James Crowley

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/33059/publications.pdf

Version: 2024-02-01

114 papers	11,712 citations	44069 48 h-index	27406 106 g-index
116 all docs	116 docs citations	116 times ranked	7553 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	Calibrating the End-Permian Mass Extinction. Science, 2011, 334, 1367-1372.	12.6	648
3	Calibrating the Cryogenian. Science, 2010, 327, 1241-1243.	12.6	488
4	U-Pb zircon date from the Neoproterozoic Ghaub Formation, Namibia: Constraints on Marinoan glaciation. Geology, 2004, 32, 817.	4.4	480
5	Reassessing the uranium decay constants for geochronology using ID-TIMS Uâ€"Pb data. Geochimica Et Cosmochimica Acta, 2006, 70, 426-445.	3.9	406
6	U-Pb dating of zircon in the Bishop Tuff at the millennial scale. Geology, 2007, 35, 1123.	4.4	290
7	Effects of Rapid Global Warming at the Paleocene-Eocene Boundary on Neotropical Vegetation. Science, 2010, 330, 957-961.	12.6	250
8	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
9	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
10	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
11	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
12	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
13	Coeval Large-Scale Magmatism in the Kalahari and Laurentian Cratons During Rodinia Assembly. Science, 2004, 304, 1126-1129.	12.6	170
14	Age and pattern of the southern high-latitude continental end-Permian extinction constrained by multiproxy analysis. Nature Communications, 2019, 10, 385.	12.8	165
15	An electron microprobe study of the Uâ€"Thâ€"Pb systematics of metamorphosed monazite: the role of Pb diffusion versus overgrowth and recrystallization. Chemical Geology, 1999, 157, 285-302.	3.3	131
16	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
17	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
18	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

#	Article	IF	Citations
19	Geometry, kinematics, and regional significance of the Chong Shan shear zone, Eastern Himalayan Syntaxis, Yunnan, China. , 2008, 4, 292.		122
20	Extinction at the end-Cretaceous and the origin of modern Neotropical rainforests. Science, 2021, 372, 63-68.	12.6	115
21	Depositional environments and cyclo- and chronostratigraphy of uppermost Carboniferousâ€“Lower Triassic fluvialâ€“lacustrine deposits, southern Bogda Mountains, NW China â€" A terrestrial paleoclimatic record of mid-latitude NE Pangea. Global and Planetary Change, 2010, 73, 15-113.	3.5	114
22	Uâ€“Pb geochronology of 3810â€“3630 Ma granitoid rocks south of the Isua greenstone belt, southern West Greenland. Precambrian Research, 2003, 126, 235-257.	2.7	102
23	Globally synchronous Marinoan deglaciation indicated by U-Pb geochronology of the Cottons Breccia, Tasmania, Australia. Geology, 2013, 41, 1127-1130.	4.4	98
24	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
25	Geochronology of basement rocks in the Kalahari Desert, Botswana, and implications for regional Proterozoic tectonics. Precambrian Research, 2003, 121, 47-71.	2.7	90
26	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
27	Quantifying the process and abruptness of the end-Permian mass extinction. Paleobiology, 2014, 40, 113-129.	2.0	80
28	Ultrafast magmatic buildup and diversification to produce continental crust during subduction. Geology, 2017, 45, 235-238.	4.4	80
29	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
30	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
31	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
32	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
33	Cryogenian of Yukon. Precambrian Research, 2018, 319, 114-143.	2.7	68
34	Vestiges of life in the oldest Greenland rocks? A review of early Archean geology in the GodthÃ¥bsfjord region, and reappraisal of field evidence for >3850 Ma life on Akilia. Precambrian Research, 2000, 103, 101-124.	2.7	67
35	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
36	Timing and nature of multiple 3700â€“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

#	Article	IF	Citations
37	EOCENE ZIRCON REFERENCE MATERIAL FOR MICROANALYSIS OF U-Th-Pb ISOTOPES AND TRACE ELEMENTS. Canadian Mineralogist, 2014, 52, 409-421.	1.0	65
38	Early Cambrian chronostratigraphy and geochronology of South Australia. Earth-Science Reviews, 2018, 185, 498-543.	9.1	65
39	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
40	Calibrating the middle and late Permian palynostratigraphy of Australia to the geologic time-scale via Uâ€“Pb zircon CA-IDTIMS dating. Australian Journal of Earth Sciences, 2016, 63, 701-730.	1.0	63
41	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
42	Late Paleoproterozoic terrane accretion in northwestern Canada and the case for circum-Columbian orogenesis. Precambrian Research, 2013, 224, 512-528.	2.7	61
43	Pleistocene melting and rapid exhumation of the Nanga Parbat massif, Pakistan: Age and Pâ€“T conditions of accessory mineral growth in migmatite and leucogranite. Earth and Planetary Science Letters, 2009, 288, 408-420.	4.4	57
44	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
45	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
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	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
48	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
49	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
50	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
51	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
52	Uâ€“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
53	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
54	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

