

Wolf Uwe Reimold

List of Publications by Year in descending order

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236612

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docs citations

77
times ranked

2379
citing authors

#	ARTICLE	IF	CITATIONS
1	The Chicxulub Asteroid Impact and Mass Extinction at the Cretaceous-Paleogene Boundary. <i>Science</i> , 2010, 327, 1214-1218.	6.0	1,140
2	A TEM investigation of shock metamorphism in quartz from the Vredefort dome, South Africa. <i>Tectonophysics</i> , 1994, 230, 223-239.	0.9	117
3	Integrated geophysical modelling of a giant, complex impact structure: anatomy of the Vredefort Structure, South Africa. <i>Tectonophysics</i> , 1998, 287, 1-20.	0.9	111
4	Impact structures in Africa: A review. <i>Journal of African Earth Sciences</i> , 2014, 93, 57-175.	0.9	110
5	Roter Kamm impact crater, Namibia: Geochemistry of basement rocks and breccias. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2689-2710.	1.6	97
6	Morokweng, South Africa: A large impact structure of Jurassic-Cretaceous boundary age. <i>Geology</i> , 1997, 25, 731.	2.0	93
7	Re-Os isotope and geochemical study of the Vredefort Granophyre: Clues to the origin of the Vredefort structure, South Africa. <i>Geology</i> , 1996, 24, 913.	2.0	90
8	The melt rocks of the Vredefort impact structure – Vredefort Granophyre and pseudotachylitic breccias: Implications for impact cratering and the evolution of the Witwatersrand Basin. <i>Chemie Der Erde</i> , 2006, 66, 1-35.	0.8	61
9	Geochemistry of 2.63–2.49Ga impact spherule layers and implications for stratigraphic correlations and impact processes. <i>Precambrian Research</i> , 2009, 175, 51-76.	1.2	54
10	Geochemistry and petrology of Witwatersrand and Dwyka diamictites from South Africa: search for an extraterrestrial component. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2007-2016.	1.6	53
11	Shock Metamorphism of Bosumtwi Impact Crater Rocks, Shock Attenuation, and Uplift Formation. <i>Science</i> , 2008, 322, 1678-1681.	6.0	49
12	Early Archaean spherule beds in the Barberton Mountain Land, South Africa: no evidence for impact origin. <i>Precambrian Research</i> , 1995, 74, 1-33.	1.2	44
13	Impact controversies: Impact recognition criteria and related issues. <i>Meteoritics and Planetary Science</i> , 2014, 49, 723-731.	0.7	44
14	The current state of knowledge about shatter cones: Introduction to the special issue. <i>Meteoritics and Planetary Science</i> , 2016, 51, 1389-1434.	0.7	44
15	Geochemistry and petrography of impact breccias and target rocks from the 145 Ma Morokweng impact structure, South Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 1837-1862.	1.6	39
16	Uppermost impact fallback layer in the Bosumtwi crater (Ghana): Mineralogy, geochemistry, and comparison with Ivory Coast tektites. <i>Meteoritics and Planetary Science</i> , 2007, 42, 709-729.	0.7	39
17	Geochemical evidence for an impact origin for a Late Archean spherule layer, Transvaal Supergroup, South Africa. <i>Geology</i> , 2000, 28, 1103.	2.0	36
18	Anomalous quartz from the roter kamm impact crater, Namibia: Evidence for post-impact hydrothermal activity?. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 2113-2118.	1.6	35

