

# Alon Angert

## 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.

55  
papers

1,803  
citations

25  
h-index

42  
g-index

63  
ext. papers

2,009  
ext. citations

5.5  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
55	Drier summers cancel out the CO <sub>2</sub> uptake enhancement induced by warmer springs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 10823-7	11.5	365
54	A method for the analysis of the $\delta^{18}\text{O}$ of inorganic phosphate extracted from soils with HCl. <i>European Journal of Soil Science</i> , <b>2010</b> , 61, 1025-1032	3.4	100
53	Kinetic $\delta^{17}\text{O}$ effects in the hydrologic cycle: Indirect evidence and implications. <i>Geochimica Et Cosmochimica Acta</i> , <b>2004</b> , 68, 3487-3495	5.5	91
52	The changing carbon cycle at Mauna Loa Observatory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4249-54	11.5	87
51	Increase in water-use efficiency and underlying processes in pine forests across a precipitation gradient in the dry Mediterranean region over the past 30 years. <i>Oecologia</i> , <b>2011</b> , 167, 573-85	2.9	77
50	Effects of photorespiration, the cytochrome pathway, and the alternative pathway on the triple isotopic composition of atmospheric O <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , <b>2003</b> , 17,	5.9	76
49	Seasonal variations in the isotopic composition of near-surface water vapour in the eastern Mediterranean. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2008</b> , 60, 674-684	3.3	71
48	CO <sub>2</sub> seasonality indicates origins of post-Pinatubo sink. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	62
47	Soil phosphate stable oxygen isotopes across rainfall and bedrock gradients. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 2156-62	10.3	53
46	Using $\delta^{18}\text{O}$ to study the relationships between soil CO <sub>2</sub> efflux and soil respiration. <i>Biogeosciences</i> , <b>2015</b> , 12, 2089-2099	4.6	45
45	Fractionation of oxygen isotopes by respiration and diffusion in soils and its implications for the isotopic composition of atmospheric O <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , <b>2001</b> , 15, 871-880	5.9	44
44	Use of phosphate oxygen isotopes for identifying atmospheric-P sources: a case study at Lake Kinneret. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 2721-7	10.3	43
43	What's the flux? Unraveling how CO <sub>2</sub> fluxes from trees reflect underlying physiological processes. <i>New Phytologist</i> , <b>2013</b> , 197, 353-355	9.8	40
42	A method for analyzing the $\delta^{18}\text{O}$ of resin-extractable soil inorganic phosphate. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 624-8	2.2	38
41	Seasonal variability of soil phosphate stable oxygen isotopes in rainfall manipulation experiments. <i>Geochimica Et Cosmochimica Acta</i> , <b>2011</b> , 75, 4216-4227	5.5	37
40	Fractionation of oxygen isotopes by root respiration: Implications for the isotopic composition of atmospheric O <sub>2</sub> . <i>Geochimica Et Cosmochimica Acta</i> , <b>2001</b> , 65, 1695-1701	5.5	37
39	Substantial dust loss of bioavailable phosphorus from agricultural soils. <i>Scientific Reports</i> , <b>2016</b> , 6, 24736	4.9	36

38	What processes control the oxygen isotopes of soil bio-available phosphate?. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 159, 100-111	5.5	35
37	Controls on denudation rates in tectonically stable Mediterranean carbonate terrain. <i>Bulletin of the Geological Society of America</i> , <b>2014</b> , 126, 553-568	3.9	35
36	Variability in Sources and Concentrations of Saharan Dust Phosphorus over the Atlantic Ocean. <i>Environmental Science and Technology Letters</i> , <b>2015</b> , 2, 31-37	11	34
35	Internal respiration of Amazon tree stems greatly exceeds external CO <sub>2</sub> efflux. <i>Biogeosciences</i> , <b>2012</b> , 9, 4979-4991	4.6	34
34	Carbon dioxide emitted from live stems of tropical trees is several years old. <i>Tree Physiology</i> , <b>2013</b> , 33, 743-52	4.2	30
33	Contribution of soil respiration in tropical, temperate, and boreal forests to the 18O enrichment of atmospheric O <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , <b>2003</b> , 17, n/a-n/a	5.9	29
32	Tracing the Sources of Atmospheric Phosphorus Deposition to a Tropical Rain Forest in Panama Using Stable Oxygen Isotopes. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1147-56	10.3	26
31	Increased root oxygen uptake in pea plants responding to non-self neighbors. <i>Planta</i> , <b>2013</b> , 238, 577-86	4.7	25
30	Oxygen isotope ratios of plant available phosphate in lowland tropical forest soils. <i>Soil Biology and Biochemistry</i> , <b>2015</b> , 88, 354-361	7.5	24
29	Technical Note: Comparing and ranking soil drought indices performance over Europe, through remote-sensing of vegetation. <i>Hydrology and Earth System Sciences</i> , <b>2010</b> , 14, 271-277	5.5	24
28	Enriching the isotopic toolbox for migratory connectivity analysis: a new approach for migratory species breeding in remote or unexplored areas. <i>Diversity and Distributions</i> , <b>2015</b> , 21, 416-427	5	23
27	Elemental and isotopic composition of surface soils from key Saharan dust sources. <i>Chemical Geology</i> , <b>2016</b> , 442, 54-61	4.2	20
26	Determining the relationship between tree-stem respiration and CO <sub>2</sub> efflux by D <sub>2</sub> /Ar measurements. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 1752-6	2.2	18
25	Comparison of CO <sub>2</sub> and O <sub>2</sub> fluxes demonstrate retention of respired CO <sub>2</sub> in tree stems from a range of tree species. <i>Biogeosciences</i> , <b>2019</b> , 16, 177-191	4.6	12
24	Following the Turnover of Soil Bioavailable Phosphate in Mediterranean Savanna by Oxygen Stable Isotopes. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 1850-1862	3.7	12
23	Measuring the ratio of CO <sub>2</sub> efflux to O <sub>2</sub> influx in tree stem respiration. <i>Tree Physiology</i> , <b>2016</b> , 36, 1422-1431	4.31	11
22	Tropospheric carbonyl sulfide mass balance based on direct measurements of sulfur isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	11
21	Sulfur isotopes ratio of atmospheric carbonyl sulfide constrains its sources. <i>Scientific Reports</i> , <b>2019</b> , 9, 741	4.9	10

