

# John S Roden

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1744700/publications.pdf>

Version: 2024-02-01

15  
papers

1,471  
citations

687363

13  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1545  
citing authors

#	ARTICLE	IF	CITATIONS
1	A mechanistic model for interpretation of hydrogen and oxygen isotope ratios in tree-ring cellulose. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 21-35.	3.9	666
2	Observations of Hydrogen and Oxygen Isotopes in Leaf Water Confirm the Craig-Gordon Model under Wide-Ranging Environmental Conditions. <i>Plant Physiology</i> , 1999, 120, 1165-1174.	4.8	225
3	A controlled test of the dual-isotope approach for the interpretation of stable carbon and oxygen isotope ratio variation in tree rings. <i>Tree Physiology</i> , 2012, 32, 490-503.	3.1	114
4	Is the dual-isotope conceptual model fully operational?. <i>Tree Physiology</i> , 2012, 32, 1179-1182.	3.1	94
5	Carbon and oxygen isotope ratios of tree ring cellulose along a precipitation transect in Oregon, United States. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	50
6	Summer precipitation influences the stable oxygen and carbon isotopic composition of tree-ring cellulose in <i>Pinus ponderosa</i> . <i>Tree Physiology</i> , 2007, 27, 491-501.	3.1	48
7	Reconstructing relative humidity from plant $\delta^{18}\text{O}$ and $\delta\text{D}$ as deuterium deviations from the global meteoric water line. <i>Ecological Applications</i> , 2014, 24, 960-975.	3.8	48
8	The enigma of effective path length for $\delta^{18}\text{O}$ enrichment in leaf water of conifers. <i>Plant, Cell and Environment</i> , 2015, 38, 2551-2565.	5.7	45
9	Historical changes in the stomatal limitation of photosynthesis: empirical support for an optimality principle. <i>New Phytologist</i> , 2020, 225, 2484-2497.	7.3	39
10	Modeling the light interception and carbon gain of individual fluttering aspen ( <i>Populus tremuloides</i> )	4.9	34
11	Frost tolerance and ice formation in <i>Pinus radiata</i> needles: ice management by the endodermis and transfusion tissues. <i>Functional Plant Biology</i> , 2009, 36, 180.	2.1	29
12	Do $\delta^2\text{H}$ and $\delta^{18}\text{O}$ in leaf water reflect environmental drivers differently?. <i>New Phytologist</i> , 2022, 235, 41-51.	7.3	29
13	Oxygen and carbon stable isotopes in coast redwood tree rings respond to spring and summer climate signals. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2013, 118, 1438-1450.	3.0	28
14	Tree-ring isotopes adjacent to Lake Superior reveal cold winter anomalies for the Great Lakes region of North America. <i>Scientific Reports</i> , 2019, 9, 4412.	3.3	12
15	Millennial-scale tree-ring isotope chronologies from coast redwoods provide insights on controls over California hydroclimate variability. <i>Oecologia</i> , 2018, 187, 897-909.	2.0	10