

Jan C M De Hoog

List of Publications by Year in descending order

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47
papers

3,635
citations

147801

31
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

4613
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | MPI-DING reference glasses for in situ microanalysis: New reference values for element concentrations and isotope ratios. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a. | 2.5 | 563 |
| 2 | Ancient Biomolecules from Deep Ice Cores Reveal a Forested Southern Greenland. <i>Science</i> , 2007, 317, 111-114. | 12.6 | 393 |
| 3 | Geochemistry of abyssal peridotites (Mid-Atlantic Ridge, 15°20'N, ODP Leg 209): Implications for fluid/rock interaction in slow spreading environments. <i>Chemical Geology</i> , 2006, 234, 179-210. | 3.3 | 360 |
| 4 | Trace-element geochemistry of mantle olivine and application to mantle petrogenesis and geothermobarometry. <i>Chemical Geology</i> , 2010, 270, 196-215. | 3.3 | 351 |
| 5 | Paleo-Eskimo mtDNA Genome Reveals Matrilineal Discontinuity in Greenland. <i>Science</i> , 2008, 320, 1787-1789. | 12.6 | 184 |
| 6 | Sulfur and chalcophile elements in subduction zones: constraints from a laser ablation ICP-MS study of melt inclusions from Galunggung Volcano, Indonesia. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3147-3164. | 3.9 | 161 |
| 7 | Channelized Fluid Flow and Eclogite-facies Metasomatism along the Subduction Shear Zone. <i>Journal of Petrology</i> , 2014, 55, 883-916. | 2.8 | 139 |
| 8 | Sulfur isotope systematics of basaltic lavas from Indonesia: implications for the sulfur cycle in subduction zones. <i>Earth and Planetary Science Letters</i> , 2001, 189, 237-252. | 4.4 | 116 |
| 9 | Oxidized sulfur-rich mafic magma at Mount Pinatubo, Philippines. <i>Contributions To Mineralogy and Petrology</i> , 2004, 146, 750-761. | 3.1 | 99 |
| 10 | In situ determination of sulfur isotopes in sulfur-rich materials by laser ablation multiple-collector inductively coupled plasma mass spectrometry (LA-MC-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 177-186. | 3.0 | 81 |
| 11 | Hydrous Phase Relations and Trace Element Partitioning Behaviour in Calcareous Sediments at Subduction-Zone Conditions. <i>Journal of Petrology</i> , 2015, 56, 953-980. | 2.8 | 70 |
| 12 | Insights on deep, accretionary subduction processes from the Sistan ophiolitic complex (Eastern Tj ETQq0,0 0 rgBT /Overlock | 1.4 | 62 |
| 13 | Ultrahigh-pressure metamorphism and exhumation of garnet peridotite in Pohorje, Eastern Alps. <i>Journal of Metamorphic Geology</i> , 2006, 24, 19-31. | 3.4 | 60 |
| 14 | An Experimental Study of Trace Element Fluxes from Subducted Oceanic Crust. <i>Journal of Petrology</i> , 2015, 56, 1585-1606. | 2.8 | 60 |
| 15 | Atmospheric trace metals over the south-west Indian Ocean: Total gaseous mercury, aerosol trace metal concentrations and lead isotope ratios. <i>Marine Chemistry</i> , 2010, 121, 2-16. | 2.3 | 57 |
| 16 | Sulfur and chlorine degassing from primitive arc magmas: temporal changes during the 1982-1983 eruptions of Galunggung (West Java, Indonesia). <i>Journal of Volcanology and Geothermal Research</i> , 2001, 108, 55-83. | 2.1 | 55 |
| 17 | Hydrogen incorporation and charge balance in natural zircon. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 472-486. | 3.9 | 54 |
| 18 | Halogen (F, Cl, Br, I) behaviour in subducting slabs: A study of lawsonite blueschists in western Turkey. <i>Earth and Planetary Science Letters</i> , 2016, 442, 133-142. | 4.4 | 49 |