#	Article	IF	Citations
55	Geochronological constraints on Paleoarchean thrust-nappe and Neoarchean accretionary tectonics in southern West Greenland. Tectonophysics, 2002, 350, 255-271.	2.2	35
56	Middle Permian Uâ€“Pb zircon ages of the â€œglacialâ€•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	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
58	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
59	New ties between the Alexander terrane and Wrangellia and implications for North America Cordilleran evolution. Lithosphere, 2014, 6, 270-276.	1.4	32
60	Solving a tuff problem: Defining a chronostratigraphic framework for Middle to Upper Jurassic nonmarine strata in eastern Australia using uraniumâ€“lead chemical abrasionâ€“thermal ionization mass spectrometry zircon dates. AAPG Bulletin, 2018, 102, 1141-1168.	1.5	30
61	Uâ€“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
62	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
63	Sedimentology of the continental endâ€Permian extinction event in the Sydney Basin, eastern Australia. Sedimentology, 2021, 68, 30-62.	3.1	28
64	Detrital zircon Uâ€“Pb geochronology constrains the age of Brazilian Neogene deposits from Western Amazonia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 516, 64-70.	2.3	26
65	Uâ€“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
66	Tectono-metamorphic history of the eastern Taureau shear zone, Mauricie area, QuÃ©bec: Implications for the exhumation of the mid-crust in the Grenville Province. Precambrian Research, 2015, 257, 22-46.	2.7	25
67	New toxodontid (Notoungulata) from the Early Miocene of Mendoza, Argentina. Palaontologische Zeitschrift, 2015, 89, 611-634.	1.6	24
68	High-Precision U-Pb Zircon Geochronology and the Stratigraphic Record: Progress and Promise. The Paleontological Society Papers, 2006, 12, 25-45.	0.6	23
69	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
70	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
71	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
72	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

#	Article	IF	Citations
73	Uâ€“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
74	A sedimentary overlap assemblage links Australia to northwestern Laurentia at 1.6â€¯Ga. Precambrian Research, 2018, 305, 19-39.	2.7	21
75	Rapid emplacement of massive Duluth Complex intrusions within the North American Midcontinent Rift. Geology, 2021, 49, 185-189.	4.4	21
76	Early Ordovician CA-IDTIMS Uâ€“Pb zircon dating and conodont biostratigraphy, Canning Basin, Western Australia. Australian Journal of Earth Sciences, 2018, 65, 61-73.	1.0	20
77	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
78	New Occurrences ofOldhamiain Eastern Yukon, Canada: Stratigraphic Context and Implications for Cambrian Deep-Marine Biostratigraphy. Ichnos, 2016, 23, 33-52.	0.5	17
79	Tectonostratigraphic evolution of the c. 780â€“730 Ma Beck Spring Dolomite: Basin Formation in the core of Rodinia. Geological Society Special Publication, 2016, 424, 213-239.	1.3	17
80	Age and Paleoenvironmental Significance of the Frazer Beach Memberâ€”A New Lithostratigraphic Unit Overlying the End-Permian Extinction Horizon in the Sydney Basin, Australia. Frontiers in Earth Science, 2021, 8, .	1.8	17
81	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
82	Tectonic links between the Clachnacudainn terrane and Selkirk allochthon, southern Omineca Belt, Canadian Cordillera. Tectonics, 1994, 13, 1035-1051.	2.8	16
83	New Uâ€“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
84	Rifting of western Laurentia at 1.38 Ga: The Hart River sills of Yukon, Canada. Lithos, 2018, 316-317, 243-260.	1.4	16
85	Paleoenvironmental and paleoclimatic evolution and cyclo- and chrono-stratigraphy of upper Permianâ€“Lower Triassic fluvial-lacustrine deposits in Bogda Mountains, NW China â€” Implications for diachronous plant evolution across the Permianâ€“Triassic boundary. Earth-Science Reviews, 2021, 222, 103741.	9.1	15
86	Zircon Petrochronology and⁴⁰Ar/³⁹Ar 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
87	Structure and kinematic evolution of the Duke River fault, southwestern Yukon. Canadian Journal of Earth Sciences, 2017, 54, 322-344.	1.3	14
88	Precise Uâ€“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
89	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
90	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

#	Article	IF	Citations
91	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
92	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
93	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
94	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
95	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
96	Apparent conflicting Roadianâ€“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
97	The northern termination of the Cache Creek terrane in Yukon: Middle Triassic arc activity and Jurassicâ€“Cretaceous structural imbrication. Canadian Journal of Earth Sciences, 2020, 57, 227-248.	1.3	9
98	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
99	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
100	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
101	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
102	Stratigraphic constraints on the Lower Cretaceous Orallo Formation, southeastern Queensland: Uâ€“Pb dating of bentonite and palynostratigraphy of associated strata. Australian Journal of Earth Sciences, 2021, 68, 343-354.	1.0	6
103	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
104	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
105	Magmatism as a response to exhumation of the Priest River complex, northern Idaho: Constraints from zircon Uâ€“Pb geochronology and Hf isotopes. Lithos, 2016, 262, 285-297.	1.4	5
106	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
107	Trace fossils, algae, invertebrate remains and new U-Pb detrital zircon geochronology from the lower Cambrian TornetrÃ¤sk Formation, northern Sweden. Gff, 2021, 143, 103-133.	1.2	5
108	Avalonian arc-to-platform transition in southeastern New England: U-Pb geochronology and stratigraphy of Ediacaran Cambridge â€œargillite,â€•Boston Basin, Massachusetts, USA. Numerische Mathematik, 2020, 320, 405-449.	1.4	4

#	Article	IF	Citations
109	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
110	New petrographic and Uâ€“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
111	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, QuÃ©bec). Journal of Structural Geology, 2020, 138, 104117.	2.3	3
112	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
113	Triassic coal measures, Tasmania: new Uâ€“Pb CA-TIMS ash bed dates and numerical calibration of palynostratigraphy. Australian Journal of Earth Sciences, 2021, 68, 1005-1016.	1.0	2
114	New insights on the age and stratigraphy of the Cisuralian succession in the Cooper Basin, Australia, based on Uâ€“Pb CA-TIMS dating of volcanic air-fall tuffs. Australian Journal of Earth Sciences, 2022, 69, 497-508.	1.0	1