

# Thomas Opel

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,615  
citations

304602

22  
h-index

315616

38  
g-index

80  
all docs

80  
docs citations

80  
times ranked

2070  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multimethod dating study of ancient permafrost, Batagay megaslump, east Siberia. <i>Quaternary Research</i> , 2022, 105, 1-22.	1.0	24
2	What we talk about when we talk about seasonality – A transdisciplinary review. <i>Earth-Science Reviews</i> , 2022, 225, 103843.	4.0	28
3	Pleistocene glacial and interglacial ecosystems inferred from ancient <scp>DNA</scp> analyses of permafrost sediments from Batagay megaslump, East Siberia. <i>Environmental DNA</i> , 2022, 4, 1265-1283.	3.1	11
4	Northeast Siberian Permafrost Iceâ€Wedge Stable Isotopes Depict Pronounced Last Glacial Maximum Winter Cooling. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092087.	1.5	17
5	Geochemistry and Weathering Indices of Yedoma and Alas Deposits beneath Thermokarst Lakes in Central Yakutia. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	7
6	Short-Term Meteorological and Environmental Signals Recorded in a Firn Core from a High-Accumulation Site on Plateau Laclavere, Antarctic Peninsula. <i>Geosciences (Switzerland)</i> , 2021, 11, 428.	1.0	4
7	Rapid Fluvio-Thermal Erosion of a Yedoma Permafrost Cliff in the Lena River Delta. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	38
8	Extreme climate after massive eruption of Alaskaâ€™s Okmok volcano in 43 BCE and effects on the late Roman Republic and Ptolemaic Kingdom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15443-15449.	3.3	57
9	Stable water isotopes and accumulation rates in the Union Glacier region, Ellsworth Mountains, West Antarctica, over the last 35 years. <i>Cryosphere</i> , 2020, 14, 881-904.	1.5	8
10	Recent advances in paleoclimatological studies of Arctic wedgeâ€and poreâ€ice stableâ€water isotope records. <i>Permafrost and Periglacial Processes</i> , 2020, 31, 429-441.	1.5	26
11	Organic carbon characteristics in ice-rich permafrost in alas and Yedoma deposits, central Yakutia, Siberia. <i>Biogeosciences</i> , 2020, 17, 3797-3814.	1.3	17
12	Sea ice dynamics in the Bransfield Strait, Antarctic Peninsula, during the past 240 years: a multi-proxy intercomparison study. <i>Climate of the Past</i> , 2020, 16, 2459-2483.	1.3	19
13	The Iso2k database: a global compilation of paleo- $\delta^{18}O$ and $\delta^2H$ records to aid understanding of Common Era climate. <i>Earth System Science Data</i> , 2020, 12, 2261-2288.	3.7	46
14	The cryostratigraphy of the Yedoma cliff of Sobo-Sise Island (Lena delta) reveals permafrost dynamics in the central Laptev Sea coastal region during the last 52â‰‰kyr. <i>Cryosphere</i> , 2020, 14, 4525-4551.	1.5	17
15	Pervasive Arctic lead pollution suggests substantial growth in medieval silver production modulated by plague, climate, and conflict. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14910-14915.	3.3	50
16	Ice Complex formation on Bol'shoy Lyakhovskiy Island (New Siberian Archipelago, East Siberian Arctic) since about 200 ka. <i>Quaternary Research</i> , 2019, 92, 530-548.	1.0	26
17	Past climate and continentality inferred from ice wedges at Batagay megaslump in the Northern Hemisphere's most continental region, Yana Highlands, interior Yakutia. <i>Climate of the Past</i> , 2019, 15, 1443-1461.	1.3	35
18	Attempts to understand potential deficiencies in chemical procedures for AMS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2019, 456, 186-192.	0.6	5

