

# Jan M Huizenga

## List of Publications by Year in descending order

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73  
papers

1,420  
citations

304743

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73  
docs citations

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times ranked

1035  
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#	ARTICLE	IF	CITATIONS
1	Composition and Evolution of Fluids Forming the Baiyinnuo <sup>TM</sup> Zn-Pb Skarn Deposit, Northeastern China: Insights from Laser Ablation ICP-MS Study of Fluid Inclusions*. <i>Economic Geology</i> , 2017, 112, 1441-1460.	3.8	93
2	Thermodynamic modelling of CO <sub>2</sub> -H <sub>2</sub> O fluids. <i>Lithos</i> , 2001, 55, 101-114.	1.4	84
3	Fluid-assisted granulite metamorphism: A continental journey. <i>Gondwana Research</i> , 2012, 21, 224-235.	6.0	79
4	Deposition of highly crystalline graphite from moderate-temperature fluids. <i>Geology</i> , 2009, 37, 275-278.	4.4	75
5	Vein graphite deposits: geological settings, origin, and economic significance. <i>Mineralium Deposita</i> , 2014, 49, 261-277.	4.1	72
6	Thermodynamic modelling of a cooling CO <sub>2</sub> -H <sub>2</sub> O fluid-graphite system: implications for hydrothermal graphite precipitation. <i>Mineralium Deposita</i> , 2011, 46, 23-33.	4.1	54
7	Diamond formation by carbon saturation in CO <sub>2</sub> -H <sub>2</sub> O fluids during cold subduction of oceanic lithosphere. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 68-86.	3.9	52
8	Granulites, CO <sub>2</sub> and graphite. <i>Gondwana Research</i> , 2012, 22, 799-809.	6.0	50
9	Structural and P-T Evolution of a Major Cross Fold in the Central Zone of the Limpopo High-Grade Terrain, South Africa. <i>Journal of Petrology</i> , 2004, 45, 1413-1439.	2.8	49
10	Charnockite microstructures: From magmatic to metamorphic. <i>Geoscience Frontiers</i> , 2012, 3, 745-753.	8.4	47
11	The graphite deposit at Borrowdale (UK): A catastrophic mineralizing event associated with Ordovician magmatism. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2429-2449.	3.9	43
12	COH, an Excel spreadsheet for composition calculations in the CO <sub>2</sub> -H <sub>2</sub> O fluid system. <i>Computers and Geosciences</i> , 2005, 31, 797-800.	4.2	40
13	Fluids in granulites of the Southern Marginal Zone of the Limpopo Belt, South Africa. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 529-545.	3.1	34
14	The Paleoproterozoic carbonate-hosted Pering Zn-Pb deposit, South Africa. II: fluid inclusion, fluid chemistry and stable isotope constraints. <i>Mineralium Deposita</i> , 2006, 40, 686-706.	4.1	33
15	LA-ICP-MS trace element analysis of magnetite and pyrite from the Hetaoping Fe-Zn-Pb skarn deposit in Baoshan block, SW China: Implications for ore-forming processes. <i>Ore Geology Reviews</i> , 2020, 117, 103309.	2.7	32
16	Precambrian intraplate magmatism: high temperature, low pressure crustal granulites. <i>Journal of African Earth Sciences</i> , 1999, 28, 367-382.	2.0	30
17	High-temperature granulites and supercontinents. <i>Geoscience Frontiers</i> , 2016, 7, 101-113.	8.4	29
18	Zircon U-Pb geochronology and geochemistry of the intrusions associated with the Jiawula Ag-Pb-Zn deposit in the Great Xing <sup>TM</sup> an Range, NE China and their implications for mineralization. <i>Ore Geology Reviews</i> , 2017, 86, 35-54.	2.7	28

