James Crowley

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	ZIRCON TRACE ELEMENT GEOCHEMISTRY AS AN INDICATOR OF MAGMA FERTILITY IN IRON OXIDE COPPER-GOLD PROVINCES. Economic Geology, 2022, 117, 703-718.	3.8	10
2	New insights on the age and stratigraphy of the Cisuralian succession in the Cooper Basin, Australia, based on U–Pb CA-TIMS dating of volcanic air-fall tuffs. Australian Journal of Earth Sciences, 2022, 69, 497-508.	1.0	1
3	Late Triassic to Jurassic Magmatic and Tectonic Evolution of the Intermontane Terranes in Yukon, Northern Canadian Cordillera: Transition From Arc to Synâ€Collisional Magmatism and Postâ€Collisional Lithospheric Delamination. Tectonics, 2022, 41, .	2.8	6
4	Precise U–Pb baddeleyite dating of the Derim Derim Dolerite, McArthur Basin, Northern Territory: old and new SHRIMP and ID-TIMS constraints. Australian Journal of Earth Sciences, 2021, 68, 36-50.	1.0	14
5	Stratigraphic constraints on the Lower Cretaceous Orallo Formation, southeastern Queensland: U–Pb dating of bentonite and palynostratigraphy of associated strata. Australian Journal of Earth Sciences, 2021, 68, 343-354.	1.0	6
6	Provenance, stratigraphic and precise depositional age constraints for an outlier of the 1.9 to 1.8â€ ⁻ Ga Nonacho Group, Rae craton, Northwest Territories, Canada. Precambrian Research, 2021, 352, 105999.	2.7	7
7	Sedimentology of the continental endâ€Permian extinction event in the Sydney Basin, eastern Australia. Sedimentology, 2021, 68, 30-62.	3.1	28
8	Rapid emplacement of massive Duluth Complex intrusions within the North American Midcontinent Rift. Geology, 2021, 49, 185-189.	4.4	21
9	Triassic coal measures, Tasmania: new U–Pb CA-TIMS ash bed dates and numerical calibration of palynostratigraphy. Australian Journal of Earth Sciences, 2021, 68, 1005-1016.	1.0	2
10	Age constraint for the Moreno Hill Formation (Zuni Basin) by CA-TIMS and LA-ICP-MS detrital zircon geochronology. PeerJ, 2021, 9, e10948.	2.0	4
11	Cannibalization of a late Cambrian backarc in southern Peru: New insights into the assembly of southwestern Gondwana. Gondwana Research, 2021, 92, 202-227.	6.0	7
12	Extinction at the end-Cretaceous and the origin of modern Neotropical rainforests. Science, 2021, 372, 63-68.	12.6	115
13	Late Devonian magmatism and clastic deposition in the upper Earn Group (central Yukon, Canada) mark the transition from passive to active margin along western Laurentia. Canadian Journal of Earth Sciences, 2021, 58, 471-494.	1.3	8
14	Paleoenvironmental and paleoclimatic evolution and cyclo- and chrono-stratigraphy of upper Permian–Lower Triassic fluvial-lacustrine deposits in Bogda Mountains, NW China — Implications for diachronous plant evolution across the Permian–Triassic boundary. Earth-Science Reviews, 2021, 222, 103741.	9.1	15
15	Timescales of impact melt sheet crystallization and the precise age of the Morokweng impact structure, South Africa. Earth and Planetary Science Letters, 2021, 567, 117013.	4.4	5
16	New petrographic and U–Pb geochronology data from the Mazagan Escarpment, offshore Morocco: Support for an African origin. Journal of African Earth Sciences, 2021, 181, 104249.	2.0	4
17	Trace fossils, algae, invertebrate remains and new U-Pb detrital zircon geochronology from the lower Cambrian TornetrÄsk Formation, northern Sweden. Gff, 2021, 143, 103-133.	1.2	5
18	Age and Paleoenvironmental Significance of the Frazer Beach Member—A New Lithostratigraphic Unit Overlying the End-Permian Extinction Horizon in the Sydney Basin, Australia. Frontiers in Earth Science, 2021, 8, .	1.8	17

