

# C Johan Lissenberg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1328592/publications.pdf>

Version: 2024-02-01

38  
papers

1,832  
citations

279487

23  
h-index

329751

37  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1421  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Spatial, temporal and geochemical characteristics of Silurian collision-zone magmatism, Newfoundland Appalachians: An example of a rapidly evolving magmatic system related to slab break-off. <i>Lithos</i> , 2006, 89, 377-404.                      | 0.6 | 172       |
| 2  | Melt-rock reaction in the lower oceanic crust and its implications for the genesis of mid-ocean ridge basalt. <i>Earth and Planetary Science Letters</i> , 2008, 271, 311-325.   | 1.8 | 160       |
| 3  | "Moist MORB" axial magmatism in the Oman ophiolite: The evidence against a mid-ocean ridge origin. <i>Geology</i> , 2013, 41, 459-462.   | 2.0 | 152       |
| 4  | Pervasive reactive melt migration through fast-spreading lower oceanic crust (Hess Deep, equatorial) Tj ETQq0 0 0 ggBT /Overlock 10 Tf 1.8 149   | 1.8 | 149       |
| 5  | Mantle Melting, Melt Transport, and Delivery Beneath a Slow-Spreading Ridge: The Paleo-MAR from 23°15'N to 23°45'N. <i>Journal of Petrology</i> , 2010, 51, 425-467.   | 1.1 | 133       |
| 6  | A Reactive Porous Flow Control on Mid-ocean Ridge Magmatic Evolution. <i>Journal of Petrology</i> , 2016, 57, 2195-2220.   | 1.1 | 118       |
| 7  | Zircon Dating of Oceanic Crustal Accretion. <i>Science</i> , 2009, 323, 1048-1050.   | 6.0 | 88        |
| 8  | Lower to Middle Ordovician evolution of peri-Laurentian arc and backarc complexes in Iapetus: Constraints from the Annieopsquotch accretionary tract, central Newfoundland. <i>Bulletin of the Geological Society of America</i> , 2006, 118, 324-342. | 1.6 | 57        |
| 9  | Protracted timescales of lower crustal growth at the fast-spreading East Pacific Rise. <i>Nature Geoscience</i> , 2012, 5, 275-278.  | 5.4 | 56        |
| 10 | Hydrogen incorporation and charge balance in natural zircon. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 472-486.  | 1.6 | 54        |
| 11 | Consequences of a crystal mush-dominated magma plumbing system: a mid-ocean ridge perspective. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180014.                                     | 1.6 | 52        |
| 12 | The structure and geochemistry of the gabbro zone of the Annieopsquotch ophiolite, Newfoundland: implications for lower crustal accretion at spreading ridges. <i>Earth and Planetary Science Letters</i> , 2004, 229, 105-123.                        | 1.8 | 47        |
| 13 | Dynamics of accretion of arc and backarc crust to continental margins: Inferences from the Annieopsquotch accretionary tract, Newfoundland Appalachians. <i>Tectonophysics</i> , 2009, 479, 150-164.   | 0.9 | 43        |
| 14 | Highly heterogeneous depleted mantle recorded in the lower oceanic crust. <i>Nature Geoscience</i> , 2019, 12, 482-486.  | 5.4 | 42        |
| 15 | Melt chemistry and redox conditions control titanium isotope fractionation during magmatic differentiation. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 38-54.   | 1.6 | 41        |
| 16 | The significance of plagioclase textures in mid-ocean ridge basalt (Gakkel Ridge, Arctic Ocean). <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 49.   | 1.2 | 40        |
| 17 | Assembly of the Annieopsquotch Accretionary Tract, Newfoundland Appalachians: Age and Geodynamic Constraints from Synkinematic Intrusions. <i>Journal of Geology</i> , 2005, 113, 553-570.   | 0.7 | 38        |
| 18 | Formation of fast-spreading lower oceanic crust as revealed by a new Mg-REE coupled geospeedometer. <i>Earth and Planetary Science Letters</i> , 2018, 487, 165-178.   | 1.8 | 35        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Partial Melting of Lower Oceanic Crust Gabbro: Constraints From Poikilitic Clinopyroxene Primocrysts. <i>Frontiers in Earth Science</i> , 2018, 6, .  | 0.8  | 33        |