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19	Petrology of the Machangqing Complex in Southeastern Tibet: Implications for the Genesis of Potassium-rich Adakite-like Intrusions in Collisional Zones. <i>Journal of Petrology</i> , 2021, 62, .	2.8	28
20	Fluid inclusions in shear zones: The case of the Umwindsi shear zone in the Harare-Shamva-Bindura greenstone belt, NE Zimbabwe. <i>European Journal of Mineralogy</i> , 1999, 11, 1079-1090.	1.3	28
21	Fluids in granulites. , 2011, , .		25
22	Fluid-rock interaction in retrograde granulites of the Southern Marginal Zone, Limpopo high grade terrain, South Africa. <i>Geoscience Frontiers</i> , 2014, 5, 673-682.	8.4	25
23	Fluid-rock interaction during high-grade metamorphism: Instructive examples from the Southern Marginal Zone of the Limpopo Complex, South Africa. <i>Precambrian Research</i> , 2014, 253, 63-80.	2.7	24
24	Nature and origin of the protolith succession to the Paleoproterozoic Serra do Navio manganese deposit, Amapa Province, Brazil. <i>Ore Geology Reviews</i> , 2012, 47, 59-76.	2.7	22
25	Vein-type graphite deposits in Sri Lanka: The ultimate fate of granulite fluids. <i>Chemical Geology</i> , 2019, 508, 167-181.	3.3	20
26	Diamond precipitation from ascending reduced fluids in the Kaapvaal lithosphere: Thermodynamic constraints. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 67-76.	1.2	19
27	The genesis of the Hehuashan Pb-Zn deposit and implications for the Pb-Zn prospectivity of the Tongling district, Middle-Lower Yangtze River Metallogenic Belt, Anhui Province, China. <i>Ore Geology Reviews</i> , 2018, 101, 105-121.	2.7	19
28	Multi-stage crustal melting from Late Permian back-arc extension through Middle Triassic continental collision to Late Triassic post-collisional extension in the East Kunlun Orogen. <i>Lithos</i> , 2020, 360-361, 105446.	1.4	16
29	Geology, geochronology and geochemistry of the Miocene Jiaoxi quartz vein-type W deposit in the western part of the Lhasa Terrane, Tibet: Implications for ore genesis. <i>Ore Geology Reviews</i> , 2020, 120, 103433.	2.7	15
30	Crustal thickening prior to 43 Ma in the Himalaya: Evidence from lower crust-derived adakitic magmatism in Dala, eastern Tethyan Himalaya, Tibet. <i>Geological Journal</i> , 2020, 55, 4021-4046.	1.3	14
31	Ore-fluid geochemistry of the Hehuashan Pb-Zn deposit in the Tongling ore district, Anhui province, China: Evidence from REE and H-O isotopes of calcite. <i>Ore Geology Reviews</i> , 2020, 117, 103279.	2.7	14
32	A Ni- and PGE-enriched quartz norite impact melt complex in the Late Jurassic Morokweng impact structure, South Africa. , 1999, , .		13
33	Rare earth element enrichment in the ion-adsorption deposits associated granites at Mesozoic extensional tectonic setting in South China. <i>Ore Geology Reviews</i> , 2021, 137, 104317.	2.7	13
34	The Neoarchaean Limpopo Orogeny: Exhumation and Regional-Scale Gravitational Crustal Overturn Driven by a Granulite Diapir. <i>Regional Geology Reviews</i> , 2019, , 185-224.	1.2	11
35	Source and evolution of the ore-forming fluid of the Cuonadong Sn-W-Be polymetallic deposit (southern Tibet, China): Constraints from scheelite trace element and Sr isotope geochemistry. <i>Ore Geology Reviews</i> , 2022, 142, 104570.	2.7	11
36	Fluids and eoigenetic gold mineralisation at Shamva Mine, Zimbabwe: a combined structural and fluid inclusion study. <i>Journal of African Earth Sciences</i> , 1998, 27, 55-70.	2.0	10

