Blair Schoene

List of Publications by Year
in descending order

83 papers	11,658 citations	61984 43 h-index	74163 75 g-index
95 all docs	95 docs citations	95 times ranked	7404 citing authors

#	Article	IF	Citations
1	PleÅ¡ovice zircon â€" A new natural reference material for Uâ€"Pb and Hf isotopic microanalysis. Chemical Geology, 2008, 249, 1-35.	3.3	3,858
2	Communityâ€Derived Standards for <scp>LA</scp>â€<scp>ICP</scp>â€<scp>MS</scp> Uâ€(Thâ€)Pb Geochronology â€" Uncertainty Propagation, Age Interpretation and Data Reporting. Geostandards and Geoanalytical Research, 2016, 40, 311-332.	3.1	570
3	Reassessing the uranium decay constants for geochronology using ID-TIMS Uâ€"Pb data. Geochimica Et Cosmochimica Acta, 2006, 70, 426-445.	3.9	406
4	U-Pb geochronology of the Deccan Traps and relation to the end-Cretaceous mass extinction. Science, 2015, 347, 182-184.	12.6	390
5	Correlating the end-Triassic mass extinction and flood basalt volcanism at the 100 ka level. Geology, 2010, 38, 387-390.	4.4	372
6	Metrology and traceability of Uâ€"Pb isotope dilution geochronology (EARTHTIME Tracer Calibration) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	323
7	Derivation of isotope ratios, errors, and error correlations for Uâ€Pb geochronology using ²⁰⁵Pbâ€²³⁵Uâ€(²³³U)â€spiked isotope dilution thermal ionization mass spectrometric data. Geochemistry, Geophysics, Geosystems, 2007, 8, .	2.5	320
8	U-Pb constraints on pulsed eruption of the Deccan Traps across the end-Cretaceous mass extinction. Science, 2019, 363, 862-866.	12.6	304
9	U-Pb dating of zircon in the Bishop Tuff at the millennial scale. Geology, 2007, 35, 1123.	4.4	290
10	Statistical geochemistry reveals disruption in secular lithospheric evolution about 2.5â€‰Gyr ago. Nature, 2012, 485, 490-493.	27.8	287
11	Uâ€"Pb systematics of the McClure Mountain syenite: thermochronological constraints on the age of the 40Ar/39Ar standard MMhb. Contributions To Mineralogy and Petrology, 2006, 151, 615-630.	3.1	253
12	Evaluating uncertainties in the calibration of isotopic reference materials and multi-element isotopic tracers (EARTHTIME Tracer Calibration Part II). Geochimica Et Cosmochimica Acta, 2015, 164, 481-501.	3.9	213
13	Volcanicâ€"plutonic parity and the differentiation of the continental crust. Nature, 2015, 523, 301-307.	27.8	185
14	Zircon and titanite recording 1.5 million years of magma accretion, crystallization and initial cooling in a composite pluton (southern Adamello batholith, northern Italy). Earth and Planetary Science Letters, 2009, 286, 208-218.	4.4	175
15	Rates of magma differentiation and emplacement in a ballooning pluton recorded by Uâ€"Pb TIMS-TEA, Adamello batholith, Italy. Earth and Planetary Science Letters, 2012, 355-356, 162-173.	4.4	173
16	Precise Uâ€"Pb age constraints for end-Triassic mass extinction, its correlation to volcanism and Hettangian post-extinction recovery. Earth and Planetary Science Letters, 2008, 267, 266-275.	4.4	166
17	Early formation of the Moon 4.51 billion years ago. Science Advances, 2017, 3, e1602365.	10.3	156
18	Towards accurate numerical calibration of the Late Triassic: High-precision U-Pb geochronology constraints on the duration of the Rhaetian. Geology, 2014, 42, 571-574.	4.4	154