| 20 | Reaction Between Mid-Ocean Ridge Basalt and Lower Oceanic Crust: An Experimental Study. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4390-4407.  | 1.0  | 33        |
| 21 | Geochemical constraints on the origin of the Annieopsquotch ophiolite belt, Newfoundland Appalachians. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 1413.  | 1.6  | 31        |
| 22 | A mineral and cumulate perspective to magma differentiation at Nisyros volcano, Aegean arc. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.  | 1.2  | 29        |
| 23 | Deep roots for mid-ocean-ridge volcanoes revealed by plagioclase-hosted melt inclusions. <i>Nature</i> , 2019, 572, 235-239.  | 13.7 | 27        |
| 24 | In situ Sr Isotope Compositions of Plagioclase from a Complete Stratigraphic Profile of the Bushveld Complex, South Africa: Evidence for Extensive Magma Mixing and Percolation. <i>Journal of Petrology</i> , 2017, 58, 2285-2308.                     | 1.1  | 26        |
| 25 | Magma Reservoir Formation and Evolution at a Slow-Spreading Center (Atlantis Bank, Southwest) Tj ETQq1 1 0.784314 rgBT/Overlook   | 0.8  | 21        |
| 26 | Sulfide Immiscibility Induced by Wall-Rock Assimilation in a Fault-Guided Basaltic Feeder System, Franklin Large Igneous Province, Victoria Island (Arctic Canada). <i>Economic Geology</i> , 2015, 110, 1697-1717.                                     | 1.8  | 19        |
| 27 | Emplacement and High-Temperature Evolution of Gabbros of the 16.5°N Oceanic Core Complexes (Mid-Atlantic Ridge): Insights Into the Compositional Variability of the Lower Oceanic Crust. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 46-66. | 1.0  | 19        |
| 28 | Early-Stage Melt-Rock Reaction in a Cooling Crystal Mush Beneath a Slow-Spreading Mid-Ocean Ridge (IODP Hole U1473A, Atlantis Bank, Southwest Indian Ridge). <i>Frontiers in Earth Science</i> , 2020, 8, .   | 0.8  | 19        |
| 29 | Olivine Slurry Replenishment and the Development of Igneous Layering in a Franklin Sill, Victoria Island, Arctic Canada. <i>Journal of Petrology</i> , 2015, 56, 83-112.  | 1.1  | 15        |
| 30 | Empirical and experimental constraints on Fe-Ti oxide-melt titanium isotope fractionation factors. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 253-272.   | 1.6  | 13        |
| 31 | Feedback between deformation and magmatism in the Lloyds River Fault Zone: An example of episodic fault reactivation in an accretionary setting, Newfoundland Appalachians. <i>Tectonics</i> , 2006, 25, n/a-n/a.                                       | 1.3  | 12        |
| 32 | U-Pb dating of interspersed gabbroic magmatism and hydrothermal metamorphism during lower crustal accretion, Vema lithospheric section, Mid-Atlantic Ridge. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2093-2118.                 | 1.4  | 11        |
| 33 | The geochemical effects of olivine slurry replenishment and dolostone assimilation in the plumbing system of the Franklin Large Igneous Province, Victoria Island, Arctic Canada. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.      | 1.2  | 11        |
| 34 | Characterization of the in situ magnetic architecture of oceanic crust (Hess Deep) using near-source vector magnetic data. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4130-4146.  | 1.4  | 10        |
| 35 | Evidence for a Moist to Wet Source Transition Throughout the Oman-UAE Ophiolite, and Implications for the Geodynamic History. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 651-672.  | 1.0  | 7         |
| 36 | Crystallization depth beneath an oceanic detachment fault (ODP Hole 923A, Mid-Atlantic Ridge). <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 162-180.   | 1.0  | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Caveats and challenges in geospeedometry: A reply to Faak et al.'s critique of the Mg-REE coupled geospeedometry. <i>Earth and Planetary Science Letters</i> , 2018, 502, 287-290. | 1.8 | 4         |
| 38 | Hydrothermal troctolite alteration at 300 and 400°C – Insights from flexible Au-reaction cell batch experimental investigations. <i>American Mineralogist</i> , 2021, , .          | 0.9 | 0         |