

Amy Austin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5969458/publications.pdf>

Version: 2024-02-01

76
papers

8,534
citations

81900

39
h-index

91884

69
g-index

80
all docs

80
docs citations

80
times ranked

10268
citing authors

#	ARTICLE	IF	CITATIONS
1	Sunlight and soil biota accelerate decomposition of crop residues in the Argentine Pampas. <i>Agriculture, Ecosystems and Environment</i> , 2022, 330, 107908.	5.3	11
2	Doseâ€‘responses for solar radiation exposure reveal high sensitivity of microbial decomposition to changes in plant litter quality that occur during photodegradation. <i>New Phytologist</i> , 2022, 235, 2022-2033.	7.3	6
3	Worlds apart: Location aboveâ€‘or belowâ€‘ground determines plant litter decomposition in a semiâ€‘arid Patagonian steppe. <i>Journal of Ecology</i> , 2021, 109, 2885-2896.	4.0	11
4	Field exclusion of large soil predators impacts lower trophic levels and decreases leafâ€‘litter decomposition in dry forests. <i>Journal of Animal Ecology</i> , 2020, 89, 334-346.	2.8	19
5	Sunlight Doubles Aboveground Carbon Loss in a Seasonally Dry Woodland in Patagonia. <i>Current Biology</i> , 2020, 30, 3243-3251.e3.	3.9	25
6	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 542-584.	2.9	59
7	Exotic plants get a little help from their friends. <i>Science</i> , 2020, 368, 934-936.	12.6	0
8	A light-dependent molecular link between competition cues and defence responses in plants. <i>Nature Plants</i> , 2020, 6, 223-230.	9.3	92
9	Exotic pine forestation shifts carbon accumulation to litter detritus and wood along a broad precipitation gradient in Patagonia, Argentina. <i>Forest Ecology and Management</i> , 2020, 460, 117902.	3.2	11
10	The Latin America Regional Nitrogen Centre: Concepts and Recent Activities. , 2020, , 499-514.		2
11	A World of Cobenefits: Solving the Global Nitrogen Challenge. <i>Earth's Future</i> , 2019, 7, 865-872.	6.3	122
12	Solar radiation exposure accelerates decomposition and biotic activity in surface litter but not soil in a semiarid woodland ecosystem in Patagonia, Argentina. <i>Plant and Soil</i> , 2019, 445, 483-496.	3.7	19
13	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , 2019, 2, 569-579.	23.7	156
14	Recalculating growth and defense strategies under competition: key roles of photoreceptors and jasmonates. <i>Journal of Experimental Botany</i> , 2019, 70, 3425-3434.	4.8	68
15	The importance of macro- and micro-nutrients over climate for leaf litter decomposition and nutrient release in Patagonian temperate forests. <i>Forest Ecology and Management</i> , 2019, 441, 144-154.	3.2	31
16	Solar UV radiation in a changing world: roles of cryosphereâ€‘landâ€‘waterâ€‘atmosphere interfaces in global biogeochemical cycles. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 747-774.	2.9	49
17	Environmental effects of ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2017. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 127-179.	2.9	177
18	Plant, fungal, bacterial, and nitrogen interactions in the litter layer of a native Patagonian forest. <i>PeerJ</i> , 2018, 6, e4754.	2.0	15