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19	Rapid eruption of the Columbia River flood basalt and correlation with the mid-Miocene climate optimum. Science Advances, 2018, 4, eaat8223.	10.3	147
20	Mesoarchean assembly and stabilization of the eastern Kaapvaal craton: A structuralâ€¢thermochronological perspective. Tectonics, 2008, 27, .	2.8	142
21	Determining accurate temperatureâ€“time paths from Uâ€“Pb thermochronology: An example from the Kaapvaal craton, southern Africa. Geochimica Et Cosmochimica Acta, 2007, 71, 165-185.	3.9	138
22	Uâ€“Thâ€“Pb Geochronology. , 2014, , 341-378.		134
23	Magma emplacement, differentiation and cooling in the middle crust: Integrated zircon geochronologicalâ€“geochemical constraints from the Bergell Intrusion, Central Alps. Chemical Geology, 2015, 417, 322-340.	3.3	125
24	Plate tectonics and continental basaltic geochemistry throughout Earth history. Earth and Planetary Science Letters, 2018, 481, 290-304.	4.4	109
25	Zircon record of the plutonic-volcanic connection and protracted rhyolite melt evolution. Geology, 2016, 44, 267-270.	4.4	101
26	Precision and Accuracy in Geochronology. Elements, 2013, 9, 19-24.	0.5	93
27	A new method integrating high-precision Uâ€“Pb geochronology with zircon trace element analysis (Uâ€“Pb TIMS-TEA). Geochimica Et Cosmochimica Acta, 2010, 74, 7144-7159.	3.9	92
28	Fossil corals as an archive of secular variations in seawater chemistry since the Mesozoic. Geochimica Et Cosmochimica Acta, 2015, 160, 188-208.	3.9	87
29	Geochronological constraints on post-extinction recovery of the ammonoids and carbon cycle perturbations during the Early Jurassic. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 346-347, 1-11.	2.3	85
30	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). Earth and Planetary Science Letters, 2015, 432, 436-448.	4.4	85
31	Ca and Mg isotope constraints on the origin of Earthâ€™s deepest <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mi>Î´</mml:mi></mml:mrow><mml:mrow><mml:mn>13</mml:mn><m excursion. Geochimica Et Cosmochimica Acta, 2015, 160, 243-266.	3.9	85
32	Smâ€“Nd isotopic mapping of lithospheric growth and stabilization in the eastern Kaapvaal craton. Terra Nova, 2009, 21, 219-228.	2.1	80
33	Short eruption window revealed by absolute crystal growth rates in a granitic magma. Nature Geoscience, 2014, 7, 524-528.	12.9	77
34	(U-Th)/He thermochronometry constraints on unroofing of the eastern Kaapvaal craton and significance for uplift of the southern African Plateau. Geology, 2010, 38, 827-830.	4.4	76
35	U-Pb thermochronology: creating a temporal record of lithosphere thermal evolution. Contributions To Mineralogy and Petrology, 2011, 162, 479-500.	3.1	67
36	Rates and mechanisms of Mesoarchean magmatic arc construction, eastern Kaapvaal craton, Swaziland. Bulletin of the Geological Society of America, 2010, 122, 408-429.	3.3	65

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37	A stochastic sampling approach to zircon eruption age interpretation. Geochemical Perspectives Letters, 0, , 31-35.	5.0	63
38	Mercury linked to Deccan Traps volcanism, climate change and the end-Cretaceous mass extinction. Global and Planetary Change, 2020, 194, 103312.	3.5	59
39	Complementary crystal accumulation and rhyolite melt segregation in a late Miocene Andean pluton. Geology, 2017, 45, 835-838.	4.4	56
40	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. Chemical Geology, 2013, 342, 76-93.	3.3	54
41	Disentangling the Hettangian carbon isotope record: Implications for the aftermath of the endâ€Triassic mass extinction. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	50
42	Stratigraphic expression of Earth's deepest Â13C excursion in the Wonoka Formation of South Australia. Numerische Mathematik, 2015, 315, 1-45.	1.4	50
43	The arc of the Snowball: U-Pb dates constrain the Islay anomaly and the initiation of the Sturtian glaciation. Geology, 2018, 46, 539-542.	4.4	49
44	The ⁴⁰Ar/³⁹Ar and U/Pb dating of young rhyolites in the Kosâ€Nisyros volcanic complex, Eastern Aegean Arc, Greece: Age discordance due to excess ⁴⁰Ar in biotite. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	45
45	Thermal erosion of cratonic lithosphere as a potential trigger for mass-extinction. Scientific Reports, 2016, 6, 23168.	3.3	44
46	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. Geoscience Frontiers, 2018, 9, 603-665.	8.4	44
47	Constraints on the origin and relative timing of the Trezona Î´13C anomaly below the end-Cryogenian glaciation. Earth and Planetary Science Letters, 2012, 319-320, 241-250.	4.4	42
48	Zircon age-temperature-compositional spectra in plutonic rocks. Geology, 2017, 45, 983-986.	4.4	40
49	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
50	An evaluation of Deccan Traps eruption rates using geochronologic data. Geochronology, 2021, 3, 181-198.	2.5	37
51	The End-Cryogenian Glaciation of South Australia. Geoscience Canada, 2013, 40, 256.	0.8	37
52	Spirometry and Airway Reactivity in Elite Track and Field Athletes. Clinical Journal of Sport Medicine, 1997, 7, 257-261.	1.8	34
53	Insights into (U)HP metamorphism of the Western Gneiss Region, Norway: A high-spatial resolution and high-precision zircon study. Chemical Geology, 2015, 414, 138-155.	3.3	34
54	Temporal variation in relative zircon abundance throughout Earth history. Geochemical Perspectives Letters, 2017, , 179-189.	5.0	34

