

Elmar Buchner

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

313
citations

1040056

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23
docs citations

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332
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ age for the Nördlinger Ries impact crater, Germany, and implications for the accurate dating of terrestrial impact events. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 146-157.	3.9	64
2	Upheaval Dome, Utah, USA: Impact origin confirmed. <i>Geology</i> , 2008, 36, 227.	4.4	52
3	New $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Clearwater Lake impact structures (Québec, Canada) – Not the binary asteroid impact it seems?. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 304-324.	3.9	29
4	Simulation of trajectories and maximum reach of distal impact ejecta under terrestrial conditions: Consequences for the Ries crater, southern Germany. <i>Icarus</i> , 2007, 191, 360-370.	2.5	17
5	Steinheim suevite – A first report of melt-bearing impactites from the Steinheim Basin (SW Germany). <i>Meteoritics and Planetary Science</i> , 2010, 45, 1093-1107.	1.6	17
6	In situ U–Pb analysis of shocked zircon from the Charlevoix impact structure, Québec, Canada. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1808-1827.	1.6	15
7	Buddha from space – An ancient object of art made of a Chinga iron meteorite fragment*. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1491-1501.	1.6	13
8	Response to comment on – A high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ age for the Nördlinger Ries impact crater, Germany, and implications for the accurate dating of terrestrial impact events – by Schmieder et al. (<i>Geochimica et Cosmochimica Acta</i> 220 (2018) 146–157). <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 602-605.	3.9	13
9	Das Ries-Steinheim-Ereignis – Impakt in eine miozäne Seen- und Sumpflandschaft. <i>Zeitschrift Der Deutschen Gesellschaft Für Geowissenschaften</i> , 2013, 164, 459-470.	0.4	10
10	Enigmatic earthquake-generated large-scale clastic dyke in the Biberach area (SW Germany). <i>Sedimentary Geology</i> , 2020, 398, 105571.	2.1	10
11	Supportive comment on: – Morphology and population of binary asteroid impact craters – by K. Miljković, G.S. Collins, S. Mannick and P.A. Bland [<i>Earth Planet. Sci. Lett.</i> 363 (2013) 121–132] – An updated 4.4 assessment. <i>Earth and Planetary Science Letters</i> , 2014, 405, 281-284.		9
12	Meteorite traces on a shatter cone surface from the Agoudal impact site, Morocco. <i>Geological Magazine</i> , 2015, 152, 751-757.	1.5	9
13	The two Suvasvesi impact structures, Finland: Argon isotopic evidence for a – false – impact crater doublet. <i>Meteoritics and Planetary Science</i> , 2016, 51, 966-980.	1.6	9
14	The Steinheim Basin impact crater (SW-Germany) – Where are the ejecta?. <i>Icarus</i> , 2015, 250, 529-543.	2.5	8
15	A Late Mesoproterozoic $^{40}\text{Ar}/^{39}\text{Ar}$ age for a melt breccia from the Keurusselkä impact structure, Finland. <i>Meteoritics and Planetary Science</i> , 2016, 51, 303-322.	1.6	8
16	New discovery of two seismic horizons challenges the Ries – Steinheim double-impact theory. <i>Scientific Reports</i> , 2020, 10, 22143.	3.3	8
17	Rare metals on shatter cone surfaces from the Steinheim Basin (SW Germany) – remnants of the impacting body?. <i>Geological Magazine</i> , 2018, 155, 1205-1229.	1.5	5
18	An approach towards the projectile trajectory during the oblique Steinheim meteorite impact by the interpretation of structural crater features and the distribution of shatter cones. <i>Geological Magazine</i> , 2018, 155, 193-202.	1.5	5

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19	Der Steinheimer Suevit â€“ schmelzefÃ¼hrende Impaktite aus dem Steinheimer Becken, SÃ¼dwestdeutschland. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2013, 164, 471-490.	0.4	4
20	The ChÃ¶pfi pinnacles near Winterthur, Switzerland: long-distance effects of the Ries impact-earthquake?. International Journal of Earth Sciences, 0, , 1.	1.8	4
21	An updated and refined Holocene uplift history of southern Tenerife (Canary Islands) and the possible consequences for future volcanic activity. Geological Magazine, 2015, 152, 1137-1144.	1.5	2
22	Sand spikes pinpoint powerful palaeoseismicity. Nature Communications, 2021, 12, 6731.	12.8	2
23	Reply to Discussion of â€˜Rare metals on shatter cone surfaces from the Steinheim Basin (SW Germany) â€™ remnants of the impacting body?â€™. Geological Magazine, 2019, 156, 1641-1643.	1.5	0