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19	The northern termination of the Cache Creek terrane in Yukon: Middle Triassic arc activity and Jurassic–Cretaceous structural imbrication. Canadian Journal of Earth Sciences, 2020, 57, 227-248.	1.3	9
20	Geochronological constraints on Neoproterozoic rifting and onset of the Marinoan glaciation from the Kingston Peak Formation in Death Valley, California (USA). Geology, 2020, 48, 1083-1087.	4.4	29
21	Avalonian arc-to-platform transition in southeastern New England: U-Pb geochronology and stratigraphy of Ediacaran Cambridge "argillite,―Boston Basin, Massachusetts, USA. Numerische Mathematik, 2020, 320, 405-449.	1.4	4
22	OPENING THE MAGMATIC-HYDROTHERMAL WINDOW: HIGH-PRECISION U-Pb GEOCHRONOLOGY OF THE MESOPROTEROZOIC OLYMPIC DAM Cu-U-Au-Ag DEPOSIT, SOUTH AUSTRALIA. Economic Geology, 2020, 115, 1855-1870.	3.8	34
23	Carmacks Copper Cu-Au-Ag Deposit: Mineralization and Postore Migmatization of a Stikine Arc Porphyry Copper System in Yukon, Canada. Economic Geology, 2020, 115, 1413-1442.	3.8	10
24	Ductile nappe extrusion in constrictive strain at the origin of transverse segments of the Allochthon Boundary Thrust in the Manicouagan Imbricate Zone (Central Grenville Province, Québec). Journal of Structural Geology, 2020, 138, 104117.	2.3	3
25	The role of the Polochic Fault as part of the North American and Caribbean Plate boundary: Insights from the infill of the Lake Izabal Basin. Basin Research, 2020, 32, 1347-1364.	2.7	12
26	Geology of the Acropolis prospect, South Australia, constrained by high-precision CA-TIMS ages. Australian Journal of Earth Sciences, 2020, 67, 699-716.	1.0	9
27	Upper Permian and Lower Triassic conodonts, high-precision U-Pb zircon ages and the Permian-Triassic boundary in the Malay Peninsula. Journal of Asian Earth Sciences, 2020, 199, 104403.	2.3	12
28	Exploring the law of detrital zircon: LA-ICP-MS and CA-TIMS geochronology of Jurassic forearc strata, Cook Inlet, Alaska, USA. Geology, 2019, 47, 1044-1048.	4.4	63
29	Age and pattern of the southern high-latitude continental end-Permian extinction constrained by multiproxy analysis. Nature Communications, 2019, 10, 385.	12.8	165
30	Detrital zircon U–Pb geochronology constrains the age of Brazilian Neogene deposits from Western Amazonia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 516, 64-70.	2.3	26
31	Chronostratigraphic Revision of the Cloverly Formation (Lower Cretaceous, Western Interior, USA). Bulletin of the Peabody Museum of Natural History, 2019, 60, 3.	1.1	17
32	U–Pb geochronology and palynology from Lopingian (upper Permian) coal measure strata of the Galilee Basin, Queensland, Australia. Australian Journal of Earth Sciences, 2018, 65, 153-173.	1.0	21
33	Early Ordovician CA-IDTIMS U–Pb zircon dating and conodont biostratigraphy, Canning Basin, Western Australia. Australian Journal of Earth Sciences, 2018, 65, 61-73.	1.0	20
34	New U–Pb constraints identify the end-Guadalupian and possibly end-Lopingian extinction events conceivably preserved in the passive margin of North America: implication for regional tectonics. Geological Magazine, 2018, 155, 119-131.	1.5	16
35	A sedimentary overlap assemblage links Australia to northwestern Laurentia at 1.6â€ ⁻ Ga. Precambrian Research, 2018, 305, 19-39.	2.7	21
36	Cryogenian of Yukon. Precambrian Research, 2018, 319, 114-143.	2.7	68

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37	Reappraisal of emplacement models for Himalayan external crystalline nappes: The Jajarkot klippe, western Nepal. Bulletin of the Geological Society of America, 2018, 130, 1041-1056.	3.3	11