20	Isotopic signature of atmospheric phosphate emitted from coal combustion. <i>Atmospheric Environment</i> , <b>2016</b> , 136, 22-30	5.3	10
19	Phosphate Uptake by Cyanobacteria Is Associated with Kinetic Fractionation of Phosphate Oxygen Isotopes. <i>ACS Earth and Space Chemistry</i> , <b>2019</b> , 3, 233-239	3.2	10
18	Isotopic signature of atmospheric phosphate in airborne tree pollen. <i>Atmospheric Environment</i> , <b>2018</b> , 194, 1-6	5.3	10
17	Oxygen Isotope Signatures of Phosphate in Wildfire Ash. <i>ACS Earth and Space Chemistry</i> , <b>2019</b> , 3, 760-769	3.2	6
16	Are the phosphate oxygen isotopes of Saharan dust a robust tracer of atmospheric P source?. <i>Atmospheric Environment</i> , <b>2020</b> , 235, 117561	5.3	6
15	Determining the composition of CH <sub>4</sub> liquids following high-pressure and high-temperature diamond-trap experiments. <i>Contributions To Mineralogy and Petrology</i> , <b>2013</b> , 165, 593-599	3.5	6
14	The contribution of respiration in tree stems to the Dole Effect. <i>Biogeosciences</i> , <b>2012</b> , 9, 4037-4044	4.6	6
13	Using O <sub>2</sub> to study the relationships between soil CO <sub>2</sub> efflux and soil respiration		6
12	Use of C- and phosphate O-labeled substrate for studying phosphorus and carbon cycling in soils: a proof of concept. <i>Rapid Communications in Mass Spectrometry</i> , <b>2017</b> , 31, 969-977	2.2	5
11	Technical Note: The effect of vertical turbulent mixing on gross O <sub>2</sub> production assessments by the triple isotopic composition of dissolved O <sub>2</sub> . <i>Biogeosciences</i> , <b>2013</b> , 10, 8363-8371	4.6	4
10	High alternative oxidase activity in cold soils and its implication to the Dole Effect. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	3
9	X-ray Spectroscopic Quantification of Phosphorus Transformation in Saharan Dust during Trans-Atlantic Dust Transport. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 12694-12703	10.3	3
8	Extending the record of photosynthetic activity in the eastern United States into the presatellite period using surface diurnal temperature range. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	2
7	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2008</b> , 60,	3.3	2
6	Internal respiration of Amazon tree stems greatly exceeds external CO <sub>2</sub> efflux		2
5	Technical Note: Comparing and ranking soil-moisture indices performance over Europe, through remote-sensing of vegetation		2
4	Agricultural sources as major supplies of atmospheric phosphorus to Lake Kinneret. <i>Atmospheric Environment</i> , <b>2020</b> , 224, 117207	5.3	2
3	The contribution of respiration in tree-stems to the Dole Effect		1

2	Using respiration quotients to track changing sources of soil respiration seasonally and with experimental warming. <i>Biogeosciences</i> , <b>2020</b> , 17, 3045-3055	4.6	1
1	Discrimination in Tree Stems O <sub>2</sub> Uptake and the Dole Effect. <i>Global Biogeochemical Cycles</i> , <b>2018</b> , 32, 1208	5.9	