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19	A deep drillcore from the Morokweng impact structure, South Africa: petrography, geochemistry, and constraints on the crater size. <i>Earth and Planetary Science Letters</i> , 2002, 201, 221-232.	1.8	33
20	Magnetic and gravity model of the Morokweng impact structure. <i>Journal of Applied Geophysics</i> , 2002, 49, 129-147.	0.9	33
21	Shock pressure distribution in the Vredefort impact structure, South Africa. , 2005, , .		33
22	Kalkkop Crater, Cape Province, South Africa: Confirmation of impact origin using osmium isotope systematics. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 1229-1234.	1.6	32
23	An extended field of crater-shaped structures in the Gilf Kebir region, Egypt: Observations and hypotheses about their origin. <i>Journal of African Earth Sciences</i> , 2006, 46, 281-299.	0.9	32
24	El'gygytyn impact crater, Chukotka, Arctic Russia: Impact cratering aspects of the 2009 ICDP drilling project. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1108-1129.	0.7	31
25	Comparison of the osmium and chromium isotopic methods for the detection of meteoritic components in impactites: Examples from the Morokweng and Vredefort impact structures, South Africa. , 2002, , .		30
26	Saltpan impact crater, South Africa: Geochemistry of target rocks, breccias, and impact glasses, and osmium isotope systematics. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 2893-2910.	1.6	29
27	The Aouelloul crater, Mauritania: On the problem of confirming the impact origin of a small crater. <i>Meteoritics and Planetary Science</i> , 1998, 33, 513-517.	0.7	27
28	Silicate liquid immiscibility in impact melts. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1594-1632.	0.7	25
29	The age of the Roter Kamm impact crater, Namibia: Constraints from $^{40}\text{Ar}/^{39}\text{Ar}$, $^{37}\text{Ar}/^{39}\text{Ar}$, $^{36}\text{Ar}/^{39}\text{Ar}$, $^{40}\text{Ar}/^{39}\text{Ar}$, fission track, and $^{10}\text{Be}/^{26}\text{Al}$ studies. <i>Meteoritics</i> , 1993, 28, 204-212.	1.5	24
30	Aorounga and Gweni Fada impact structures, Chad: Remote sensing, petrography, and geochemistry of target rocks. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1455-1471.	0.7	24
31	Structural analysis of the collar of the Vredefort Dome, South Africa—Significance for impact-related deformation and central uplift formation. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1537-1554.	0.7	24
32	The impact pseudotachylitic breccia controversy: Insights from first isotope analysis of Vredefort impact-generated melt rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 214, 266-281.	1.6	22
33	Gradation of the Roter Kamm impact crater, Namibia. <i>Journal of Geophysical Research</i> , 1997, 102, 16327-16338.	3.3	20
34	Drill core LB08A, Bosumtwi impact structure, Ghana: Petrographic and shock metamorphic studies of material from the central uplift. <i>Meteoritics and Planetary Science</i> , 2007, 42, 611-633.	0.7	20
35	Formation of pseudotachylitic breccias in the central uplifts of very large impact structures: Scaling the melt formation. <i>Meteoritics and Planetary Science</i> , 2011, 46, 543-555.	0.7	20
36	Bosumtwi impact structure, Ghana: Geochemistry of impactites and target rocks, and search for a meteoritic component. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1493-1511.	0.7	19

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37	Morokweng impact structure, South Africa: Geologic, petrographic, and isotopic results, and implications for the size of the structure. , 1999, , .		18
38	Archean spherule layers in the Barberton greenstone belt, South Africa: A discussion of problems related to the impact interpretation. , 2006, , .		18
39	The 1992 drill core from the Kalkkop impact crater, Eastern Cape Province, South Africa: stratigraphy, petrography, geochemistry and age. Journal of African Earth Sciences, 1998, 26, 573-592.	0.9	17
40	Petrography, geochemistry, and alteration of country rocks from the Bosumtwi impact structure, Ghana. Meteoritics and Planetary Science, 2007, 42, 513-540.	0.7	17
41	Lithostratigraphic and petrographic analysis of ICDP drill core LBâ€07A, Bosumtwi impact structure, Ghana. Meteoritics and Planetary Science, 2007, 42, 569-589.	0.7	15
42	Geochemical evidence of an extraterrestrial component in impact melt breccia from the Paleoproterozoic Dhala impact structure, India. Meteoritics and Planetary Science, 2017, 52, 722-736.	0.7	15
43	SHRIMP zircon age constraints on Mesoarchean crustal development in the Vredefort dome, central Kaapvaal Craton, South Africa. , 2006, , .		14
44	Search for a meteoritic component in drill cores from the Bosumtwi impact structure, Ghana: Platinum group element contents and osmium isotopic characteristics. Meteoritics and Planetary Science, 2007, 42, 743-753.	0.7	14
45	The Serra da Cangalha impact structure, Brazil: Geological, stratigraphic and petrographic aspects of a recently confirmed impact structure. Journal of South American Earth Sciences, 2013, 45, 316-330.	0.6	14
46	Geochemistry of impactites and basement lithologies from ICDP borehole LBâ€07A, Bosumtwi impact structure, Ghana. Meteoritics and Planetary Science, 2007, 42, 667-688.	0.7	13
47	The Agoudal (High Atlas Mountains, Morocco) shatter cone conundrum: A recent meteorite fall onto the remnant of an impact site. Meteoritics and Planetary Science, 2016, 51, 1497-1518.	0.7	13
48	Impact-generated pseudotachylitic breccia in drill core BH-5 HÃttberg, Siljan impact structure, Sweden. Gff, 2015, 137, 141-162.	0.4	10
49	Tenoumer impact crater, Mauritania: Impact melt genesis from a lithologically diverse target. Meteoritics and Planetary Science, 2016, 51, 323-350.	0.7	10
50	Early Archean spherule layers from the Barberton Greenstone Belt, South Africa: Mineralogy and geochemistry of the spherule beds in the <scp>CT</scp>3 drill core. Meteoritics and Planetary Science, 2017, 52, 2586-2631.	0.7	10
51	Melt particle characteristics of the within- and out-of-crater suevites from the Bosumtwi impact structure, Ghana: Implications for crater formation. , 2010, , .		9
52	Microchemical investigation of small-scale pseudotachylitic breccias from the Archean gneiss of the Vredefort Dome, South Africa. , 2010, , .		9
53	Documentation of shock features in impactites from the Dhala impact structure, India. Meteoritics and Planetary Science, 2019, 54, 2312-2333.	0.7	9
54	Petrographic and Micro-XRF analysis of multiple archean impact-derived spherule layers in drill core CT3 from the northern Barberton Greenstone Belt (South Africa). Journal of African Earth Sciences, 2018, 138, 264-288.	0.9	8

