

# Alon Angert

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,238  
citations

201575

27  
h-index

233338

45  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drier summers cancel out the CO <sub>2</sub> uptake enhancement induced by warmer springs. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10823-10827.	3.3	424
2	A method for the analysis of the $\delta^{18}\text{O}$ of inorganic phosphate extracted from soils with HCl. European Journal of Soil Science, 2010, 61, 1025-1032.	1.8	122
3	Kinetic <sup>17</sup> O effects in the hydrologic cycle: Indirect evidence and implications. Geochimica Et Cosmochimica Acta, 2004, 68, 3487-3495.	1.6	109
4	The changing carbon cycle at Mauna Loa Observatory. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4249-4254.	3.3	101
5	Effects of photorespiration, the cytochrome pathway, and the alternative pathway on the triple isotopic composition of atmospheric O <sub>2</sub> . Global Biogeochemical Cycles, 2003, 17, .	1.9	93
6	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. Oecologia, 2011, 167, 573-585.	0.9	86
7	Seasonal variations in the isotopic composition of near-surface water vapour in the eastern Mediterranean. Tellus, Series B: Chemical and Physical Meteorology, 2022, 60, 674.	0.8	83
8	CO <sub>2</sub> seasonality indicates origins of post-Pinatubo sink. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	72
9	Using $\delta^{13}\text{C}$ to study the relationships between soil CO <sub>2</sub> efflux and soil respiration. Biogeosciences, 2015, 12, 2089-2099.	1.3	62
10	Soil Phosphate Stable Oxygen Isotopes across Rainfall and Bedrock Gradients. Environmental Science & Technology, 2012, 46, 2156-2162.	4.6	60
11	What's the flux? Unraveling how CO <sub>2</sub> fluxes from trees reflect underlying physiological processes. New Phytologist, 2013, 197, 353-355.	3.5	52
12	Substantial dust loss of bioavailable phosphorus from agricultural soils. Scientific Reports, 2016, 6, 24736.	1.6	52
13	Controls on denudation rates in tectonically stable Mediterranean carbonate terrain. Bulletin of the Geological Society of America, 2014, 126, 553-568.	1.6	51
14	Fractionation of oxygen isotopes by respiration and diffusion in soils and its implications for the isotopic composition of atmospheric O <sub>2</sub> . Global Biogeochemical Cycles, 2001, 15, 871-880.	1.9	49
15	Use of Phosphate Oxygen Isotopes for Identifying Atmospheric-P Sources: A Case Study at Lake Kinneret. Environmental Science & Technology, 2013, 47, 2721-2727.	4.6	48
16	Internal respiration of Amazon tree stems greatly exceeds external CO <sub>2</sub> efflux. Biogeosciences, 2012, 9, 4979-4991.	1.3	44
17	Fractionation of oxygen isotopes by root respiration: Implications for the isotopic composition of atmospheric O <sub>2</sub> . Geochimica Et Cosmochimica Acta, 2001, 65, 1695-1701.	1.6	42
18	Seasonal variability of soil phosphate stable oxygen isotopes in rainfall manipulation experiments. Geochimica Et Cosmochimica Acta, 2011, 75, 4216-4227.	1.6	42