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37	Characterisation of the inorganic chemistry of surface waters in South Africa. <i>Water S A</i> , 2011, 37, .	0.4	10
38	Alteration paragenesis and the timing of mineralised quartz veins at the world-class Geita Hill gold deposit, Geita Greenstone Belt, Tanzania. <i>Ore Geology Reviews</i> , 2017, 91, 765-779.	2.7	9
39	Delineating the structural controls on the genesis of iron oxide- $\text{Cu}$ - $\text{Au}$ deposits through implicit modelling: a case study from the E1 Group, Cloncurry District, Australia. <i>Geological Society Special Publication</i> , 2018, 453, 349-384.	1.3	9
40	Formation of Late Cretaceous high-Mg granitoid porphyry in central Lhasa, Tibet: Implications for crustal thickening prior to India-Asia collision. <i>Geological Journal</i> , 2020, 55, 6696-6717.	1.3	9
41	Carbonic fluid inclusions in Paleoproterozoic carbonate-hosted Zn-Pb deposits in Griqualand West, South Africa. <i>South African Journal of Geology</i> , 2006, 109, 55-62.	1.2	7
42	40 Ar/ 39 Ar geochronology, fluid inclusions, and ore-grade distribution of the Jiawula Ag-Pb-Zn deposit, NE China : Implications for deposit genesis and exploration. <i>Geological Journal</i> , 2020, 55, 1115-1127.	1.3	7
43	Generation and structural modification of the giant Kengdenongshe VMS-type Au-Ag-Pb-Zn polymetallic deposit in the East Kunlun Orogen, East Tethys: Constraints from geology, fluid inclusions, noble gas and stable isotopes. <i>Ore Geology Reviews</i> , 2021, 131, 104041.	2.7	7
44	Constraining the genesis of tungsten mineralization in the Jiaoxi deposit, Tibet: A fluid inclusion and H, O, S and Pb isotope investigation. <i>Ore Geology Reviews</i> , 2021, 139, 104448.	2.7	7
45	Key factors controlling massive graphite deposition in volcanic settings: an example of a self-organized critical system. <i>Journal of the Geological Society</i> , 2012, 169, 269-277.	2.1	6
46	Biotite chemistry and the role of halogens in Archaean greenstone hosted gold deposits: A case study from Geita Gold Mine, Tanzania. <i>Ore Geology Reviews</i> , 2019, 111, 102982.	2.7	6
47	Reconstruction of an Early Permian, Sublacustrine Magmatic-Hydrothermal System: Mount Carlton Epithermal Au-Ag-Cu Deposit, Northeastern Australia. <i>Economic Geology</i> , 2020, 115, 129-152.	3.8	6
48	The Watershed Tungsten Deposit, Northeast Queensland, Australia: Permian Metamorphic Tungsten Mineralization Overprinting Carboniferous Magmatic Tungsten. <i>Economic Geology</i> , 2021, 116, 427-451.	3.8	6
49	Topaz, Aquamarine, and Other Beryls from Klein Spitzkoppe, Namibia. <i>Gems &amp; Gemology</i> , 1998, 34, 114-125.	0.6	6
50	Granitic magma evolution to magmatic-hydrothermal processes vital to the generation of HREEs ion-adsorption deposits: Constraints from zircon texture, U-Pb geochronology, and geochemistry. <i>Ore Geology Reviews</i> , 2022, 146, 104931.	2.7	6
51	Granite emplacement and the retrograde P-T-fluid evolution of Neoproterozoic granulites from the Central Zone of the Limpopo Complex. , 2011, , .		5
52	Mineralogical and isotopic characterization of graphite deposits in the western part of the North Qaidam Orogen and East Kunlun Orogen, northeast Tibetan Plateau, China. <i>Ore Geology Reviews</i> , 2020, 126, 103788.	2.7	5
53	Zircon $\text{U-Pb}$ ages, geochemistry, and $\text{Sr-Nd-Pb-Hf}$ isotopes of the Muganggri monzogranite in the southern Qiangtang of Tibet, western China: Implications for the evolution of the Bangong $\text{Co-Nujiang}$ Mesotethyan Ocean. <i>Geological Journal</i> , 2021, 56, 3170-3186.	1.3	5
54	Geological setting and mineralization characteristics of the Tick Hill Gold Deposit, Mount Isa Inlier, Queensland, Australia. <i>Ore Geology Reviews</i> , 2021, 137, 104288.	2.7	5

