

# W Tad Pfeffer

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

4,727  
citations

361413

20  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

4243  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Reconciled Estimate of Glacier Contributions to Sea Level Rise: 2003 to 2009. <i>Science</i> , 2013, 340, 852-857.	12.6	1,044
2	The Randolph Glacier Inventory: a globally complete inventory of glaciers. <i>Journal of Glaciology</i> , 2014, 60, 537-552.	2.2	895
3	Recent contributions of glaciers and ice caps to sea level rise. <i>Nature</i> , 2012, 482, 514-518.	27.8	863
4	Glaciers Dominate Eustatic Sea-Level Rise in the 21st Century. <i>Science</i> , 2007, 317, 1064-1067.	12.6	570
5	Retention of Greenland runoff by refreezing: Implications for projected future sea level change. <i>Journal of Geophysical Research</i> , 1991, 96, 22117-22124.	3.3	173
6	A review of volume-area scaling of glaciers. <i>Reviews of Geophysics</i> , 2015, 53, 95-140.	23.0	154
7	Challenges to Understanding the Dynamic Response of Greenland's Marine Terminating Glaciers to Oceanic and Atmospheric Forcing. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 1131-1144.	3.3	126
8	Thermal tracking of meltwater retention in Greenland's accumulation area. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	114
9	Response time of glaciers as a function of size and mass balance: 1. Theory. <i>Journal of Geophysical Research</i> , 1998, 103, 9777-9782.	3.3	112
10	Evolving force balance at Columbia Glacier, Alaska, during its rapid retreat. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	83
11	Variations of near-surface firn density in the lower accumulation area of the Greenland ice sheet, PÅkkitsoq, West Greenland. <i>Journal of Glaciology</i> , 1994, 40, 477-485.	2.2	80
12	Modeling of meltwater infiltration in subfreezing snow. <i>Water Resources Research</i> , 1990, 26, 1001-1012.	4.2	75
13	Two modes of accelerated glacier sliding related to water. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	57
14	Analysis and Modeling of Melt-Water Refreezing in Dry Snow. <i>Journal of Glaciology</i> , 1990, 36, 238-246.	2.2	54
15	Spatial variability in the flow of a valley glacier: Deformation of a large array of boreholes. <i>Journal of Geophysical Research</i> , 2001, 106, 8547-8562.	3.3	42
16	Evolution of subglacial water pressure along a glacier's length. <i>Annals of Glaciology</i> , 2005, 40, 31-36.	1.4	42
17	Stress-induced foliation in the terminus of Variegated Glacier, Alaska, U.S.A, formed during the 1982-83 surge. <i>Journal of Glaciology</i> , 1992, 38, 213-222.	2.2	40
18	Three-Dimensional Deformation Measured in an Alaskan Glacier. , 1998, 281, 1340-1342.		37

#	ARTICLE	IF	CITATIONS
19	Diurnal fluctuations in borehole water levels: configuration of the drainage system beneath Bench Glacier, Alaska, USA. <i>Journal of Glaciology</i> , 2008, 54, 297-306.	2.2	33
20	Response time of glaciers as a function of size and mass balance: 2. Numerical experiments. <i>Journal of Geophysical Research</i> , 1998, 103, 9783-9789.	3.3	29
21	Theoretical limitations to englacial velocity calculations. <i>Journal of Glaciology</i> , 1994, 40, 509-518.	2.2	24
22	Temperature gradient and initial snow density as controlling factors in the formation and structure of hard depth hoar. <i>Journal of Glaciology</i> , 2002, 48, 485-494.	2.2	23
23	Glacier volume estimation as an ill-posed inversion. <i>Journal of Glaciology</i> , 2014, 60, 922-934.	2.2	19
24	Diurnal water-pressure fluctuations: timing and pattern of termination below Bench Glacier, Alaska, USA. <i>Annals of Glaciology</i> , 2005, 40, 102-106.	1.4	15
25	Comment on "The potential for sea level rise: New estimates from glacier and ice cap area and volume distribution" by S. C. B. Raper and R. J. Braithwaite. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	11
26	Twentieth-century Changes in the Thickness and Extent of Arapaho Glacier, Front Range, Colorado. <i>Arctic, Antarctic, and Alpine Research</i> , 2010, 42, 198-209.	1.1	6
27	Stress-induced foliation in the terminus of Variegated Glacier, Alaska, U.S.A, formed during the 1982-83 surge. <i>Journal of Glaciology</i> , 1992, 38, 213-222.	2.2	3
28	Crossover scaling phenomena for glaciers and ice caps. <i>Journal of Glaciology</i> , 2016, 62, 299-309.	2.2	2
29	GPR profiles of partially to completely unstratified geologic formations. , 2012, , .		1