

David Cornell

List of Publications by Year in descending order

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52
papers

1,891
citations

218592

26
h-index

254106

43
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52
all docs

52
docs citations

52
times ranked

1367
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace-element geochemistry of mantle olivine and application to mantle petrogenesis and geothermobarometry. <i>Chemical Geology</i> , 2010, 270, 196-215.	1.4	351
2	The Kibaran of southern Africa: Tectonic evolution and metallogeny. <i>Ore Geology Reviews</i> , 1994, 9, 131-160.	1.1	155
3	Ion-probe dating of 1.2Ga collision and crustal architecture in the Namaqua-Natal Province of southern Africa. <i>Precambrian Research</i> , 2007, 158, 79-92.	1.2	85
4	Apatite in early Archean Isua supracrustal rocks, southern West Greenland: its origin, association with graphite and potential as a biomarker. <i>Precambrian Research</i> , 2002, 118, 221-241.	1.2	78
5	Sveconorwegian (-Grenvillian) deformation, metamorphism and leucosome formation in SW Sweden, SW Baltic Shield: constraints from a Mesoproterozoic granite intrusion. <i>Precambrian Research</i> , 1999, 98, 151-171.	1.2	75
6	New Insights into the Geology of the Namaqua Tectonic Province, South Africa, from Ion Probe Dating of Detrital and Metamorphic Zircon. <i>Journal of Geology</i> , 2003, 111, 347-366.	0.7	70
7	Rare earths from supernova to superconductor. <i>Pure and Applied Chemistry</i> , 1993, 65, 2453-2464.	0.9	61
8	Dating mafic-ultramafic intrusions by ion-microprobing contact-melt zircon: examples from SW Sweden. <i>Contributions To Mineralogy and Petrology</i> , 2000, 139, 115-125.	1.2	58
9	Crustal evolution of the Rehoboth Province from Archaean to Mesoproterozoic times: Insights from the Rehoboth Basement Inlier. <i>Precambrian Research</i> , 2014, 240, 22-36.	1.2	48
10	The alkaline porphyry associated Yao'an gold deposit, Yunnan, China: rare earth element and stable isotope evidence for magmatic-hydrothermal ore formation. <i>Mineralium Deposita</i> , 2004, 39, 21-30.	1.7	43
11	A collision-related pressure-temperature-time path for Prieska copper mine, namaqua-natal tectonic province, South Africa. <i>Precambrian Research</i> , 1992, 59, 43-71.	1.2	42
12	Three Compositional Varieties of Rare-Earth Element Ore: Eudialyte-Group Minerals from the Norra K�arr Alkaline Complex, Southern Sweden. <i>Minerals (Basel, Switzerland)</i> , 2013, 3, 94-120.	0.8	41
13	Ion probe zircon dating of metasediments from the Areachap and Kakamas Terranes, Namaqua-Natal Province and the stratigraphic integrity of the Areachap Group. <i>South African Journal of Geology</i> , 2007, 110, 575-584.	0.6	39
14	A New Chronostratigraphic Paradigm for the Age and Tectonic History of the Mesoproterozoic Bushmanland Ore District, South Africa. <i>Economic Geology</i> , 2009, 104, 385-404.	1.8	39
15	REE composition of primary and altered feldspar from the mineralized alteration zone of alkaline intrusive rocks, western Yunnan Province, China. <i>Ore Geology Reviews</i> , 2002, 19, 69-78.	1.1	36
16	Ion probe dating of a migmatite in SW Sweden: the fate of zircon in crustal processes. <i>Precambrian Research</i> , 2004, 130, 251-266.	1.2	34
17	ZIRCON U-PB EMPLACEMENT AND ND-HF CRUSTAL RESIDENCE AGES OF THE STRAUSSBURG GRANITE AND FRIERSDALE CHARNOCKITE IN THE NAMAQUA-NATAL PROVINCE, SOUTH AFRICA. <i>South African Journal of Geology</i> , 2012, 115, 465-484.	0.6	33
18	Rare earth element and isotopic evidence for the genesis of the Prieska massive sulfide deposit, South Africa. <i>Economic Geology</i> , 1989, 84, 49-63.	1.8	32

