

Alon Angert

List of Publications by Year in Descending Order

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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	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,	11.5	11
54	X-ray Spectroscopic Quantification of Phosphorus Transformation in Saharan Dust during Trans-Atlantic Dust Transport. <i>Environmental Science & Technology</i> , 2021 , 55, 12694-12703	10.3	3
53	Are the phosphate oxygen isotopes of Saharan dust a robust tracer of atmospheric P source?. <i>Atmospheric Environment</i> , 2020 , 235, 117561	5.3	6
52	Agricultural sources as major supplies of atmospheric phosphorus to Lake Kinneret. <i>Atmospheric Environment</i> , 2020 , 224, 117207	5.3	2
51	Using respiration quotients to track changing sources of soil respiration seasonally and with experimental warming. <i>Biogeosciences</i> , 2020 , 17, 3045-3055	4.6	1
50	Comparison of CO ₂ and O ₂ fluxes demonstrate retention of respired CO ₂ in tree stems from a range of tree species. <i>Biogeosciences</i> , 2019 , 16, 177-191	4.6	12
49	Oxygen Isotope Signatures of Phosphate in Wildfire Ash. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 760-769.	3.2	6
48	Sulfur isotopes ratio of atmospheric carbonyl sulfide constrains its sources. <i>Scientific Reports</i> , 2019 , 9, 741	4.9	10
47	Phosphate Uptake by Cyanobacteria Is Associated with Kinetic Fractionation of Phosphate Oxygen Isotopes. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 233-239	3.2	10
46	Isotopic signature of atmospheric phosphate in airborne tree pollen. <i>Atmospheric Environment</i> , 2018 , 194, 1-6	5.3	10
45	Discrimination in Tree Stems O ₂ Uptake and the Dole Effect. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 1208	5.9	
44	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	3.7	12
43	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> , 2017 , 31, 969-977	2.2	5
42	Tracing the Sources of Atmospheric Phosphorus Deposition to a Tropical Rain Forest in Panama Using Stable Oxygen Isotopes. <i>Environmental Science & Technology</i> , 2016 , 50, 1147-56	10.3	26
41	Substantial dust loss of bioavailable phosphorus from agricultural soils. <i>Scientific Reports</i> , 2016 , 6, 24736.	4.9	36
40	Measuring the ratio of CO ₂ efflux to O ₂ influx in tree stem respiration. <i>Tree Physiology</i> , 2016 , 36, 1422-1431	4.1	11
39	Isotopic signature of atmospheric phosphate emitted from coal combustion. <i>Atmospheric Environment</i> , 2016 , 136, 22-30	5.3	10