38	Solving a tuff problem: Defining a chronostratigraphic framework for Middle to Upper Jurassic nonmarine strata in eastern Australia using uranium–lead chemical abrasion–thermal ionization mass spectrometry zircon dates. AAPC Bulletin, 2018, 102, 1141-1168.	1.5	30
39	Rifting of western Laurentia at 1.38 Ga: The Hart River sills of Yukon, Canada. Lithos, 2018, 316-317, 243-260.	1.4	16
40	Precise geochronological constraints on the origin, setting and incorporation of ca. 1.59â€ ⁻ Ga surficial facies into the Olympic Dam Breccia Complex, South Australia. Precambrian Research, 2018, 315, 162-178.	2.7	35
41	Early Cambrian chronostratigraphy and geochronology of South Australia. Earth-Science Reviews, 2018, 185, 498-543.	9.1	65
42	Ultrafast magmatic buildup and diversification to produce continental crust during subduction. Geology, 2017, 45, 235-238.	4.4	80
43	Prograde and near-peak zircon growth in a migmatitic pelitic schist of the southeastern Canadian Cordillera. Lithos, 2017, 282-283, 65-81.	1.4	13
44	Apparent conflicting Roadian–Wordian (middle Permian) CA-IDTIMS and palynology ages from the Canning Basin, Western Australia. Australian Journal of Earth Sciences, 2017, 64, 889-901.	1.0	9
45	A chronostratigraphic assessment of the Moenave Formation, USA using C-isotope chemostratigraphy and detrital zircon geochronology: Implications for the terrestrial end Triassic extinction. Earth and Planetary Science Letters, 2017, 475, 83-93.	4.4	19
46	Bridging the gap between the foreland and hinterland II: Geochronology and tectonic setting of Ordovician magmatism and basin formation on the Laurentian margin of New England and Newfoundland. Numerische Mathematik, 2017, 317, 555-596.	1.4	55
47	Bridging the gap between the foreland and hinterland I: Geochronology and plate tectonic geometry of Ordovician magmatism and terrane accretion on the Laurentian margin of New England. Numerische Mathematik, 2017, 317, 515-554.	1.4	57
48	Structure and kinematic evolution of the Duke River fault, southwestern Yukon. Canadian Journal of Earth Sciences, 2017, 54, 322-344.	1.3	14
49	Precise U-Pb zircon ages and geochemistry of Jurassic granites, Ellsworth-Whitmore terrane, central Antarctica. Bulletin of the Geological Society of America, 2017, 129, 118-136.	3.3	23
50	Detrital zircon evidence for Paleoproterozoic West African crust along the eastern North American continental margin, Georges Bank, offshore Massachusetts, USA. Geology, 2017, 45, 811-814.	4.4	10
51	Magmatism as a response to exhumation of the Priest River complex, northern Idaho: Constraints from zircon U–Pb geochronology and Hf isotopes. Lithos, 2016, 262, 285-297.	1.4	5
52	Neoproterozoic to early Paleozoic tectonic evolution of the Zavkhan terrane of Mongolia: Implications for continental growth in the Central Asian orogenic belt. Lithosphere, 2016, 8, 729-750.	1.4	64
53	Calibrating the middle and late Permian palynostratigraphy of Australia to the geologic time-scale via U–Pb zircon CA-IDTIMS dating. Australian Journal of Earth Sciences, 2016, 63, 701-730.	1.0	63
54	New Occurrences of <i>Oldhamia</i> in Eastern Yukon, Canada: Stratigraphic Context and Implications for Cambrian Deep-Marine Biostratigraphy. Ichnos, 2016, 23, 33-52.	0.5	17

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55	Neoproterozoic stratigraphy of the Zavkhan terrane of Mongolia: The backbone for Cryogenian and early Ediacaran chemostratigraphic records. Numerische Mathematik, 2016, 316, 1-63.	1.4	90
