

Blair Schoene

List of Publications by Year in descending order

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83
papers

11,658
citations

61984

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h-index

74163

75
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all docs

95
docs citations

95
times ranked

7404
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on the timescales and processes that led to high-SiO ₂ rhyolite production in the Searchlight pluton, Nevada, USA. , 2022, 18, 1000-1019.		10
2	Late Toarcian continental palaeoenvironmental conditions: An example from the Cañadón Asfalto Formation in southern Argentina. Gondwana Research, 2021, 89, 47-65.	6.0	1
3	Long-term repeatability and interlaboratory reproducibility of high-precision ID-TIMS U-Pb geochronology. Journal of Analytical Atomic Spectrometry, 2021, 36, 1466-1477.	3.0	32
4	An evaluation of Deccan Traps eruption rates using geochronologic data. Geochronology, 2021, 3, 181-198.	2.5	37
5	Transient rhyolite melt extraction to produce a shallow granitic pluton. Science Advances, 2021, 7, .	10.3	14
6	Zircon U-Pb Geochronology Constrains Continental Expression of Great Meteor Hotspot Magmatism. Geophysical Research Letters, 2021, 48, e2020GL091390.	4.0	8
7	High-precision U-Pb zircon geochronology of the Miocene Bisciaro Formation, Contessa Section, Italy: A case study for requisite radioisotopic calibration of bio- and magnetostratigraphy. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 576, 110487.	2.3	1
8	The lead-up to the Sturtian Snowball Earth: Neoproterozoic chemostratigraphy time-calibrated by the Tambien Group of Ethiopia. Bulletin of the Geological Society of America, 2020, 132, 1119-1149.	3.3	22
9	Butcher Ridge igneous complex: A glassy layered silicic magma distribution center in the Ferrar large igneous province, Antarctica. Bulletin of the Geological Society of America, 2020, 132, 1201-1216.	3.3	3
10	Mercury linked to Deccan Traps volcanism, climate change and the end-Cretaceous mass extinction. Global and Planetary Change, 2020, 194, 103312.	3.5	59
11	Widespread silicic and alkaline magmatism synchronous with the Deccan Traps flood basalts, India. Earth and Planetary Science Letters, 2020, 552, 116616.	4.4	21
12	Geologic evidence for an icehouse Earth before the Sturtian global glaciation. Science Advances, 2020, 6, eaay6647.	10.3	25
13	Large isotopic variability at the micron-scale in $\delta^{13}\text{C}$ Shuram TM excursion carbonates from South Australia. Earth and Planetary Science Letters, 2020, 538, 116211.	4.4	27
14	Half a million years of magmatic history recorded in a K-feldspar megacryst of the Tuolumne Intrusive Complex, California, USA. Geology, 2020, 48, 400-404.	4.4	22
15	Polyphase Zircon Growth during Slow Cooling from Ultrahigh Temperature: an Example from the Archean Pikwitonei Granulite Domain. Journal of Petrology, 2020, 61, .	2.8	12
16	Astronomically forced hydrology of the Late Cretaceous sub-tropical Potosí-Basin, Bolivia. Bulletin of the Geological Society of America, 2020, 132, 1931-1952.	3.3	0
17	U-Pb zircon age constraints on the earliest eruptions of the Deccan Large Igneous Province, Malwa Plateau, India. Earth and Planetary Science Letters, 2020, 540, 116249.	4.4	40
18	U-Pb ID-TIMS geochronology using ATONA amplifiers. Journal of Analytical Atomic Spectrometry, 2020, 35, 1207-1216.	3.0	14

