Johannes Knops

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7012037/publications.pdf

Version: 2024-02-01

42 papers	13,870 citations	186265 28 h-index	315739 38 g-index
43 all docs	43 docs citations	43 times ranked	14503 citing authors

#	Article	IF	Citations
1	The Influence of Functional Diversity and Composition on Ecosystem Processes. Science, 1997, 277, 1300-1302.	12.6	2,414
2	Productivity and sustainability influenced by biodiversity in grassland ecosystems. Nature, 1996, 379, 718-720.	27.8	2,237
3	Diversity and Productivity in a Long-Term Grassland Experiment. Science, 2001, 294, 843-845.	12.6	1,873
4	Biodiversity and ecosystem stability in a decade-long grassland experiment. Nature, 2006, 441, 629-632.	27.8	1,668
5	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
6	Effects of plant species richness on invasion dynamics, disease outbreaks, insect abundances and diversity. Ecology Letters, 1999, 2, 286-293.	6.4	723
7	Integrative modelling reveals mechanisms linking productivity and plant species richness. Nature, 2016, 529, 390-393.	27.8	564
8	DYNAMICS OF SOIL NITROGEN AND CARBON ACCUMULATION FOR 61 YEARS AFTER AGRICULTURAL ABANDONMENT. Ecology, 2000, 81, 88-98.	3.2	457
9	Eutrophication weakens stabilizing effects of diversity in natural grasslands. Nature, 2014, 508, 521-525.	27.8	409
10	HERBIVORE EFFECTS ON PLANT AND NITROGEN DYNAMICS IN OAK SAVANNA. Ecology, 1998, 79, 165-177.	3.2	407
11	Grassland productivity limited by multiple nutrients. Nature Plants, 2015, 1, 15080.	9.3	403
12	Addition of multiple limiting resources reduces grassland diversity. Nature, 2016, 537, 93-96.	27.8	355
13	Scale of mast-seeding and tree-ring growth. Nature, 1998, 396, 225-226.	27.8	278
14	Biodiversity and Ecosystem Properties. Science, 1997, 278, 1865c-1869.	12.6	104
15	Sensitivity of global soil carbon stocks to combined nutrient enrichment. Ecology Letters, 2019, 22, 936-945.	6.4	75
16	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. Nature Communications, 2020, 11, 5375.	12.8	75
17	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. Global Change Biology, 2013, 19, 3677-3687.	9.5	70
18	Soil Carbon and Nitrogen Accumulation and Vertical Distribution across a 74â€¥ear Chronosequence. Soil Science Society of America Journal, 2009, 73, 2096-2104.	2.2	62

#	Article	IF	Citations
19	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. Ecology, 2021, 102, e03218.	3.2	62
20	Soil net nitrogen mineralisation across global grasslands. Nature Communications, 2019, 10, 4981.	12.8	57
21	Contingent factors explain average divergence in functional composition over 88 years of old field succession. Journal of Ecology, 2019, 107, 545-558.	4.0	56
22	Effect of the Internet Commerce on Dispersal Modes of Invasive Alien Species. PLoS ONE, 2014, 9, e99786.	2.5	55
23	Fire does not alter vegetation in infertile prairie. Oecologia, 2006, 150, 477-483.	2.0	47
24	Increased productivity in wet years drives a decline in ecosystem stability with nitrogen additions in arid grasslands. Ecology, 2017, 98, 1779-1786.	3.2	47
25	Nutrient addition increases grassland sensitivity to droughts. Ecology, 2020, 101, e02981.	3.2	44
26	Nutrient availability controls the impact of mammalian herbivores on soil carbon and nitrogen pools in grasslands. Global Change Biology, 2020, 26, 2060-2071.	9.5	43
27	Selective herbivory on a nitrogen fixing legume (Lathyrus venosus) influences productivity and ecosystem nitrogen pools in an oak savanna. Ecoscience, 2000, 7, 166-174.	1.4	41
28	Climate and local environment structure asynchrony and the stability of primary production in grasslands. Global Ecology and Biogeography, 2020, 29, 1177-1188.	5.8	41
29	Soil properties as key predictors of global grassland production: Have we overlooked micronutrients?. Ecology Letters, 2021, 24, 2713-2725.	6.4	28
30	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. PLoS ONE, 2020, 15, e0235247.	2.5	27
31	Multispecies invasion reduces the negative impact of single alien plant species on native flora. Diversity and Distributions, 2019, 25, 951-962.	4.1	25
32	Biodiversity and yield tradeâ€offs for organic farming. Ecology Letters, 2022, 25, 1699-1710.	6.4	25
33	Nutrient identity modifies the destabilising effects of eutrophication in grasslands. Ecology Letters, 2022, 25, 754-765.	6.4	17
34	Misinformation, internet honey trading and beekeepers drive a plant invasion. Ecology Letters, 2021, 24, 165-169.	6.4	12
35	The impact of coâ€occurring tree and grassland species on carbon sequestration and potential biofuel production. GCB Bioenergy, 2009, 1, 392-403.	5.6	10
36	Opposing community assembly patterns for dominant and nondominant plant species in herbaceous ecosystems globally. Ecology and Evolution, 2021, 11, 17744-17761.	1.9	8

#	Article	IF	Citations
37	Effects of elevated CO 2 , increased nitrogen deposition, and plant diversity on aboveground litter and root decomposition. Ecosphere, 2018, 9, e02111.	2.2	6
38	Pocket gopher disturbance slows soil carbon accumulation in abandoned agricultural lands. Ecology, 2022, 103, e3627.	3.2	5
39	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0
40	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0
41	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0
42	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0