

Sergey Rosbakh

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,015
citations

516710

16
h-index

501196

28
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all docs

42
docs citations

42
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of extreme drought on specific leaf area of grassland species: A meta-analysis of experimental studies in temperate and sub-Mediterranean systems. <i>Global Change Biology</i> , 2017, 23, 2473-2481.	9.5	165
2	Specific leaf area correlates with temperature: new evidence of trait variation at the population, species and community levels. <i>Alpine Botany</i> , 2015, 125, 79-86.	2.4	89
3	Initial temperature of seed germination as related to species occurrence along a temperature gradient. <i>Functional Ecology</i> , 2015, 29, 5-14.	3.6	89
4	The seed germination spectrum of alpine plants: a global meta-analysis. <i>New Phytologist</i> , 2021, 229, 3573-3586.	7.3	66
5	Contrasting Effects of Extreme Drought and Snowmelt Patterns on Mountain Plants along an Elevation Gradient. <i>Frontiers in Plant Science</i> , 2017, 8, 1478.	3.6	40
6	Siberian plants shift their phenology in response to climate change. <i>Global Change Biology</i> , 2021, 27, 4435-4448.	9.5	40
7	Elevation matters: contrasting effects of climate change on the vegetation development at different elevations in the Bavarian Alps. <i>Alpine Botany</i> , 2014, 124, 143-154.	2.4	35
8	An Unexplored Side of Regeneration Niche: Seed Quantity and Quality Are Determined by the Effect of Temperature on Pollen Performance. <i>Frontiers in Plant Science</i> , 2018, 9, 1036.	3.6	33
9	Seed germination traits shape community assembly along a hydroperiod gradient. <i>Annals of Botany</i> , 2020, 125, 67-78.	2.9	29
10	Nikolaeva et al.'s reference book on seed dormancy and germination. <i>Ecology</i> , 2020, 101, e03049.	3.2	26
11	Ready for change: Seed traits contribute to the high adaptability of mudflat species to their unpredictable habitat. <i>Journal of Vegetation Science</i> , 2020, 31, 331-342.	2.2	25
12	Temporal and spatial trade-offs between resistance and performance traits in herbaceous plant species. <i>Environmental and Experimental Botany</i> , 2019, 157, 187-196.	4.2	24
13	Climate shapes the seed germination niche of temperate flowering plants: a meta-analysis of European seed conservation data. <i>Annals of Botany</i> , 2022, 129, 775-786.	2.9	23
14	IAPT/IOPB chromosome data 8. <i>Taxon</i> , 2009, 58, 1281-1314.	0.7	21
15	Mudflat species: Threatened or hidden? An extensive seed bank survey of 108 fish ponds in Southern Germany. <i>Biological Conservation</i> , 2018, 225, 154-163.	4.1	21
16	Seed germination ecology in <i>Trapa natans</i> L., a widely distributed freshwater macrophyte. <i>Aquatic Botany</i> , 2018, 147, 18-23.	1.6	20
17	Classification of aquatic vegetation (Potametea) in Baikal Siberia, Russia, and its diversity in a northern Eurasian context. <i>Phytocoenologia</i> , 2013, 43, 127-167.	0.5	19
18	Minimal temperature of pollen germination controls species distribution along a temperature gradient. <i>Annals of Botany</i> , 2016, 117, 1111-1120.	2.9	17

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19	Tree seed traitsâ€™ response to monsoon climate and altitude in Indian subcontinent with particular reference to the Himalayas. <i>Ecology and Evolution</i> , 2017, 7, 7408-7419.	1.9	16
20	A Compendium of in vitro Germination Media for Pollen Research. <i>Frontiers in Plant Science</i> , 2021, 12, 709945.	3.6	15
21	Bleaching and cold stratification can break dormancy and improve seed germination in Cyperaceae. <i>Aquatic Botany</i> , 2019, 158, 103128.	1.6	14
22	Environmental determinants of lake macrophyte communities in Baikal Siberia. <i>Aquatic Sciences</i> , 2020, 82, 1.	1.5	14
23	Patterns of genetic variation in European plant species depend on altitude. <i>Diversity and Distributions</i> , 2021, 27, 157-163.	4.1	13
24	Seed dormancy and dormancy-breaking conditions of 12 West African woody species with high reforestation potential in the forest-savanna ecotone of CÃˆte d'Ivoire. <i>Seed Science and Technology</i> , 2020, 48, 101-116.	1.4	10
25	Seedlings of alpine species do not have better frost-tolerance than their lowland counterparts. <i>Alpine Botany</i> , 2020, 130, 179-185.	2.4	9
26	Grassland restoration by local seed mixtures: New evidence from a practical 15â€™year restoration study. <i>Applied Vegetation Science</i> , 2022, 25, .	1.9	9
27	Killing me slowly: Harsh environment extends plant maximum life span. <i>Basic and Applied Ecology</i> , 2018, 28, 17-26.	2.7	7
28	Plant community persistence strategy is elevationâ€™specific. <i>Journal of Vegetation Science</i> , 2021, 32, e13028.	2.2	7
29	Inferring community assembly processes from functional seed trait variation along elevation gradient. <i>Journal of Ecology</i> , 2022, 110, 2374-2387.	4.0	7
30	Rising CO2 concentrations reduce nitrogen availability in alpine grasslands. <i>Ecological Indicators</i> , 2021, 129, 107990.	6.3	6
31	Machineâ€™learning algorithms predict soil seed bank persistence from easily available traits. <i>Applied Vegetation Science</i> , 2022, 25, .	1.9	6
32	Seed germination of mudflat species responds differently to prior exposure to hypoxic (flooded) environments. <i>Seed Science Research</i> , 2020, 30, 268-274.	1.7	5
33	Foliar summer frost resistance measured via electrolyte leakage approach as related to plant distribution, community composition and plant traits. <i>Functional Ecology</i> , 2021, 35, 590-600.	3.6	5
34	Broad Seed Germination Niche as an Adaptation to Heterogeneous Aquatic Habitatâ€™a Case Study of Four Potamogeton species. <i>Inland Water Biology</i> , 2019, 12, 68-73.	0.8	4
35	The sweet and musky scent of home: biogenic ethylene fineâ€™tunes seed germination in wetlands. <i>Plant Biology</i> , 2022, 24, 278-285.	3.8	3
36	Contrasting seed germination response to moss and lichen crusts in <i>Stipa caucasica</i> , a key species of the Irano-Turanian steppe. <i>Folia Geobotanica</i> , 2021, 56, 205-213.	0.9	3

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37	Alpine plant communities differ in their seed germination requirements along a snowmelt gradient in the Caucasus. <i>Alpine Botany</i> , 2022, 132, 223-232.	2.4	3
38	Demographic Structure of <i>Scutellaria baicalensis</i> Georgi Depending on Climatic Gradients and Local Factors. <i>Russian Journal of Ecology</i> , 2019, 50, 404-407.	0.9	2
39	Utkin et al.'s dataset on specific leaf area. <i>Ecology</i> , 2022, , e3714.	3.2	1