

Roman J Dial

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,148
citations

471509

17
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

1661
citing authors

#	ARTICLE	IF	CITATIONS
1	Flight plan for the future: floatplane pilots and researchers team up to predict invasive species dispersal in Alaska. <i>Biological Invasions</i> , 2022, 24, 1229-1245.	2.4	3
2	Estimating Net Primary Productivity (NPP) and Debris-Fall in Forests Using Lidar Time Series. <i>Remote Sensing</i> , 2021, 13, 891.	4.0	2
3	Using fractal self-similarity to increase precision of shrub biomass estimates. <i>Ecology and Evolution</i> , 2021, 11, 4866-4873.	1.9	1
4	Modeling the impacts of climate change on mass balance and discharge of Eklutna Glacier, Alaska, 1985-2019. <i>Journal of Glaciology</i> , 2021, 67, 909-920.	2.2	5
5	Biological albedo reduction on ice sheets, glaciers, and snowfields. <i>Earth-Science Reviews</i> , 2021, 220, 103728.	9.1	30
6	The climate envelope of Alaska's northern treelines: implications for controlling factors and future treeline advance. <i>Ecography</i> , 2021, 44, 1710-1722.	4.5	15
7	The Biogeography of the Glacier Biome. , 2020, , 261-269.		1
8	Pathways of tundra encroachment by trees and tall shrubs in the western Brooks Range of Alaska. <i>Ecography</i> , 2020, 43, 769-778.	4.5	20
9	Mapping tall shrub biomass in Alaska at landscape scale using structure-from-motion photogrammetry and lidar. <i>Remote Sensing of Environment</i> , 2020, 245, 111841.	11.0	32
10	Exploring sample cross-contamination in fish epidermal mucus. <i>Journal of Fish Biology</i> , 2019, 95, 647-650.	1.6	2
11	What color should glacier algae be? An ecological role for red carbon in the cryosphere. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	35
12	Declining growth of deciduous shrubs in the warming climate of continental western Greenland. <i>Journal of Ecology</i> , 2018, 106, 640-654.	4.0	53
13	Thermal segregation drives patterns of alder and willow expansion in a montane ecosystem subject to climate warming. <i>Journal of Ecology</i> , 2017, 105, 935-946.	4.0	15
14	The role of microbes in snowmelt and radiative forcing on an Alaskan icefield. <i>Nature Geoscience</i> , 2017, 10, 754-759.	12.9	94
15	Bacterial Microbiota Associated with the Glacier Ice Worm Is Dominated by Both Worm-Specific and Glacier-Derived Facultative Lineages. <i>Microbes and Environments</i> , 2017, 32, 32-39.	1.6	12
16	Shrubline but not treeline advance matches climate velocity in montane ecosystems of south-central Alaska. <i>Global Change Biology</i> , 2016, 22, 1841-1856.	9.5	60
17	The Role of Temperature in the Distribution of the Glacier Ice Worm, <i>Mesenchytraeus solifugus</i> (Annelida: Oligochaeta: Enchytraeidae). <i>Arctic, Antarctic, and Alpine Research</i> , 2016, 48, 199-211.	1.1	20
18	Census of bacterial microbiota associated with the glacier ice worm <i>Mesenchytraeus solifugus</i> . <i>FEMS Microbiology Ecology</i> , 2015, 91, .	2.7	35

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19	CO ₂ exchange along a hydrologic gradient in the Kenai Lowlands, AK: feedback implications of wetland drying and vegetation succession. <i>Ecohydrology</i> , 2013, 6, 38-50.	2.4	9
20	Historical biogeography of the North American glacier ice worm, <i>Mesenchytraeus solifugus</i> (Annelida: Oligochaeta: Enchytraeidae). <i>Molecular Phylogenetics and Evolution</i> , 2012, 63, 577-584.	2.7	22
21	Reply to comment by Gracz on "Wetland drying and succession across the Kenai Peninsula Lowlands, south-central Alaska" Appears in the <i>Can. J. For. Res.</i> 35 : 1931-1941.. <i>Canadian Journal of Forest Research</i> , 2011, 41, 429-433.	1.7	1
22	Recent woody invasion of wetlands on the Kenai Peninsula Lowlands, south-central Alaska: a major regime shift after 180000 years of wet <i>Sphagnum</i> sedge peat recruitment. <i>Canadian Journal of Forest Research</i> , 2009, 39, 2033-2046.	1.7	77
23	Changes in the alpine forest-tundra ecotone commensurate with recent warming in southcentral Alaska: Evidence from orthophotos and field plots. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	54
24	Arthropod Abundance, Canopy Structure, and Microclimate in a Bornean Lowland Tropical Rain Forest. <i>Biotropica</i> , 2006, 38, 643-652.	1.6	74
25	Spatial distribution and abundance of red snow algae on the Harding Icefield, Alaska derived from a satellite image. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	77
26	Wetland drying and succession across the Kenai Peninsula Lowlands, south-central Alaska. <i>Canadian Journal of Forest Research</i> , 2005, 35, 1931-1941.	1.7	132
27	Physical Transport, Heterogeneity, and Interactions Involving Canopy Anoles. , 2004, , 270-296.		0
28	How trees and forests inform biodiversity and ecosystem informatics. <i>Computing in Science and Engineering</i> , 2003, 5, 32-43.	1.2	4
29	THEORY OF MARINE COMMUNITIES: THE INTERMEDIATE DISTURBANCE HYPOTHESIS. <i>Ecology</i> , 1998, 79, 1412-1424.	3.2	111
30	Beyond MacArthur: New Attempts at Unification. <i>Conservation Biology</i> , 1996, 10, 1564-1566.	4.7	0
31	Natural History Observations of <i>Anolisomyia rufianalis</i> (Diptera: Sarcophagidae) Infesting Anolis Lizards in a Rain Forest Canopy. <i>Environmental Entomology</i> , 1996, 25, 1325-1328.	1.4	11
32	Species-Area Curves and Koopowitz et al.'s Simulation of Stochastic Extinctions. <i>Conservation Biology</i> , 1995, 9, 960-961.	4.7	7
33	Experimental Removal of Insectivores from Rain Forest Canopy: Direct and Indirect Effects. <i>Ecology</i> , 1995, 76, 1821-1834.	3.2	105
34	Extinction or miscalculation?. <i>Nature</i> , 1994, 370, 104-105.	27.8	14
35	Distribution and abundance of exotic earthworms within a boreal forest system in southcentral Alaska. <i>NeoBiota</i> , 0, 28, 67-86.	1.0	15