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19	Eclogites in the central part of the Sveconorwegian Eastern Segment of the Baltic Shield: Support for an extensive eclogite terrane. <i>Gff</i> , 2005, 127, 221-232.	0.4	32
20	Geochronology of Mesoproterozoic hybrid intrusions in the Konkiep Terrane, Namibia, from passive to active continental margin in the Namaqua-Natal Wilson Cycle. <i>Precambrian Research</i> , 2015, 265, 166-188.	1.2	32
21	Sm-Nd data for granitoids across the Namaqua sector of the Namaqua-Natal Province, South Africa. <i>Geological Society Special Publication</i> , 2009, 323, 219-230.	0.8	31
22	Three episodes of crustal development in the Rehoboth Province, Namibia. <i>Geological Society Special Publication</i> , 2011, 357, 27-47.	0.8	30
23	Igneous and metamorphic geochronologic evolution of granitoids in the central Eastern Segment, southern Sweden. <i>International Geology Review</i> , 2012, 54, 509-546.	1.1	30
24	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.	0.4	29
25	Geochronological constraints on the Hartbees River Thrust and Augrabies Nappe: New insights into the assembly of the Mesoproterozoic Namaqua-Natal Province of Southern Africa. <i>Precambrian Research</i> , 2015, 265, 150-165.	1.2	29
26	A volcanic-exhalative origin for the world's largest (Kalahari) Manganese field. <i>Mineralium Deposita</i> , 1995, 30, 146.	1.7	28
27	Evidence from Dwyka tillite cobbles of Archaean basement beneath the Kalahari sands of southern Africa. <i>Lithos</i> , 2011, 125, 482-502.	0.6	26
28	Age and tectonic setting of BocÅŸa and Ocna de Fier - Dognecea granodiorites (southwest Romania) and of associated skarn mineralisation. <i>Mineralium Deposita</i> , 1999, 34, 743-753.	1.7	23
29	Geochemistry and Ar-40/Ar-39 muscovite ages of the Daraban Leucogranite, Mawat Ophiolite, northeastern Iraq: Implications for Arabia-Eurasia continental collision. <i>Journal of Asian Earth Sciences</i> , 2014, 86, 151-165.	1.0	22
30	Geochemistry and metamorphism of the Prieska Zn-Cu deposit, South Africa. <i>Economic Geology</i> , 1989, 84, 34-48.	1.8	17
31	Evidence of kimberlite-grospydite reaction. <i>Contributions To Mineralogy and Petrology</i> , 1974, 45, 153-160.	1.2	16
32	Determination of organotin compounds by capillary supercritical fluid chromatography with inductively coupled plasma mass spectrometric detection. <i>Journal of Chromatography A</i> , 1994, 683, 223-231.	1.8	15
33	On-line capillary supercritical fluid chromatography-inductively coupled plasma mass spectrometry for the analysis of organometallic compounds. <i>Journal of High Resolution Chromatography</i> , 1995, 18, 33-37.	2.0	15
34	Character and origin of variably deformed granitoids in central southern Sweden: implications from geochemistry and Nd isotopes. <i>Geological Journal</i> , 2011, 46, 597-618.	0.6	15
35	U-Pb zircon geochronology of the Daraban leucogranite, Mawat ophiolite, Northeastern Iraq: A record of the subduction to collision history for the Arabia-Eurasia plates. <i>Island Arc</i> , 2017, 26, e12188.	0.5	15
36	Precise microbeam dating defines three Archaean granitoid suites at the southwestern margin of the Kaapvaal Craton. <i>Precambrian Research</i> , 2018, 304, 21-38.	1.2	14

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37	Feasibility of total-rock Pb–Pb dating of metamorphosed banded iron formation; The Marydale Group, southern Africa. <i>Chemical Geology: Isotope Geoscience Section</i> , 1986, 59, 255-271.	0.7	13
38	Petrology and geochronology of low-pressure mafic granulites in the Marydale Group, South Africa. <i>Lithos</i> , 1989, 22, 287-303.	0.6	13
39	Age, tectonic setting and petrogenesis of the Habo Volcanic Suite: Evidence for an active continental margin setting for the Transscandinavian Igneous Belt. <i>Gff</i> , 2008, 130, 123-138.	0.4	13
40	Age and tectonic significance of the Banana Beach Gneiss, KwaZulu-Natal South Coast, South Africa. <i>South African Journal of Geology</i> , 2006, 109, 335-340.	0.6	12
41	A NEW CHRONOSTRATIGRAPHIC PARADIGM FOR THE AGE AND TECTONIC HISTORY OF THE MESOPROTEROZOIC BUSHMANLAND ORE DISTRICT, SOUTH AFRICA—A REPLY. <i>Economic Geology</i> , 2009, 104, 1282-1285.	1.8	12
42	Ion microprobe discovery of Archaean and Early Proterozoic zircon xenocrysts in southwest Sweden. <i>Gff</i> , 2000, 122, 377-383.	0.4	11
43	The Plat Sjambok Anorthosite and its tonalitic country rocks: Mesoproterozoic pre-tectonic intrusions in the Kaaien Terrane, Namaqua–Natal Province, southern Africa. <i>International Geology Review</i> , 2013, 55, 1471-1489.	1.1	11
44	A post-Transvaal age for the Marydale Formation, Kheis Group, Southern Africa. <i>Earth and Planetary Science Letters</i> , 1977, 37, 117-123.	1.8	10
45	P-T conditions during skarn formation in the Ocna de Fier ore district, Romania. <i>Mineralium Deposita</i> , 1999, 34, 730-742.	1.7	10
46	Geochronology and tectonic evolution of the Hohewarte Complex, central Namibia: New insights in Paleoproterozoic to Early Neoproterozoic crustal accretion processes. <i>Journal of African Earth Sciences</i> , 2014, 99, 228-244.	0.9	9
47	Nature and stratigraphic position of the 1614 Ma Delsj�n augen granite-gneiss in the Median Segment of south-west Sweden. <i>Gff</i> , 2006, 128, 21-32.	0.4	8
48	Mg-rich staurolite and kyanite inclusions in metabasic garnet amphibolite from the Swedish Eastern Segment: evidence for a Mesoproterozoic subduction event. <i>European Journal of Mineralogy</i> , 2011, 23, 609-631.	0.4	8
49	Baddeleyite geochronology and geochemistry of mafic cobbles from the Dwyka diamictite: New insights into the sub-Kalahari basement, South Africa. <i>Lithos</i> , 2011, 126, 307-320.	0.6	8
50	Molybdenum mineralization at Alpeiner Scharte, Tyrol (Austria): results of in-situ U/Pb zircon and Re/Os molybdenite dating. <i>Mineralogy and Petrology</i> , 2004, 82, 33-64.	0.4	7
51	Documentation of a hydrous ultramafic magma intrusion in the 1.62 Ga crust of southern Sweden. <i>Gff</i> , 2000, 122, 251-255.	0.4	5
52	Development of living organisms on the lava-water interface of Palaeoproterozoic Ongeluk lavas of South Africa. , 2008, , .		2