56	Middle Permian U–Pb zircon ages of the "glacial―deposits of the Atkan Formation, Ayan-Yuryakh anticlinorium, Magadan province, NE Russia: Their significance for global climatic interpretations. Gondwana Research, 2016, 38, 74-85.	6.0	35
57	Tectonostratigraphic evolution of the <i>c.</i> 780–730 Ma Beck Spring Dolomite: Basin Formation in the core of Rodinia. Geological Society Special Publication, 2016, 424, 213-239.	1.3	17
58	A newly identified Gondwanan terrane in the northern Appalachian Mountains: Implications for the Taconic orogeny and closure of the Iapetus Ocean: REPLY. Geology, 2015, 43, e360-e360.	4.4	2
59	High-precision U-Pb CA-TIMS calibration of Middle Permian to Lower Triassic sequences, mass extinction and extreme climate-change in eastern Australian Gondwana. Gondwana Research, 2015, 28, 61-81.	6.0	185
60	Rongbuk re-visited: Geochronology of leucogranites in the footwall of the South Tibetan Detachment System, Everest Region, Southern Tibet. Lithos, 2015, 227, 94-106.	1.4	69
61	Magma emplacement, differentiation and cooling in the middle crust: Integrated zircon geochronological–geochemical constraints from the Bergell Intrusion, Central Alps. Chemical Geology, 2015, 417, 322-340.	3.3	125
62	Birth of the northern Cordilleran orogen, as recorded by detrital zircons in Jurassic synorogenic strata and regional exhumation in Yukon. Lithosphere, 2015, 7, 541-562.	1.4	48
63	U–Pb zircon age of the Walloon Coal Measures in the Surat Basin, southeast Queensland: implications for paleogeography and basin subsidence. Australian Journal of Earth Sciences, 2015, 62, 807-816.	1.0	38
64	Tectono-metamorphic history of the eastern Taureau shear zone, Mauricie area, Québec: Implications for the exhumation of the mid-crust in the Grenville Province. Precambrian Research, 2015, 257, 22-46.	2.7	25
65	New toxodontid (Notoungulata) from the Early Miocene of Mendoza, Argentina. Palaontologische Zeitschrift, 2015, 89, 611-634.	1.6	24
66	A newly identified Gondwanan terrane in the northern Appalachian Mountains: Implications for the Taconic orogeny and closure of the Iapetus Ocean. Geology, 2014, 42, 539-542.	4.4	77
67	Rapid magma evolution constrained by zircon petrochronology and 40Ar/39Ar sanidine ages for the Huckleberry Ridge Tuff, Yellowstone, USA. Geology, 2014, 42, 643-646.	4.4	68
68	Quantifying the process and abruptness of the end-Permian mass extinction. Paleobiology, 2014, 40, 113-129.	2.0	80
69	EOCENE ZIRCON REFERENCE MATERIAL FOR MICROANALYSIS OF U-Th-Pb ISOTOPES AND TRACE ELEMENTS. Canadian Mineralogist, 2014, 52, 409-421.	1.0	65
70	New ties between the Alexander terrane and Wrangellia and implications for North America Cordilleran evolution. Lithosphere, 2014, 6, 270-276.	1.4	32
71	U-Pb zircon geochronology of Roxbury Conglomerate, Boston Basin, Massachusetts: Tectono-stratigraphic implications for Avalonia in and beyond SE New England. Numerische Mathematik, 2014, 314, 1009-1040.	1.4	22
72	Simultaneous in situ determination of Uâ€Pb and Smâ€Nd isotopes in monazite by laser ablation ICPâ€MS. Geochemistry, Geophysics, Geosystems, 2014, 15, 2575-2600.	2.5	36

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73	Globally synchronous Marinoan deglaciation indicated by U-Pb geochronology of the Cottons Breccia, Tasmania, Australia. Geology, 2013, 41, 1127-1130.	4.4	98
74	Age intercalibration of 40Ar/39Ar sanidine and chemically distinct U/Pb zircon populations from the Alder Creek Rhyolite Quaternary geochronology standard. Chemical Geology, 2013, 345, 87-98.	3.3	96
75	Late Paleoproterozoic terrane accretion in northwestern Canada and the case for circum-Columbian orogenesis. Precambrian Research, 2013, 224, 512-528.	2.7	61