#	ARTICLE	IF	CITATIONS
19	Litter microbial and soil faunal communities stimulated in the wake of a volcanic eruption in a semi-arid woodland in Patagonia, Argentina. <i>Functional Ecology</i> , 2017, 31, 245-259.	3.6	23
20	Pine afforestation alters rhizosphere effects and soil nutrient turnover across a precipitation gradient in Patagonia, Argentina. <i>Plant and Soil</i> , 2017, 415, 449-464.	3.7	17
21	Photodegradation alleviates the lignin bottleneck for carbon turnover in terrestrial ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4392-4397.	7.1	146
22	<i>Journal of Ecology</i> News: Data Archiving Compliance. <i>Journal of Ecology</i> , 2016, 104, 1-3.	4.0	4
23	Whether in life or in death: fresh perspectives on how plants affect biogeochemical cycling. <i>Journal of Ecology</i> , 2015, 103, 1367-1371.	4.0	19
24	A shady business: pine afforestation alters the primary controls on litter decomposition along a precipitation gradient in Patagonia, Argentina. <i>Journal of Ecology</i> , 2015, 103, 1408-1420.	4.0	42
25	<i>Journal of Ecology</i> News. <i>Journal of Ecology</i> , 2015, 103, 90-92.	4.0	1
26	Nitrogen Deposition Effects on Ecosystem Services and Interactions with other Pollutants and Climate Change. , 2014, , 493-505.		5
27	<i>Journal of Ecology</i> News. <i>Journal of Ecology</i> , 2014, 102, 1-3.	4.0	1
28	Plant interactions with other organisms: molecules, ecology and evolution. <i>New Phytologist</i> , 2014, 204, 257-260.	7.3	23
29	Solar ultraviolet radiation in a changing climate. <i>Nature Climate Change</i> , 2014, 4, 434-441.	18.8	277
30	There's no place like home? An exploration of the mechanisms behind plant litter's decomposer affinity in terrestrial ecosystems. <i>New Phytologist</i> , 2014, 204, 307-314.	7.3	192
31	Innovations for a sustainable future: rising to the challenge of nitrogen greenhouse gas management in Latin America. <i>Current Opinion in Environmental Sustainability</i> , 2014, 9-10, 73-81.	6.3	11
32	Microbial community composition explains soil respiration responses to changing carbon inputs along an Amazon elevation gradient. <i>Journal of Ecology</i> , 2014, 102, 1058-1071.	4.0	181
33	<i>Pinus ponderosa</i> alters nitrogen dynamics and diminishes the climate footprint in natural ecosystems of Patagonia. <i>Journal of Ecology</i> , 2014, 102, 610-621.	4.0	23
34	Effects of stratospheric ozone depletion, solar UV radiation, and climate change on biogeochemical cycling: interactions and feedbacks. <i>Photochemical and Photobiological Sciences</i> , 2014, 14, 127-148.	2.9	53
35	Coarse Woody Debris Stimulates Soil Enzymatic Activity and Litter Decomposition in an Old-Growth Temperate Forest of Patagonia, Argentina. <i>Ecosystems</i> , 2013, 16, 1025-1038.	3.4	38
36	Latin America's Nitrogen Challenge. <i>Science</i> , 2013, 340, 149-149.	12.6	32

#	ARTICLE	IF	CITATIONS
37	Canopy Light and Plant Health. <i>Plant Physiology</i> , 2012, 160, 145-155.	4.8	128
38	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2011. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 13-27.	2.9	47
39	Introduction to a <i>Virtual Special Issue</i> on ecological stoichiometry and global change. <i>New Phytologist</i> , 2012, 196, 649-651.	7.3	23
40	Progress in creating a joint research agenda that allows networked long-term socio-ecological research in southern South America: Addressing crucial technological and human capacity gaps limiting its application in Chile and Argentina. <i>Austral Ecology</i> , 2012, 37, 529-536.	1.5	12
41	Gregarious flowering and death of understory bamboo slow litter decomposition and nitrogen turnover in a southern temperate forest in Patagonia, Argentina. <i>Functional Ecology</i> , 2012, 26, 265-273.	3.6	23
42	Do soil organisms affect aboveground litter decomposition in the semiarid Patagonian steppe, Argentina?. <i>Oecologia</i> , 2012, 168, 221-230.	2.0	41
43	Understory bamboo flowering provides a very narrow light window of opportunity for canopy-tree recruitment in a neotropical forest of Misiones, Argentina. <i>Forest Ecology and Management</i> , 2011, 262, 1360-1369.	3.2	62
44	Has water limited our imagination for aridland biogeochemistry?. <i>Trends in Ecology and Evolution</i> , 2011, 26, 229-235.	8.7	166
45	Nitrogen addition stimulates forest litter decomposition and disrupts species interactions in Patagonia, Argentina. <i>Global Change Biology</i> , 2011, 17, 1963-1974.	9.5	94
46	Celebrating the ecosystem's three-quarter century: Introduction to a Virtual Special Issue on Sir Arthur Tansley's ecosystem concept. <i>New Phytologist</i> , 2011, 192, 561-563.	7.3	0
47	Responses and feedbacks of coupled biogeochemical cycles to climate change: examples from terrestrial ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 61-67.	4.0	214
48	Dual role of lignin in plant litter decomposition in terrestrial ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4618-4622.	7.1	374
49	Interaction of position, litter type, and water pulses on decomposition of grasses from the semiarid Patagonian steppe. <i>Ecology</i> , 2009, 90, 2642-2647.	3.2	57
50	Spatial heterogeneity provides organic matter refuges for soil microbial activity in the Patagonian steppe, Argentina. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1348-1351.	8.8	45
51	Sheep Grazing Decreases Organic Carbon and Nitrogen Pools in the Patagonian Steppe: Combination of Direct and Indirect Effects. <i>Ecosystems</i> , 2009, 12, 686-697.	3.4	98
52	Ecological consequences of a massive flowering event of bamboo (<i>Chusquea culeou</i>) in a temperate forest of Patagonia, Argentina. <i>Journal of Vegetation Science</i> , 2009, 20, 424-432.	2.2	46
53	Gregarious bamboo flowering opens a window of opportunity for regeneration in a temperate forest of Patagonia. <i>New Phytologist</i> , 2009, 181, 880-889.	7.3	55
54	Tree species identity alters forest litter decomposition through long-term plant and soil interactions in Patagonia, Argentina. <i>Journal of Ecology</i> , 2008, 96, 727-736.	4.0	275