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55	<scp>GZ</scp>7 and <scp>GZ</scp>8 â€“ Two Zircon Reference Materials for <scp>SIMS</scp> Uâ€Pb Geochronology. Geostandards and Geoanalytical Research, 2018, 42, 431-457.	3.1	32
56	Long-term repeatability and interlaboratory reproducibility of high-precision ID-TIMS Uâ€“Pb geochronology. Journal of Analytical Atomic Spectrometry, 2021, 36, 1466-1477.	3.0	32
57	A synâ€depositional age for Earthâ€™s deepest Î´¹³C excursion required by isotope conglomerate tests. Terra Nova, 2012, 24, 318-325.	2.1	31
58	Large isotopic variability at the micron-scale in â€˜Shuramâ€™ excursion carbonates from South Australia. Earth and Planetary Science Letters, 2020, 538, 116211.	4.4	27
59	Chemostratigraphic and Uâ€“Pb geochronologic constraints on carbon cycling across the Silurianâ€“Devonian boundary. Earth and Planetary Science Letters, 2016, 436, 108-120.	4.4	26
60	Geologic evidence for an icehouse Earth before the Sturtian global glaciation. Science Advances, 2020, 6, eaay6647.	10.3	25
61	High-Precision U-Pb Zircon Geochronology and the Stratigraphic Record: Progress and Promise. The Paleontological Society Papers, 2006, 12, 25-45.	0.6	23
62	Petrochronology and TIMS. Reviews in Mineralogy and Geochemistry, 2017, 83, 231-260.	4.8	23
63	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
64	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
65	Zirconium in rutile speedometry: New constraints on lower crustal cooling rates and residence temperatures. Earth and Planetary Science Letters, 2012, 317-318, 231-240.	4.4	21
66	Widespread silicic and alkaline magmatism synchronous with the Deccan Traps flood basalts, India. Earth and Planetary Science Letters, 2020, 552, 116616.	4.4	21
67	<scp>GHR</scp>1 Zircon â€“ A New Eocene Natural Reference Material for Microbeam Uâ€Pb Geochronology and Hf Isotopic Analysis of Zircon. Geostandards and Geoanalytical Research, 2019, 43, 113-132.	3.1	18
68	Transient rhyolite melt extraction to produce a shallow granitic pluton. Science Advances, 2021, 7, .	10.3	14
69	Uâ€“Pb ID-TIMS geochronology using ATONA amplifiers. Journal of Analytical Atomic Spectrometry, 2020, 35, 1207-1216.	3.0	14
70	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
71	Constraints on the timescales and processes that led to high-SiO2 rhyolite production in the Searchlight pluton, Nevada, USA. , 2022, 18, 1000-1019.		10
72	Zircon Uâ€Pb Geochronology Constrains Continental Expression of Great Meteor Hotspot Magmatism. Geophysical Research Letters, 2021, 48, e2020GL091390.	4.0	8

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73	Textural and Mineralogical Record of Low Pressure Melt Extraction and Silicic Cumulate Formation in the late Miocene Risco Bayo-Huemul Plutonic Complex, Southern Andes. Journal of Petrology, 0, , .	2.8	5
74	Constraining the Timing and Amplitude of Early Serpukhovian Glacioeustasy With a Continuous Carbonate Record in Northern Spain. Geochemistry, Geophysics, Geosystems, 2018, 19, 2647-2660.	2.5	5
75	Using eclogite retrogression to track the rapid exhumation of the Pliocene Papua New Guinea UHP Terrane. Journal of Petrology, 0, , .	2.8	4
76	Stepwise chemical abrasionâ€“isotope dilutionâ€“thermal ionization mass spectrometry with trace element analysis of microfractured Hadean zircon. Geochronology, 2019, 1, 85-97.	2.5	4
77	A New Workflow to Assess Emplacement Duration and Melt Residence Time of Compositionally Diverse Magmas Emplaced in a Sub-volcanic Reservoir. Journal of Petrology, 0, , .	2.8	3
78	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
79	Late Toarcian continental palaeoenvironmental conditions: An example from the CaÃ±adÃ³n Asfalto Formation in southern Argentina. Gondwana Research, 2021, 89, 47-65.	6.0	1
80	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
81	Geochronology: It's About Time. Eos, 2015, 96, .	0.1	1
82	8. Petrochronology and TIMS. , 2017, , 231-260.		0
83	Astronomically forced hydrology of the Late Cretaceous sub-tropical PotosÃ-Basin, Bolivia. Bulletin of the Geological Society of America, 2020, 132, 1931-1952.	3.3	0