76	Calibrating the End-Permian Mass Extinction. Science, 2011, 334, 1367-1372.	12.6	648
77	Tectonic implications for a Cordilleran orogenic base in the Frenchman Cap dome, southeastern Canadian Cordillera. Journal of Structural Geology, 2010, 32, 941-959.	2.3	22
78	Highâ€precision Uâ€Pb zircon age calibration of the global Carboniferous time scale and Milankovitch band cyclicity in the Donets Basin, eastern Ukraine. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	210
79	Depositional environments and cyclo- and chronostratigraphy of uppermost Carboniferous–Lower Triassic fluvial–lacustrine deposits, southern Bogda Mountains, NW China — A terrestrial paleoclimatic record of mid-latitude NE Pangea. Global and Planetary Change, 2010, 73, 15-113.	3.5	114
80	Calibrating the Cryogenian. Science, 2010, 327, 1241-1243.	12.6	488
81	Effects of Rapid Global Warming at the Paleocene-Eocene Boundary on Neotropical Vegetation. Science, 2010, 330, 957-961.	12.6	250
82	High-precision U-Pb calibration of Carboniferous glaciation and climate history, Paganzo Group, NW Argentina. Bulletin of the Geological Society of America, 2010, 122, 1480-1498.	3.3	181
83	Pleistocene melting and rapid exhumation of the Nanga Parbat massif, Pakistan: Age and P–T conditions of accessory mineral growth in migmatite and leucogranite. Earth and Planetary Science Letters, 2009, 288, 408-420.	4.4	57
84	Improved confidence in (Uâ€Th)/He thermochronology using the laser microprobe: An example from a Pleistocene leucogranite, Nanga Parbat, Pakistan. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	22
85	Geochronology of the 1.55Ga Bengal anorthosite and Grenvillian metamorphism in the Chotanagpur gneissic complex, eastern India. Precambrian Research, 2008, 161, 303-316.	2.7	124
86	Plešovice zircon — A new natural reference material for U–Pb and Hf isotopic microanalysis. Chemical Geology, 2008, 249, 1-35.	3.3	3,858
87	Assessing Inheritance of Zircon and Monazite in Granitic Rocks from the Monashee Complex, Canadian Cordillera. Journal of Petrology, 2008, 49, 1915-1929.	2.8	48
88	Geochronology of the 983â€Ma Chilka Lake Anorthosite, Eastern Ghats Belt, India: Implications for Preâ€Gondwana Tectonics. Journal of Geology, 2008, 116, 105-118.	1.4	54
89	Geometry, kinematics, and regional significance of the Chong Shan shear zone, Eastern Himalayan Syntaxis, Yunnan, China. , 2008, 4, 292.		122
90	U-Pb dating of zircon in the Bishop Tuff at the millennial scale. Geology, 2007, 35, 1123.	4.4	290

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91	Reassessing the uranium decay constants for geochronology using ID-TIMS U–Pb data. Geochimica Et Cosmochimica Acta, 2006, 70, 426-445.	3.9	406
92	High-Precision U-Pb Zircon Geochronology and the Stratigraphic Record: Progress and Promise. The Paleontological Society Papers, 2006, 12, 25-45.	0.6	23
93	High-precision U-Pb zircon age from the Triassic of Italy: Implications for the Triassic time scale and the Carnian origin of calcareous nannoplankton and dinosaurs. Geology, 2006, 34, 1009.	4.4	226
94	U–Pb and Hf isotopic analysis of zircon in lower crustal xenoliths from the Navajo volcanic field: 1.4ÂGa mafic magmatism and metamorphism beneath the Colorado Plateau. Contributions To Mineralogy and Petrology, 2006, 151, 313-330.	3.1	25
95	Detrital Zircon from the Jack Hills and Mount Narryer, Western Australia: Evidence for Diverse >4.0 Ga Source Rocks. Journal of Geology, 2005, 113, 239-263.	1.4	79
96	An expanded record of Early Cambrian carbon cycling from the Anti-Atlas Margin, Morocco. Canadian Journal of Earth Sciences, 2005, 42, 2195-2216.	1.3	177