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19	Stable isotope signatures of Holocene syngenetic permafrost trace seabird presence in the Thule District (NW Greenland). <i>Biogeosciences</i> , 2019, 16, 4261-4275.	1.3	4
20	Greenhouse gas production in degrading ice-rich permafrost deposits in northeastern Siberia. <i>Biogeosciences</i> , 2018, 15, 5423-5436.	1.3	14
21	Ice wedges as archives of winter paleoclimate: A review. <i>Permafrost and Periglacial Processes</i> , 2018, 29, 199-209.	1.5	47
22	Holocene thermokarst and pingo development in the Kolyma Lowland (NE Siberia). <i>Permafrost and Periglacial Processes</i> , 2018, 29, 182-198.	1.5	26
23	Northeast Siberian ice wedges confirm Arctic winter warming over the past two millennia. <i>Holocene</i> , 2017, 27, 1789-1796.	0.9	22
24	<sup>10</sup> Be in the Akademii Nauk ice core – first results for CE 1590–1950 and implications for future chronology validation. <i>Journal of Glaciology</i> , 2017, 63, 514-522.	1.1	5
25	Aromatic acids in a Eurasian Arctic ice core: a 2600-year proxy record of biomass burning. <i>Climate of the Past</i> , 2017, 13, 395-410.	1.3	23
26	Ground-ice stable isotopes and cryostratigraphy reflect late Quaternary palaeoclimate in the Northeast Siberian Arctic (Oyogos Yar coast, Dmitry Laptev Strait). <i>Climate of the Past</i> , 2017, 13, 587-611.	1.3	36
27	Halogen-based reconstruction of Russian Arctic sea ice area from the Akademii Nauk ice core (Severnaya Zemlya). <i>Cryosphere</i> , 2016, 10, 245-256.	1.5	20
28	Spatial and temporal oxygen isotope variability in northern Greenland – implications for a new climate record over the past millennium. <i>Climate of the Past</i> , 2016, 12, 171-188.	1.3	22
29	Ice Complex permafrost of MIS5 age in the Dmitry Laptev Strait coastal region (East Siberian Arctic). <i>Quaternary Science Reviews</i> , 2016, 147, 298-311.	1.4	37
30	A Method for Continuous <sup>239</sup> Pu Determinations in Arctic and Antarctic Ice Cores. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7066-7073.	4.6	51
31	Sea-level evolution of the Laptev Sea and the East Siberian Sea since the last glacial maximum. <i>Arktos</i> , 2015, 1, 1.	1.0	22
32	Permafrost hydrology in changing climatic conditions: seasonal variability of stable isotope composition in rivers in discontinuous permafrost. <i>Environmental Research Letters</i> , 2015, 10, 095003.	2.2	73
33	Observing Muostakh disappear: permafrost thaw subsidence and erosion of a ground-ice-rich island in response to arctic summer warming and sea ice reduction. <i>Cryosphere</i> , 2015, 9, 151-178.	1.5	142
34	Dissolved organic carbon (DOC) in Arctic ground ice. <i>Cryosphere</i> , 2015, 9, 737-752.	1.5	42
35	Long-term winter warming trend in the Siberian Arctic during the mid- to late Holocene. <i>Nature Geoscience</i> , 2015, 8, 122-125.	5.4	117
36	Ice Complex formation in arctic East Siberia during the MIS3 Interstadial. <i>Quaternary Science Reviews</i> , 2014, 84, 39-55.	1.4	75

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37	Is the 20th century warming unprecedented in the Siberian north?. <i>Quaternary Science Reviews</i> , 2013, 73, 93-102.	1.4	11
38	Eurasian Arctic climate over the past millennium as recorded in the Akademii Nauk ice core (Severnaya) Tj ETQq0 0 0.rgBT /Overlock 10	1.3	42
39	Last Glacial Maximum records in permafrost of the East Siberian Arctic. <i>Quaternary Science Reviews</i> , 2011, 30, 3139-3151.	1.4	77
40	Palaeoclimatic information from stable water isotopes of Holocene ice wedges on the Dmitrii Laptev Strait, northeast Siberia, Russia. <i>Permafrost and Periglacial Processes</i> , 2011, 22, 84-100.	1.5	53
41	Permafrost evidence for severe winter cooling during the Younger Dryas in northern Alaska. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	70
42	Lateglacial and Holocene isotopic and environmental history of northern coastal Alaska – Results from a buried ice-wedge system at Barrow. <i>Quaternary Science Reviews</i> , 2010, 29, 3720-3735.	1.4	58
43	115 year ice-core data from Akademii Nauk ice cap, Severnaya Zemlya: high-resolution record of Eurasian Arctic climate change. <i>Journal of Glaciology</i> , 2009, 55, 21-31.	1.1	20
44	Ratio of $^{36}\text{Cl}/\text{Cl}$ in ground ice of east Siberia and its application for chronometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	19
45	A 275 year ice-core record from Akademii Nauk ice cap, Severnaya Zemlya, Russian Arctic. <i>Annals of Glaciology</i> , 2005, 42, 361-366.	2.8	29