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19	U-Pb constraints on pulsed eruption of the Deccan Traps across the end-Cretaceous mass extinction. <i>Science</i> , 2019, 363, 862-866.	12.6	304
20	<sc>GHR</sc>1 Zircon â€“ A New Eocene Natural Reference Material for Microbeam Uâ€Pb Geochronology and Hf Isotopic Analysis of Zircon. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 113-132.	3.1	18
21	Stepwise chemical abrasionâ€“isotope dilutionâ€“thermal ionization mass spectrometry with trace element analysis of microfractured Hadean zircon. <i>Geochronology</i> , 2019, 1, 85-97.	2.5	4
22	Plate tectonics and continental basaltic geochemistry throughout Earth history. <i>Earth and Planetary Science Letters</i> , 2018, 481, 290-304.	4.4	109
23	The arc of the Snowball: U-Pb dates constrain the Islay anomaly and the initiation of the Sturtian glaciation. <i>Geology</i> , 2018, 46, 539-542.	4.4	49
24	<sc>GZ</sc>7 and <sc>GZ</sc>8 â€“ Two Zircon Reference Materials for <sc>SIMS</sc> Uâ€Pb Geochronology. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 431-457.	3.1	32
25	Rapid eruption of the Columbia River flood basalt and correlation with the mid-Miocene climate optimum. <i>Science Advances</i> , 2018, 4, eaat8223.	10.3	147
26	Constraining the Timing and Amplitude of Early Serpukhovian Glacioeustasy With a Continuous Carbonate Record in Northern Spain. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2647-2660.	2.5	5
27	Paleoarchean bedrock lithologies across the Makhonjwa Mountains of South Africa and Swaziland linked to geochemical, magnetic and tectonic data reveal early plate tectonic genes flanking subduction margins. <i>Geoscience Frontiers</i> , 2018, 9, 603-665.	8.4	44
28	Early formation of the Moon 4.51 billion years ago. <i>Science Advances</i> , 2017, 3, e1602365.	10.3	156
29	Petrochronology and TIMS. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 83, 231-260.	4.8	23
30	8. Petrochronology and TIMS. , 2017, , 231-260.		0
31	Zircon age-temperature-compositional spectra in plutonic rocks. <i>Geology</i> , 2017, 45, 983-986.	4.4	40
32	Complementary crystal accumulation and rhyolite melt segregation in a late Miocene Andean pluton. <i>Geology</i> , 2017, 45, 835-838.	4.4	56
33	Temporal variation in relative zircon abundance throughout Earth history. <i>Geochemical Perspectives Letters</i> , 2017, , 179-189.	5.0	34
34	Thermal erosion of cratonic lithosphere as a potential trigger for mass-extinction. <i>Scientific Reports</i> , 2016, 6, 23168.	3.3	44
35	Communityâ€Derived Standards for <sc>LA</sc>â€<sc>ICP</sc>â€<sc>MS</sc> Uâ€(Thâ€)Pb Geochronology â€“ Uncertainty Propagation, Age Interpretation and Data Reporting. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 311-332.	3.1	570
36	Chemostratigraphic and Uâ€Pb geochronologic constraints on carbon cycling across the Silurianâ€Devonian boundary. <i>Earth and Planetary Science Letters</i> , 2016, 436, 108-120.	4.4	26