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19	What processes control the oxygen isotopes of soil bio-available phosphate?. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 159, 100-111.	1.6	42
20	Technical Note: Comparing and ranking soil drought indices performance over Europe, through remote-sensing of vegetation. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 271-277.	1.9	41
21	Variability in Sources and Concentrations of Saharan Dust Phosphorus over the Atlantic Ocean. <i>Environmental Science and Technology Letters</i> , 2015, 2, 31-37.	3.9	41
22	A method for analyzing the $\delta^{18}\text{O}$ of resin-extractable soil inorganic phosphate. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 624-628.	0.7	40
23	Carbon dioxide emitted from live stems of tropical trees is several years old. <i>Tree Physiology</i> , 2013, 33, 743-752.	1.4	37
24	Tracing the Sources of Atmospheric Phosphorus Deposition to a Tropical Rain Forest in Panama Using Stable Oxygen Isotopes. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1147-1156.	4.6	37
25	Contribution of soil respiration in tropical, temperate, and boreal forests to the $\delta^{18}\text{O}$ enrichment of atmospheric $\text{O}_2$ . <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	1.9	36
26	Increased root oxygen uptake in pea plants responding to non-self neighbors. <i>Planta</i> , 2013, 238, 577-586.	1.6	34
27	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> , 2015, 21, 416-427.	1.9	30
28	Elemental and isotopic composition of surface soils from key Saharan dust sources. <i>Chemical Geology</i> , 2016, 442, 54-61.	1.4	30
29	Oxygen isotope ratios of plant available phosphate in lowland tropical forest soils. <i>Soil Biology and Biochemistry</i> , 2015, 88, 354-361.	4.2	28
30	Determining the relationship between tree-stem respiration and $\text{CO}_2$ efflux by $\delta^{18}\text{O}/\text{Ar}$ measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1752-1756.	0.7	23
31	Comparison of $\text{CO}_2$ and $\text{O}_2$ fluxes demonstrate retention of respired $\text{CO}_2$ in tree stems from a range of tree species. <i>Biogeosciences</i> , 2019, 16, 177-191.	1.3	20
32	Following the Turnover of Soil Bioavailable Phosphate in Mediterranean Savanna by Oxygen Stable Isotopes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1850-1862.	1.3	17
33	X-ray Spectroscopic Quantification of Phosphorus Transformation in Saharan Dust during Trans-Atlantic Dust Transport. <i>Environmental Science &amp; Technology</i> , 2021, 55, 12694-12703.	4.6	17
34	Isotopic signature of atmospheric phosphate in airborne tree pollen. <i>Atmospheric Environment</i> , 2018, 194, 1-6.	1.9	16
35	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> , 2021, 118, .	3.3	16
36	Measuring the ratio of $\text{CO}_2$ efflux to $\text{O}_2$ influx in tree stem respiration. <i>Tree Physiology</i> , 2016, 36, tpw057.	1.4	15

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37	Isotopic signature of atmospheric phosphate emitted from coal combustion. Atmospheric Environment, 2016, 136, 22-30.	1.9	15
38	Phosphate Uptake by Cyanobacteria Is Associated with Kinetic Fractionation of Phosphate Oxygen Isotopes. ACS Earth and Space Chemistry, 2019, 3, 233-239.	1.2	15
39	Sulfur isotopes ratio of atmospheric carbonyl sulfide constrains its sources. Scientific Reports, 2019, 9, 741.	1.6	11
40	Oxygen Isotope Signatures of Phosphate in Wildfire Ash. ACS Earth and Space Chemistry, 2019, 3, 760-769.	1.2	9
41	Use of <sup>13</sup> C and phosphate <sup>18</sup> O labeled substrate for studying phosphorus and carbon cycling in soils: a proof of concept. Rapid Communications in Mass Spectrometry, 2017, 31, 969-977.	0.7	8
42	Agricultural sources as major supplies of atmospheric phosphorus to Lake Kinneret. Atmospheric Environment, 2020, 224, 117207.	1.9	8
43	Are the phosphate oxygen isotopes of Saharan dust a robust tracer of atmospheric P source?. Atmospheric Environment, 2020, 235, 117561.	1.9	8
44	The contribution of respiration in tree stems to the Dole Effect. Biogeosciences, 2012, 9, 4037-4044.	1.3	7
45	Determining the composition of <sup>18</sup> O liquids following high-pressure and high-temperature diamond-trap experiments. Contributions To Mineralogy and Petrology, 2013, 165, 593-599.	1.2	7
46	Using respiration quotients to track changing sources of soil respiration seasonally and with experimental warming. Biogeosciences, 2020, 17, 3045-3055.	1.3	7
47	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> . Biogeosciences, 2013, 10, 8363-8371.	1.3	6
48	High alternative oxidase activity in cold soils and its implication to the Dole Effect. Geophysical Research Letters, 2012, 39, .	1.5	5
49	Extending the record of photosynthetic activity in the eastern United States into the presatellite period using surface diurnal temperature range. Geophysical Research Letters, 2005, 32, .	1.5	3
50	The Apparent Respiratory Quotient of Soils and Tree Stems and the Processes That Control It. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	3
51	Seasonal variations in the isotopic composition of near-surface water vapour in the eastern Mediterranean. Tellus, Series B: Chemical and Physical Meteorology, 2008, 60, .	0.8	2
52	Discrimination in Tree Stems O <sub>2</sub> Uptake and the Dole Effect. Global Biogeochemical Cycles, 2018, 32, 1208-1225.	1.9	0