38	Elemental and isotopic composition of surface soils from key Saharan dust sources. <i>Chemical Geology</i> , 2016 , 442, 54-61	4.2	20
37	What processes control the oxygen isotopes of soil bio-available phosphate?. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 159, 100-111	5.5	35
36	Oxygen isotope ratios of plant available phosphate in lowland tropical forest soils. <i>Soil Biology and Biochemistry</i> , 2015 , 88, 354-361	7.5	24
35	Using $\delta^{18}O$ to study the relationships between soil CO_2 efflux and soil respiration. <i>Biogeosciences</i> , 2015 , 12, 2089-2099	4.6	45
34	Variability in Sources and Concentrations of Saharan Dust Phosphorus over the Atlantic Ocean. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 31-37	11	34
33	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	5	23
32	Controls on denudation rates in tectonically stable Mediterranean carbonate terrain. <i>Bulletin of the Geological Society of America</i> , 2014 , 126, 553-568	3.9	35
31	Determining the composition of CH_4 liquids following high-pressure and high-temperature diamond-trap experiments. <i>Contributions To Mineralogy and Petrology</i> , 2013 , 165, 593-599	3.5	6
30	Increased root oxygen uptake in pea plants responding to non-self neighbors. <i>Planta</i> , 2013 , 238, 577-86	4.7	25
29	What's the flux? Unraveling how CO_2 fluxes from trees reflect underlying physiological processes. <i>New Phytologist</i> , 2013 , 197, 353-355	9.8	40
28	Technical Note: The effect of vertical turbulent mixing on gross O_2 production assessments by the triple isotopic composition of dissolved O_2 . <i>Biogeosciences</i> , 2013 , 10, 8363-8371	4.6	4
27	Use of phosphate oxygen isotopes for identifying atmospheric-P sources: a case study at Lake Kinneret. <i>Environmental Science & Technology</i> , 2013 , 47, 2721-7	10.3	43
26	Carbon dioxide emitted from live stems of tropical trees is several years old. <i>Tree Physiology</i> , 2013 , 33, 743-52	4.2	30
25	Soil phosphate stable oxygen isotopes across rainfall and bedrock gradients. <i>Environmental Science & Technology</i> , 2012 , 46, 2156-62	10.3	53
24	High alternative oxidase activity in cold soils and its implication to the Dole Effect. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	3
23	The contribution of respiration in tree stems to the Dole Effect. <i>Biogeosciences</i> , 2012 , 9, 4037-4044	4.6	6
22	Internal respiration of Amazon tree stems greatly exceeds external CO_2 efflux. <i>Biogeosciences</i> , 2012 , 9, 4979-4991	4.6	34
21	Seasonal variability of soil phosphate stable oxygen isotopes in rainfall manipulation experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 4216-4227	5.5	37

20	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> , 2011 , 167, 573-85	2.9	77
19	A method for analyzing the $\delta^{18}O$ of resin-extractable soil inorganic phosphate. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 624-8	2.2	38
18	Determining the relationship between tree-stem respiration and CO ₂ efflux by $\Delta^{18}O/Ar$ measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1752-6	2.2	18
17	A method for the analysis of the $\delta^{18}O$ of inorganic phosphate extracted from soils with HCl. <i>European Journal of Soil Science</i> , 2010 , 61, 1025-1032	3.4	100
16	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	5.5	24
15	Seasonal variations in the isotopic composition of near-surface water vapour in the eastern Mediterranean. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008 , 60, 674-684	3.3	71
14	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008 , 60,	3.3	2
13	The changing carbon cycle at Mauna Loa Observatory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4249-54	11.5	87
12	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> , 2005 , 32,	4.9	2
11	Drier summers cancel out the CO ₂ uptake enhancement induced by warmer springs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10823-7	11.5	365
10	CO ₂ seasonality indicates origins of post-Pinatubo sink. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	62
9	Kinetic $\delta^{17}O$ effects in the hydrologic cycle: Indirect evidence and implications. <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 3487-3495	5.5	91
8	Effects of photorespiration, the cytochrome pathway, and the alternative pathway on the triple isotopic composition of atmospheric O ₂ . <i>Global Biogeochemical Cycles</i> , 2003 , 17,	5.9	76
7	Contribution of soil respiration in tropical, temperate, and boreal forests to the $\delta^{18}O$ enrichment of atmospheric O ₂ . <i>Global Biogeochemical Cycles</i> , 2003 , 17, n/a-n/a	5.9	29
6	Fractionation of oxygen isotopes by respiration and diffusion in soils and its implications for the isotopic composition of atmospheric O ₂ . <i>Global Biogeochemical Cycles</i> , 2001 , 15, 871-880	5.9	44
5	Fractionation of oxygen isotopes by root respiration: Implications for the isotopic composition of atmospheric O ₂ . <i>Geochimica Et Cosmochimica Acta</i> , 2001 , 65, 1695-1701	5.5	37
4	Using $\delta^{18}O$ to study the relationships between soil CO ₂ efflux and soil respiration		6
3	The contribution of respiration in tree-stems to the Dole Effect		1

2	Internal respiration of Amazon tree stems greatly exceeds external CO ₂ efflux	2
1	Technical Note: Comparing and ranking soil-moisture indices performance over Europe, through remote-sensing of vegetation	2