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37	Zircon record of the plutonic-volcanic connection and protracted rhyolite melt evolution. <i>Geology</i> , 2016, 44, 267-270.	4.4	101
38	Evaluating the construction and evolution of upper crustal magma reservoirs with coupled U/Pb zircon geochronology and thermal modeling: A case study from the Mt. Capanne pluton (Elba, Italy). <i>Earth and Planetary Science Letters</i> , 2015, 432, 436-448.	4.4	85
39	Metrology and traceability of U–Pb isotope dilution geochronology (EARTHTIME Tracer Calibration) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i>	3.9	823
40	Stratigraphic expression of Earth's deepest $\delta^{13}\text{C}$ excursion in the Wonoka Formation of South Australia. <i>Numerische Mathematik</i> , 2015, 315, 1-45.	1.4	50
41	Volcanic–plutonic parity and the differentiation of the continental crust. <i>Nature</i> , 2015, 523, 301-307.	27.8	185
42	Fossil corals as an archive of secular variations in seawater chemistry since the Mesozoic. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 160, 188-208.	3.9	87
43	Ca and Mg isotope constraints on the origin of Earth's deepest $\delta^{13}\text{C}$ excursion. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 160, 243-266.	3.9	85
44	Evaluating uncertainties in the calibration of isotopic reference materials and multi-element isotopic tracers (EARTHTIME Tracer Calibration Part II). <i>Geochimica Et Cosmochimica Acta</i> , 2015, 164, 481-501.	3.9	213
45	Magma emplacement, differentiation and cooling in the middle crust: Integrated zircon geochronological–geochemical constraints from the Bergell Intrusion, Central Alps. <i>Chemical Geology</i> , 2015, 417, 322-340.	3.3	125
46	Insights into (U)HP metamorphism of the Western Gneiss Region, Norway: A high-spatial resolution and high-precision zircon study. <i>Chemical Geology</i> , 2015, 414, 138-155.	3.3	34
47	U-Pb geochronology of the Deccan Traps and relation to the end-Cretaceous mass extinction. <i>Science</i> , 2015, 347, 182-184.	12.6	390
48	Geochronology: It's About Time. <i>Eos</i> , 2015, 96, .	0.1	1
49	U–Th–Pb Geochronology. , 2014, , 341-378.		134
50	Towards accurate numerical calibration of the Late Triassic: High-precision U-Pb geochronology constraints on the duration of the Rhaetian. <i>Geology</i> , 2014, 42, 571-574.	4.4	154
51	Short eruption window revealed by absolute crystal growth rates in a granitic magma. <i>Nature Geoscience</i> , 2014, 7, 524-528.	12.9	77
52	Timing of incremental pluton construction and magmatic activity in a back-arc setting revealed by ID-TIMS U/Pb and Hf isotopes on complex zircon grains. <i>Chemical Geology</i> , 2013, 342, 76-93.	3.3	54
53	Precision and Accuracy in Geochronology. <i>Elements</i> , 2013, 9, 19-24.	0.5	93
54	The End-Cryogenian Glaciation of South Australia. <i>Geoscience Canada</i> , 2013, 40, 256.	0.8	37

