# Georg Schwamborn

List of Publications by Year
in descending order



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|---|---|---|---|
| 33 papers | 1,306 citations | 430754 18 h-index | 377752 34 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 1229 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sedimentary characteristics and origin of the Late Pleistocene Ice Complex on north-east Siberian Arctic coastal lowlands and islands â€“ A review. Quaternary International, 2011, 241, 3-25. | 0.7 | 182 |
| 2 | Late Quaternary sedimentation history of the Lena Delta. Quaternary International, 2002, 89, 119-134. | 0.7 | 136 |
| 3 | Holocene paleoenvironmental records from Nikolay Lake, Lena River Delta, Arctic Russia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 209, 197-217. | 1.0 | 88 |
| 4 | Late Quaternary History of the Accumulation Plain North of the Chekanovsky Ridge (Lena Delta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 | 0.8 | 86 |
| 5 | High-resolution seismic and ground penetrating radar-geophysical profiling of a thermokarst lake in the western Lena Delta, Northern Siberia. Permafrost and Periglacial Processes, 2002, 13, 259-269. | 1.5 | 67 |
| 6 | Ground ice and slope sediments archiving late Quaternary paleoenvironment and paleoclimate signals at the margins of El'gygytgyn Impact Crater, NE Siberia. Quaternary Research, 2006, 66, 259-272. | 1.0 | 62 |
| 7 | Late Quaternary paleoenvironmental records from the western Lena Delta, Arctic Siberia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 299, 175-196. | 1.0 | 51 |
| 8 | Sedimentary ancient DNA and pollen reveal the composition of plant organic matter in Late Quaternary permafrost sediments of the Buor Khaya Peninsula (north-eastern Siberia). Biogeosciences, 2017, 14, 575-596. | 1.3 | 50 |
| 9 | Thermokarst Processes and Depositional Events in a Tundra Lake, Northeastern Siberia. Permafrost and Periglacial Processes, 2013, 24, 160-174. | 1.5 | 48 |
| 10 | The History of Tree and Shrub Taxa on Bol'shoy Lyakhovsky Island (New Siberian Archipelago) since the Last Interglacial Uncovered by Sedimentary Ancient DNA and Pollen Data. Genes, 2017, 8, 273. | 1.0 | 41 |
| 11 | Transient modeling of the ground thermal conditions using satellite data in the Lena River delta, Siberia. Cryosphere, 2017, 11, 1441-1463. | 1.5 | 41 |
| 12 | Quartz weathering in freezeâ€“thaw cycles: experiment and application to the el'gygytgyn crater lake record for tracing siberian permafrost history. Geografiska Annaler, Series A: Physical Geography, 2012, 94, 481-499. | 0.6 | 40 |
| 13 | Vegetation history of central Chukotka deduced from permafrost paleoenvironmental records of the El'gygytgyn Impact Crater. Climate of the Past, 2012, 8, 1287-1300. | 1.3 | 39 |
| 14 | Periglacial sediment variations controlled by late Quaternary climate and lake level change at Elgygytgyn Crater, Arctic Siberia. Boreas, 2008, 37, 55-65. | 1.2 | 38 |
| 15 | Yedoma Ice Complex of the Buor Khaya Peninsula (southern Laptev Sea). Biogeosciences, 2017, 14, 1261-1283. | 1.3 | 33 |
| 16 | Late Quaternary lake-level changes of Lake El'gygytgyn, NE Siberia. Quaternary Research, 2011, 76, 441-451. | 1.0 | 32 |
| 17 | Spatial distribution of environmental indicators in surface sediments of Lake Bolshoe Toko, Yakutia, Russia. Biogeosciences, 2019, 16, 4023-4049. | 1.3 | 28 |
| 18 | Impact processes, permafrost dynamics, and climate and environmental variability in the terrestrial Arctic as inferred from the unique 3.6ÂMyr record of Lake El'gygytgyn, Far East Russia â€“ A review. Quaternary Science Reviews, 2016, 147, 221-244. | 1.4 | 27 |

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|---|---|---|---|
| 19 | Preliminary estimation of Lake El'gygytgyn water balance and sediment income. Climate of the Past, 2013, 9, 1455-1465. | 1.3 | 19 |
| 20 | The use of GPR to detect active layers in young periglacial terrain of Livingston Island, Maritime Antarctica. Near Surface Geophysics, 2008, 6, 331-336. | 0.6 | 18 |
| 21 | Depositional dynamics in the El'gygytgyn Crater margin: implications for the 3.6 Ma old sediment archive. Climate of the Past, 2012, 8, 1897-1911. | 1.3 | 18 |
| 22 | Substrate potential of last interglacial to Holocene permafrost organic matter for future microbial greenhouse gas production. Biogeosciences, 2018, 15, 1969-1985. | 1.3 | 17 |
| 23 | Past climate changes and permafrost depth at the Lake El'gygytgyn site: implications from data and thermal modeling. Climate of the Past, 2013, 9, 119-133. | 1.3 | 15 |
| 24 | Glycerol dialkyl glycerol tetraethers (GDGTs) in high latitude Siberian permafrost: Diversity, environmental controls, and implications for proxy applications. Organic Geochemistry, 2019, 136, 103888. | 0.9 | 15 |
| 25 | Internal characteristics of ice-marginal sediments deduced from georadar profiling and sediment properties (BrÃ¸gger Peninsula, Svalbard). Geomorphology, 2008, 95, 74-83. | 1.1 | 14 |
| 26 | Impact of Lake-Level and Climate Changes on Microbial Communities in a Terrestrial Permafrost Sequence of the El'gygytgyn Crater, Far East Russian Arctic. Permafrost and Periglacial Processes, 2014, 25, 107-116. | 1.5 | 14 |
| 27 | Diatom records and tephra mineralogy in pingo deposits of Seward Peninsula, Alaska. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 479, 1-15. | 1.0 | 14 |
| 28 | 3D ground-penetrating radar imaging of ice complex deposits in northern East Siberia. Geophysics, 2016, 81, WA195-WA202. | 1.4 | 12 |
| 29 | Depositional environments and salt-thickness variations in Urmia Lake (NW Iran): Insight from sediment-core studies. Journal of Sedimentary Research, 2021, 91, 296-316. | 0.8 | 11 |
| 30 | Past freeze and thaw cycling in the margin of the El'gygytgyn crater deduced from a 141 m long permafrost record. Climate of the Past, 2014, 10, 1109-1123. | 1.3 | 7 |
| 31 | Middle to Late Pleistocene lakeâ€level fluctuations of Lake El'gygytgyn, farâ€east Russian Arctic. Boreas, 2019, 48, 516-533. | 1.2 | 6 |
| 32 | Late Quaternary sedimentation dynamics in the Beenchime-Salaatinsky Crater, Northern Yakutia. Arktos, 2020, 6, 75-92. | 1.0 | 3 |
| 33 | Sediment history mirrors Pleistocene aridification in the Gobi Desert (Ejina Basin, NW China). Solid Earth, 2020, 11, 1375-1398. | 1.2 | 3 |