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55	Drill core LBâ€08A, Bosumtwi impact structure, Ghana: Geochemistry of fallback breccia and basement samples from the central uplift. <i>Meteoritics and Planetary Science</i> , 2007, 42, 689-708.	0.7	7
56	The Erbisberg drilling 2011: Implications for the structure and postimpact evolution of the inner ring of the Ries impact crater. <i>Meteoritics and Planetary Science</i> , 2019, 54, 2448-2482.	0.7	7
57	Deep drilling in the Chesapeake Bay impact structureâ€”An overview. , 2009, , .		7
58	Geochemistry of impactites and crystalline basement-derived lithologies from the ICDP-USGS Eyreville A and B drill cores, Chesapeake Bay impact structure, Virginia, USA. , 2009, , .		6
59	Microcomputed tomography and shock microdeformation studies on shatter cones. <i>Meteoritics and Planetary Science</i> , 2016, 51, 1435-1459.	0.7	6
60	Geochemical studies of the <scp>SUBO</scp> 18 (Enkingen) drill core and other impact breccias from the Ries crater, Germany. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1531-1571.	0.7	5
61	Prospecting for possible impact structures in Morocco. <i>Journal of African Earth Sciences</i> , 2015, 112, 339-352.	0.9	5
62	Comment on â€œGeophysical evidence for a large impact structure on the Falkland (Malvinas) Plateauâ€ Terra Nova, 2017, 29, 409-410.	0.9	5
63	Geochemistry of the impact breccia section (1397â€”1551 m depth) of the Eyreville drill core, Chesapeake Bay impact structure, USA. , 2009, , .		4
64	Characteristic landforms and geomorphic features associated with impact structures: Observations at the Dhala structure, northâ€”central India. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1482-1503.	1.2	4
65	Genesis of the mafic granophyre of the Vredefort impact structure (South Africa): Implications of new geochemical and Se and Re-Os isotope data. , 2021, , .		4
66	Petrographic characterization of Archaean impact spherule layers from Fairview Gold Mine, northern Barberton Greenstone Belt, South Africa. <i>Journal of African Earth Sciences</i> , 2020, 162, 103718.	0.9	3
67	The TanDEM-X Digital Elevation Model and Terrestrial Impact Structures. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 4128-4138.	2.3	3
68	The origin of the potassiumâ€”rich annular zones at the Bosumtwi impact structure, Ghana, investigated by field study, radiometric analysis, and first cosmogenic nuclide data. <i>Meteoritics and Planetary Science</i> , 2022, 57, 702-729.	0.7	3
69	Remote sensing, field studies, petrography, and geochemistry of rocks in central Zambia: no evidence of a meteoritic impact in the area of the Lukanga Swamp. <i>Journal of African Earth Sciences</i> , 2002, 35, 365-384.	0.9	2
70	The Impact Record of Southwest Gondwana. <i>Regional Geology Reviews</i> , 2018, , 677-688.	1.2	2
71	Impact Structure. , 2015, , 988-1023.		1
72	Cerro do Jarau, RS, Brazil, is a bona fide impact structure â€” Not a cryptoexplosion structure as alleged. [Comment on â€œResurfaced paleodunes from the Botucatu erg amid Cretaceous ParanÃi volcanicsâ€ by , <i>Geomorphology</i> (2021), doi:10.1016/j.geomorph.2021.107893]. <i>Geomorphology</i> , 2021, 401, 108004.	1.1	1

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73	Terrestrial and extraterrestrial chemical components of early Archean impact spherule layers from Fairview Gold Mine, northern Barberton greenstone belt, South Africa. , 2021, , .		0
74	Dedication of Large Meteorite Impacts and Planetary Evolution VI to Álvaro Pentead CrÃ³sta. , 2021, , vii-xi.		0
75	Impact Structure. , 2014, , 1-39.		0