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55	Infra-supra structure relations of a microcline-granite dome in the Somero area, Svecofennides, SW Finland. <i>Bulletin of the Geological Society of Finland</i> , 1989, 61, 131-141.	0.8	5
56	Composition and evolution of the continental crust: Retrospect and prospect. <i>Geoscience Frontiers</i> , 2022, 13, 101428.	8.4	5
57	Technical note: An inorganic water chemistry dataset (1972–2011) of rivers, dams and lakes in South Africa. <i>Water S A</i> , 2013, 39, .	0.4	4
58	Fluid inclusion and stable isotope constraints on the heavy rare earth element mineralisation in the Browns Range Dome, Tanami Region, Western Australia. <i>Ore Geology Reviews</i> , 2019, 113, 103068.	2.7	4
59	Hypozonal orogenic gold mineralization in the Giyani Goldfield, Northern Kaapvaal Craton/Limpopo Complex. <i>South African Journal of Geology</i> , 2019, 122, 455-488.	1.2	4
60	Large-Scale Fluid Transfer between Mantle and Crust during Supercontinent Amalgamation and Disruption. <i>Russian Geology and Geophysics</i> , 2020, 61, 527-542.	0.7	4
61	Geochronological constraints on the geological history and gold mineralization in the Tick Hill region, Mt Isa Inlier. <i>Precambrian Research</i> , 2021, 366, 106422.	2.7	4
62	Geological and anthropogenic influences on the inorganic water chemistry of the Jukskei River, Gauteng, South Africa. <i>South African Journal of Geology</i> , 2005, 108, 439-447.	1.2	3
63	The strontium isotope distribution in water and sh within major South African catchments. <i>Water S A</i> , 2016, 42, 213.	0.4	3
64	Trace element associations in magnetite and hydrothermal pyrite from the Geita Hill gold deposit, Tanzania. <i>Journal of Geochemical Exploration</i> , 2020, 209, 106418.	3.2	3
65	Geological significance of Early Triassic porphyry Cu mineralization in the eastern Xar Moron–Changchun Metallogenic Belt, northeast China: A case study of the newly-discovered Guokuidingzi Cu deposit. <i>Ore Geology Reviews</i> , 2021, 133, 104092.	2.7	3
66	The major and trace element chemistry of fish and lake water within major South African catchments. <i>Water S A</i> , 2016, 42, 112.	0.4	2
67	Pre-Late Eocene position of the L <sup>1</sup> / <sub>4</sub> chun-Jinping microblock in western Yangtze Craton: Constraints from Eocene-Oligocene lamprophyres in southeastern Tibet. <i>Lithos</i> , 2022, 414-415, 106622.	1.4	2
68	Quartz oxygen isotopes from Tick Hill area in Mount Isa Inlier: indication of a regional fluid overprint. <i>Australian Journal of Earth Sciences</i> , 2022, 69, 439-452.	1.0	1
69	Chapter 8: The World-Class Gold Deposits in the Geita Greenstone Belt, Northwestern Tanzania. , 2020, , 163-183.		1
70	Fluid evolution in the Pote Shear Zone Harare-Shamva-Bindura greenstone belt (northeast Zimbabwe). <i>Journal of African Earth Sciences</i> , 1999, 28, 311-324.	2.0	0
71	TRACING CRUSTAL-SCALE FLUID PATHWAYS UNDER COVER WITH MAGNETOTELLURIC IMAGING. , 2020, , .		0
72	Mineralogical Characterization of Manganese Oxide Minerals of the Devonian Xialei Manganese Deposit. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1243.	2.0	0

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73	Petrogenesis of the quartz diorite from the Lietinggang-Leqingla Pb-Zn-Fe-Cu-(Mo) deposit in southern Tibet: Implications for the genesis of a skarn-type polymetallic deposit in the Tibetan-Himalayan collisional orogen. <i>Ore Geology Reviews</i> , 2022, 145, 104920.	2.7	0