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55	Disentangling the Hettangian carbon isotope record: Implications for the aftermath of the end-Triassic mass extinction. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	50
56	Geochronological constraints on post-extinction recovery of the ammonoids and carbon cycle perturbations during the Early Jurassic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 346-347, 1-11.	2.3	85
57	Zirconium in rutile speedometry: New constraints on lower crustal cooling rates and residence temperatures. <i>Earth and Planetary Science Letters</i> , 2012, 317-318, 231-240.	4.4	21
58	Constraints on the origin and relative timing of the Trezona $\delta^{13}\text{C}$ anomaly below the end-Cryogenian glaciation. <i>Earth and Planetary Science Letters</i> , 2012, 319-320, 241-250.	4.4	42
59	Rates of magma differentiation and emplacement in a ballooning pluton recorded by U^{235}Pb TIMS-TEA, Adamello batholith, Italy. <i>Earth and Planetary Science Letters</i> , 2012, 355-356, 162-173.	4.4	173
60	Statistical geochemistry reveals disruption in secular lithospheric evolution about 2.5 Ga ago. <i>Nature</i> , 2012, 485, 490-493.	27.8	287
61	A syn-depositional age for Earth's deepest $\delta^{13}\text{C}$ excursion required by isotope conglomerate tests. <i>Terra Nova</i> , 2012, 24, 318-325.	2.1	31
62	U-Pb thermochronology: creating a temporal record of lithosphere thermal evolution. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 479-500.	3.1	67
63	Correlating the end-Triassic mass extinction and flood basalt volcanism at the 100 ka level. <i>Geology</i> , 2010, 38, 387-390.	4.4	372
64	(U-Th)/He thermochronometry constraints on unroofing of the eastern Kaapvaal craton and significance for uplift of the southern African Plateau. <i>Geology</i> , 2010, 38, 827-830.	4.4	76
65	Rates and mechanisms of Mesoproterozoic magmatic arc construction, eastern Kaapvaal craton, Swaziland. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 408-429.	3.3	65
66	The $^{40}\text{Ar}/^{39}\text{Ar}$ and U/Pb dating of young rhyolites in the Kos-Nisyros volcanic complex, Eastern Aegean Arc, Greece: Age discordance due to excess ^{40}Ar in biotite. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	45
67	A new method integrating high-precision U^{235}Pb geochronology with zircon trace element analysis (U^{235}Pb TIMS-TEA). <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 7144-7159.	3.9	92
68	Sm^{147}Nd isotopic mapping of lithospheric growth and stabilization in the eastern Kaapvaal craton. <i>Terra Nova</i> , 2009, 21, 219-228.	2.1	80
69	Zircon and titanite recording 1.5 million years of magma accretion, crystallization and initial cooling in a composite pluton (southern Adamello batholith, northern Italy). <i>Earth and Planetary Science Letters</i> , 2009, 286, 208-218.	4.4	175
70	Precise U^{235}Pb age constraints for end-Triassic mass extinction, its correlation to volcanism and Hettangian post-extinction recovery. <i>Earth and Planetary Science Letters</i> , 2008, 267, 266-275.	4.4	166
71	Plevince zircon - A new natural reference material for U^{235}Pb and Hf isotopic microanalysis. <i>Chemical Geology</i> , 2008, 249, 1-35.	3.3	3,858
72	Mesoproterozoic assembly and stabilization of the eastern Kaapvaal craton: A structural-thermochronological perspective. <i>Tectonics</i> , 2008, 27, .	2.8	142

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73	U-Pb dating of zircon in the Bishop Tuff at the millennial scale. <i>Geology</i> , 2007, 35, 1123.	4.4	290
74	Determining accurate temperature–time paths from U–Pb thermochronology: An example from the Kaapvaal craton, southern Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 165-185.	3.9	138
75	Derivation of isotope ratios, errors, and error correlations for U–Pb geochronology using ²⁰⁵ Pb– ²³⁵ U–(²³³ U)–spiked isotope dilution thermal ionization mass spectrometric data. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	2.5	320
76	Reassessing the uranium decay constants for geochronology using ID-TIMS U–Pb data. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 426-445.	3.9	406
77	High-Precision U-Pb Zircon Geochronology and the Stratigraphic Record: Progress and Promise. <i>The Paleontological Society Papers</i> , 2006, 12, 25-45.	0.6	23
78	U–Pb systematics of the McClure Mountain syenite: thermochronological constraints on the age of the ⁴⁰ Ar/ ³⁹ Ar standard MMhb. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 615-630.	3.1	253
79	Spirometry and Airway Reactivity in Elite Track and Field Athletes. <i>Clinical Journal of Sport Medicine</i> , 1997, 7, 257-261.	1.8	34
80	Textural and Mineralogical Record of Low Pressure Melt Extraction and Silicic Cumulate Formation in the late Miocene Risco Bayo-Huemul Plutonic Complex, Southern Andes. <i>Journal of Petrology</i> , 0, , .	2.8	5
81	Using eclogite retrogression to track the rapid exhumation of the Pliocene Papua New Guinea UHP Terrane. <i>Journal of Petrology</i> , 0, , .	2.8	4
82	A New Workflow to Assess Emplacement Duration and Melt Residence Time of Compositionally Diverse Magmas Emplaced in a Sub-volcanic Reservoir. <i>Journal of Petrology</i> , 0, , .	2.8	3
83	A stochastic sampling approach to zircon eruption age interpretation. <i>Geochemical Perspectives Letters</i> , 0, , 31-35.	5.0	63