#	ARTICLE	IF	CITATIONS
55	Atmospheric nitrogen deposition in world biodiversity hotspots: the need for a greater global perspective in assessing N deposition impacts. <i>Global Change Biology</i> , 2006, 12, 470-476.	9.5	471
56	Plant litter decomposition in a semi-arid ecosystem controlled by photodegradation. <i>Nature</i> , 2006, 442, 555-558.	27.8	659
57	Sources of reactive nitrogen affecting ecosystems in Latin America and the Caribbean: current trends and future perspectives. <i>Biogeochemistry</i> , 2006, 79, 3-24.	3.5	48
58	More is less: agricultural impacts on the N cycle in Argentina. <i>Biogeochemistry</i> , 2006, 79, 45-60.	3.5	33
59	Differential Controls of Water Input on Litter Decomposition and Nitrogen Dynamics in the Patagonian Steppe. <i>Ecosystems</i> , 2006, 9, 128-141.	3.4	137
60	Inhibition of Nitrification Alters Carbon Turnover in the Patagonian Steppe. <i>Ecosystems</i> , 2006, 9, 1257-1265.	3.4	43
61	Intrinsic effects of species on leaf litter and root decomposition: a comparison of temperate grasses from North and South America. <i>Oecologia</i> , 2006, 150, 97-107.	2.0	127
62	More is less: agricultural impacts on the N cycle in Argentina. , 2006, , 45-60.		2
63	The human footprint in ecology " past, present and future. <i>New Phytologist</i> , 2004, 164, 419-422.	7.3	3
64	Water pulses and biogeochemical cycles in arid and semiarid ecosystems. <i>Oecologia</i> , 2004, 141, 221-235.	2.0	1,119
65	Global patterns of the isotopic composition of soil and plant nitrogen. <i>Global Biogeochemical Cycles</i> , 2003, 17, .	4.9	866
66	Controls on nitrification in a water-limited ecosystem: experimental inhibition of ammonia-oxidising bacteria in the Patagonian steppe. <i>Soil Biology and Biochemistry</i> , 2003, 35, 1609-1613.	8.8	22
67	Differential Effects of Precipitation on Production and Decomposition along a Rainfall Gradient in Hawaii. <i>Ecology</i> , 2002, 83, 328.	3.2	3
68	DIFFERENTIAL EFFECTS OF PRECIPITATION ON PRODUCTION AND DECOMPOSITION ALONG A RAINFALL GRADIENT IN HAWAII*. <i>Ecology</i> , 2002, 83, 328-338.	3.2	73
69	Carbon and nitrogen dynamics across a natural precipitation gradient in Patagonia, Argentina. <i>Journal of Vegetation Science</i> , 2002, 13, 351-360.	2.2	132
70	Carbon and nitrogen dynamics across a natural precipitation gradient in Patagonia, Argentina. <i>Journal of Vegetation Science</i> , 2002, 13, 351.	2.2	6
71	Temperate Grassland and Shrubland Ecosystems. , 2001, , 627-635.		8
72	Precipitation, decomposition and litter decomposability of <i>Metrosideros polymorpha</i> in native forests on Hawai'i. <i>Journal of Ecology</i> , 2000, 88, 129-138.	4.0	161

#	ARTICLE	IF	CITATIONS
73	Methods of Estimating Aboveground Net Primary Productivity. , 2000, , 31-43.		92
74	The ^{15}N natural abundance ($\delta^{15}\text{N}$) of ecosystem samples reflects measures of water availability. Functional Plant Biology, 1999, 26, 185.	2.1	381
75	Nutrient dynamics on a precipitation gradient in Hawai'i. Oecologia, 1998, 113, 519-529.	2.0	426
76	Summer sunlight impacts carbon turnover in a spatially heterogeneous Patagonian woodland. Plant and Soil, 0, , .	3.7	0