different climate sensitivity for radial growth, but uniform for tree-ring stable isotopes along an aridity gradient in <i>Polylepis tarapacana</i> , the world's highest elevation tree species. <i>Tree Physiology</i> , <b>2021</b> , 41, 1353-1371	4.2	7
20	Tsunami sedimentary deposits of Crete records climate during the Minoan Warming Period (3350 yr BP). <i>Holocene</i> , <b>2018</b> , 28, 914-929	2.6	6
19	An open-database of Grape Harvest dates for climate research: data description and quality assessment <b>2011</b> ,		6
18	The response of relative humidity to centennial-scale warming over the southeastern Tibetan Plateau inferred from tree-ring width chronologies. <i>Climate Dynamics</i> , <b>2018</b> , 51, 3735-3746	4.2	5
17	An overview on isotopic divergences: causes for instability of tree-ring isotopes and climate correlations. <i>Climate of the Past</i> , <b>2020</b> , 16, 1223-1243	3.9	4
16	La reconstruction climatique à partir des dates de vendanges <b>2010</b> , n° 36, 26		4
15	Oxygen and hydrogen isotopic composition of tap waters in France. <i>Geological Society Special Publication</i> , SP507-2020-207	1.7	4
14	Populations of clays formed by alteration of subglacial hyaloclastites from Iceland. <i>Chemical Geology</i> , <b>1990</b> , 84, 261-263	4.2	3
13	Water and carbon stable isotope records from natural archives: a new database and interactive online platform for data browsing, visualizing and downloading. <i>Climate of the Past</i> , <b>2016</b> , 12, 1693-1719 <sup>3.9</sup>		3

12	Reconstruction of southeast Tibetan Plateau summer cloud cover over the past two centuries using tree ring $\delta^{18}\text{O}$		2
11	Geographic variations in the slope of the $\delta\text{H}\delta^{18}\text{O}$ meteoric water line over Europe: a record of increasing continentality. <i>Geological Society Special Publication</i> , <b>2020</b> , SP507-2020-68	1.7	1
10	Isotopic Equilibrium Between Precipitation and Water Vapor in Northern Patagonia and Its Consequences on $\delta^{18}\text{O}$ cellulose Estimate. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2019JG005418	3.7	1
9	Hydroclimate and ENSO Variability Recorded by Oxygen Isotopes from Tree Rings in the South American Altiplano. <i>Geophysical Research Letters</i> ,	4.9	1
8	An inverse modeling approach for tree-ring-based climate reconstructions under changing atmospheric $\text{CO}_2$ concentrations		1
7	Maximum growing season temperature in Western Europe: multi proxy reconstructions in Fontainebleau from 1596 to 2000		1
6	Continental atmospheric circulation over Europe during the Little Ice Age inferred from grape harvest dates		1
5	French summer droughts since 1326 AD: a reconstruction based on tree ring cellulose $\delta^{18}\text{O}$		
4	Vegetation-Atmosphere Interface: Tree Rings. <i>Frontiers in Earth Sciences</i> , <b>2021</b> , 197-203	1.6	
3	Air-Vegetation Interface: An Example of the Use of Historical Data on Grape Harvests. <i>Frontiers in Earth Sciences</i> , <b>2021</b> , 205-208	1.6	
2	21. Les variations de températures printano-estivales dans le bassin Parisien depuis 1484 <b>2012</b> , 357-368		
1	Climate Signals in Stable Isotope Tree-Ring Records. <i>Tree Physiology</i> , <b>2022</b> , 537-579		