97	U-Pb zircon date from the Neoproterozoic Ghaub Formation, Namibia: Constraints on Marinoan glaciation. Geology, 2004, 32, 817.	4.4	480
98	Coeval Large-Scale Magmatism in the Kalahari and Laurentian Cratons During Rodinia Assembly. Science, 2004, 304, 1126-1129.	12.6	170
99	Paleoproterozoic intraplate magmatism and basin development on the Kaapvaal Craton: Age, paleomagnetism and geochemistry of Â1.93 to Â1.87 Ga post-Waterberg dolerites. South African Journal of Geology, 2004, 107, 233-254.	1.2	122
100	Geochronology of basement rocks in the Kalahari Desert, Botswana, and implications for regional Proterozoic tectonics. Precambrian Research, 2003, 121, 47-71.	2.7	90
101	U–Pb geochronology of 3810–3630 Ma granitoid rocks south of the Isua greenstone belt, southern West Greenland. Precambrian Research, 2003, 126, 235-257.	2.7	102
102	Timing and nature of multiple 3700–3600 Ma tectonic events in intrusive rocks north of the Isua greenstone belt, southern West Greenland. Bulletin of the Geological Society of America, 2002, 114, 1311-1325.	3.3	65
103	Geochronological constraints on Paleoarchean thrust-nappe and Neoarchean accretionary tectonics in southern West Greenland. Tectonophysics, 2002, 350, 255-271.	2.2	35
104	Testing the model of late Archean terrane accretion in southern West Greenland: a comparison of the timing of geological events across the Qarliit nunaat fault, Buksefjorden region. Precambrian Research, 2002, 116, 57-79.	2.7	67
105	Diachronous deformation and a strain gradient beneath the Selkirk allochthon, northern Monashee complex, southeastern Canadian Cordillera. Journal of Structural Geology, 2001, 23, 1103-1121.	2.3	55
106	Northeastward extrusion and extensional exhumation of crystalline rocks of the Monashee complex, southeastern Canadian Cordillera. Journal of Structural Geology, 2000, 22, 603-625.	2.3	52
107	Vestiges of life in the oldest Greenland rocks? A review of early Archean geology in the Godthĥbsfjord region, and reappraisal of field evidence for >3850 Ma life on Akilia. Precambrian Research, 2000, 103, 101-124.	2.7	67
108	U-Pb geochronologic constraints on Paleoproterozoic tectonism in the Monashee complex, Canadian Cordillera: Elucidating an overprinted geologic history. Bulletin of the Geological Society of America, 1999, 111, 560-577.	3.3	37

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109	U-Pb isotopic constraints on diachronous metamorphism in the northern Monashee complex, southern Canadian Cordillera. Journal of Metamorphic Geology, 1999, 17, 483-502.	3.4	46
110	An electron microprobe study of the U–Th–Pb systematics of metamorphosed monazite: the role of Pb diffusion versus overgrowth and recrystallization. Chemical Geology, 1999, 157, 285-302.	3.3	131
111	U–Pb geochronologic constraints on the cover sequence of the Monashee complex, Canadian Cordillera: Paleoproterozoic deposition on basement. Canadian Journal of Earth Sciences, 1997, 34, 1008-1022.	1.3	29
112	Metamorphism in the Clachnacudainn terrane and implications for tectonic setting in the southern Omineca Belt, Canadian Cordillera. Canadian Journal of Earth Sciences, 1996, 33, 1570-1582.	1.3	5
113	Tectonic links between the Clachnacudainn terrane and Selkirk allochthon, southern Omineca Belt, Canadian Cordillera. Tectonics, 1994, 13, 1035-1051.	2.8	16
114	Zircon Petrochronology and ⁴⁰ Ar/ ³⁹ Ar Sanidine Dates for the Mesa Falls Tuff: Crystal-scale Records of Magmatic Evolution and the Short Lifespan of a Large Yellowstone Magma Chamber. Journal of Petrology, 0, , egw053.	2.8	14