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|----|--|-----|-----------|
| 19 | Boron isotopes in tourmaline from the ca. 3.7–3.8 Ga Isua supracrustal belt, Greenland: Sources for boron in Eoarchean continental crust and seawater. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 163, 156-177. | 3.9 | 48 |
| 20 | Volatile-induced transport of HFSE, REE, Th and U in arc magmas: evidence from zirconolite-bearing vesicles in potassic lavas of Lewotolo volcano (Indonesia). <i>Contributions To Mineralogy and Petrology</i> , 2000, 139, 485-502. | 3.1 | 47 |
| 21 | Boron Isotopes as a Tracer of Subduction Zone Processes. <i>Advances in Isotope Geochemistry</i> , 2018, , 217-247. | 1.4 | 47 |
| 22 | Aerosol trace metals, particle morphology and total gaseous mercury in the atmosphere of Oxford, UK. <i>Atmospheric Environment</i> , 2010, 44, 1524-1538. | 4.1 | 46 |
| 23 | Serpentinised peridotites from an ultrahigh-pressure terrane in the Pohorje Mts. (Eastern Alps). <i>Tj ETQq1 1 0.784314 rgBT /Oyerlock 10</i> | 1.4 | 44 |
| 24 | Boron isotopic composition of tourmaline, prismaticine, and grandidierite from granulite facies paragneisses in the Larsemann Hills, Prydz Bay, East Antarctica: Evidence for a non-marine evaporite source. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 261-283. | 3.9 | 38 |
| 25 | Temporal variations in the influence of the subducting slab on Central Andean arc magmas: Evidence from boron isotope systematics. <i>Earth and Planetary Science Letters</i> , 2014, 408, 390-401. | 4.4 | 35 |
| 26 | First measurements of OH-C exchange and temperature-dependent partitioning of OH and halogens in the system apatite–silicate melt. <i>American Mineralogist</i> , 2018, 103, 260-270. | 1.9 | 35 |
| 27 | Phase relations during peak metamorphism and decompression of the UHP kyanite eclogites, Pohorje Mountains (Eastern Alps, Slovenia). <i>Lithos</i> , 2012, 144-145, 40-55. | 1.4 | 34 |
| 28 | Titanium- and water-rich metamorphic olivine in high-pressure serpentinites from the Voltri Massif (Ligurian Alps, Italy): evidence for deep subduction of high-field strength and fluid-mobile elements. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1. | 3.1 | 34 |
| 29 | Volcanogenic pollution by acid water discharges along Ciwidey River, West Java (Indonesia). <i>Journal of Geochemical Exploration</i> , 1998, 62, 161-182. | 3.2 | 33 |
| 30 | Cadmium and phosphate in coastal Antarctic seawater: Implications for Southern Ocean nutrient cycling. <i>Marine Chemistry</i> , 2008, 112, 149-157. | 2.3 | 33 |
| 31 | Hydrogen-isotope systematics in degassing basaltic magma and application to Indonesian arc basalts. <i>Chemical Geology</i> , 2009, 266, 256-266. | 3.3 | 32 |
| 32 | Isotopic Compositions (Li, B, Si, O, Mg, Sr, Nd, Hf, Pb) and Fe ²⁺ /Fe ³⁺ Ratios of Three Synthetic Andesite Glass Reference Materials (ARM-1, ARM-2, ARM-3). <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 719-745. | 3.1 | 32 |
| 33 | Eclogite-hosting metapelites from the Pohorje Mountains (Eastern Alps): P-T evolution, zircon geochronology and tectonic implications. <i>European Journal of Mineralogy</i> , 2010, 21, 1191-1212. | 1.3 | 29 |
| 34 | Investigating ocean island mantle source heterogeneity with boron isotopes in melt inclusions. <i>Earth and Planetary Science Letters</i> , 2019, 508, 97-108. | 4.4 | 21 |
| 35 | Boron isotope record of peak metamorphic ultrahigh-pressure and retrograde fluid–rock interaction in white mica (Lago di Cignana, Western Alps). <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 20. | 3.1 | 20 |
| 36 | A limited role for metasomatized subarc mantle in the generation of boron isotope signatures of arc volcanic rocks. <i>Geology</i> , 2019, 47, 517-521. | 4.4 | 18 |

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|----|--|-----|-----------|
| 37 | Deciphering variable mantle sources and hydrous inputs to arc magmas in Kamchatka. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116848. | 4.4 | 13 |
| 38 | Multiple subduction imprints in the mantle below Italy detected in a single lava flow. <i>Earth and Planetary Science Letters</i> , 2016, 449, 12-19. | 4.4 | 12 |
| 39 | Trace-element geochemistry of diamond-hosted olivine inclusions from the Akwatia Mine, West African Craton: implications for diamond paragenesis and geothermobarometry. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1. | 3.1 | 12 |
| 40 | The cadmium-phosphate relationship in brine: biological versus physical control over micronutrients in sea ice environments. <i>Antarctic Science</i> , 2010, 22, 11. | 0.9 | 11 |
| 41 | Boron isotopic signatures of melt inclusions from North Iceland reveal recycled material in the Icelandic mantle source. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 294, 273-294. | 3.9 | 10 |
| 42 | Formation process of dunites and chromitites in Orhaneli and Harmanck ophiolites (NW Turkey): Evidence from in-situ Li isotopes and trace elements in olivine. <i>Lithos</i> , 2020, 376-377, 105773. | 1.4 | 9 |
| 43 | Matrix Effects During ⁴¹ SiMS Measurement of the Lithium Mass Fractions of Silicate Glasses: Correction Procedures and Updated Preferred Values of Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 513-522. | 3.1 | 8 |
| 44 | Notes on the chemical composition of zirconolite with thorutite inclusions from Walaweduwa, Sri Lanka. <i>Mineralogical Magazine</i> , 1997, 61, 721-725. | 1.4 | 8 |
| 45 | Ultramafic Cumulates of Oceanic Affinity in an Intracontinental Subduction Zone. , 2011, , 399-439. | | 5 |
| 46 | Constraints on the behaviour and content of volatiles in Galpagos magmas from melt inclusions and nominally anhydrous minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2021, , . | 3.9 | 3 |
| 47 | Comments on ‘Garnet-bearing ultramafic rocks from the Dominican Republic: Fossil mantle plume fragments in an ultra high pressure oceanic complex?’ by Gazel et al. [<i>Lithos</i> 125 (2011) 393-404]. <i>Lithos</i> , 2012, 134-135, 330-334. | 1.4 | 2 |