

Charlotte Allen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5883620/publications.pdf>

Version: 2024-02-01

104
papers

10,652
citations

47006

47
h-index

34986

98
g-index

106
all docs

106
docs citations

106
times ranked

7128
citing authors

#	ARTICLE	IF	CITATIONS
1	The temporal distribution of Earth's supermountains and their potential link to the rise of atmospheric oxygen and biological evolution. <i>Earth and Planetary Science Letters</i> , 2022, 580, 117391.	4.4	21
2	The Onset of Gondwanide Orogeny in Eastern Australia: Insight From the Provenance of Syn-orogenic Strata in the New England Orogen (Australia). <i>Tectonics</i> , 2022, 41, .	2.8	2
3	Juvenile continental crust evolution in a modern oceanic arc setting: Petrogenesis of Cenozoic felsic plutons in Fiji, SW Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 339-365.	3.9	6
4	Detrital zircon petrochronology of central Australia, and implications for the secular record of zircon trace element composition. , 2021, 17, 538-560.		6
5	Origin of the Intra-oceanic Silverwood Block (New England Orogen, Australia): Evidence From Radiolarian Biostratigraphy and Detrital Zircon Petrochronology. <i>Tectonics</i> , 2021, 40, .	2.8	1
6	Origin of dispersed Permian-Triassic fore-arc basin terranes in New Zealand: Insights from zircon petrochronology. <i>Gondwana Research</i> , 2020, 78, 210-227.	6.0	13
7	Episodic behavior of the eastern Gondwanan margin: Insights from detrital zircon petrochronology from the Murihiku Terrane, New Zealand. <i>Lithos</i> , 2020, 356-357, 105367.	1.4	7
8	Analysing Sr isotopes in low-Sr samples such as single insects with inductively coupled plasma tandem mass spectrometry using N_2O as a reaction gas for inline Rb separation. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8604.	1.5	13
9	Crustal Evolution in the New England Orogen, Australia: Repeated Igneous Activity and Scale of Magmatism Govern the Composition and Isotopic Character of the Continental Crust. <i>Journal of Petrology</i> , 2020, 61, .	2.8	17
10	Continental Crustal Growth Processes Revealed by Detrital Zircon Petrochronology: Insights From Zealandia. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019075.	3.4	11
11	S-type granites: Their origin and distribution through time as determined from detrital zircons. <i>Earth and Planetary Science Letters</i> , 2020, 536, 116140.	4.4	70
12	Provenance of Jurassic-Cretaceous Tethyan Himalayan sequences in the Thakkhola Section- Nepal, inferring pre-collisional tectonics of the central Himalaya. <i>Journal of Asian Earth Sciences</i> , 2020, 192, 104288.	2.3	6
13	Multiple post-depositional thermal events in the Drummond Basin, Australia: Evidence from apatite and zircon (U Th)/He thermochronology. <i>Tectonophysics</i> , 2019, 767, 128146.	2.2	6
14	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. <i>Nature Ecology and Evolution</i> , 2019, 3, 400-406.	7.8	97
15	Reply to Comment by Offler et al. (2017) on "Orocline-Driven Transtensional Basins: Insights From the Lower Permian Manning Basin (Eastern Australia)". <i>Tectonics</i> , 2018, 37, 396-399.	2.8	1
16	Earth's oldest stable crust in the Pilbara Craton formed by cyclic gravitational overturns. <i>Nature Geoscience</i> , 2018, 11, 357-361.	12.9	86
17	Crustal and thermal structure of the Thomson Orogen: constraints from the geochemistry, zircon U-Pb age, and Hf and O isotopes of subsurface granitic rocks. <i>Australian Journal of Earth Sciences</i> , 2018, 65, 967-986.	1.0	15
18	Permian rifting and isolation of New Caledonia: Evidence from detrital zircon geochronology. <i>Gondwana Research</i> , 2018, 60, 54-68.	6.0	23

#	ARTICLE	IF	CITATIONS
19	Petrography and provenance of Upper Cretaceous to Palaeogene sandstones in the foreland basin system of Central Nepal. <i>International Geology Review</i> , 2018, 60, 135-156.	2.1	13
20	Use and abuse of zircon-based thermometers: A critical review and a recommended approach to identify antecrystic zircons. <i>Earth-Science Reviews</i> , 2018, 176, 87-116.	9.1	153
21	Geology and Geochronology of the Golpu Porphyry and Wafi Epithermal Deposit, Morobe Province, Papua New Guinea. <i>Economic Geology</i> , 2018, 113, 271-294.	3.8	26
22	Detrital zircon analysis from the Galilee Basin, Queensland.. ASEG Extended Abstracts, 2018, 2018, 1-8.	0.1	0
23	Geochronology and geochemistry of the Devonian Gumbardo Formation (Adavale Basin): evidence for cratonisation of the Central Thomson Orogen by the Early Devonian. <i>Australian Journal of Earth Sciences</i> , 2018, 65, 1133-1159.	1.0	8
24	Detrital zircon U-Pb geochronology of Permian strata in the Galilee Basin, Queensland, Australia. <i>Australian Journal of Earth Sciences</i> , 2018, 65, 465-481.	1.0	7
25	Effects of thermal annealing and chemical abrasion on ca. 3.5 Ga metamict zircon and evidence for natural reverse discordance: Insights for U Pb LA-ICP-MS dating. <i>Chemical Geology</i> , 2017, 466, 285-302.	3.3	16
26	Trace-element compositions of sapphire and ruby from the eastern Australian gemstone belt. <i>Mineralogical Magazine</i> , 2017, 81, 1551-1576.	1.4	8
27	Orocline-driven transtensional basins: Insights from the Lower Permian Manning Basin (eastern) Tj ETQq1 1 0.784314 rgBT /Overloc	2.8	18
28	Ediacaran to Cambrian basin evolution in the Koonenberry Belt (eastern Australia): Implications for the geodynamics of the Delamerian Orogen. <i>Gondwana Research</i> , 2016, 37, 266-284.	6.0	19
29	The Palu Metamorphic Complex, NW Sulawesi, Indonesia: Origin and evolution of a young metamorphic terrane with links to Gondwana and Sundaland. <i>Journal of Asian Earth Sciences</i> , 2016, 115, 133-152.	2.3	52
30	The tectonic significance of lower Permian successions in the Texas Orocline (Eastern Australia). <i>Australian Journal of Earth Sciences</i> , 2015, 62, 789-806.	1.0	20
31	Early deformation in the Eastern Goldfields, Yilgarn Craton, Western Australia: A record of early thrusting?. <i>Precambrian Research</i> , 2015, 266, 212-226.	2.7	4
32	Determination of refractive and volatile elements in sediment using laser ablation inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 898, 19-27.	5.4	20
33	Detrital zircon U-Pb-He double dating: A method of quantifying long- and short-term exhumation rates in collisional orogens. <i>Science China Earth Sciences</i> , 2014, 57, 2702-2711.	5.2	4
34	Lepong: A New Obsidian Source in the Admiralty Islands, Papua New Guinea. <i>Geoarchaeology - an International Journal</i> , 2014, 29, 238-248.	1.5	7
35	The origin of shoshonites: new insights from the Tertiary high-potassium intrusions of eastern Tibet. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	3.1	100
36	Marine Volcanosedimentary Basins Hosting Porphyry Au-Cu Deposits, Cadia Valley, New South Wales, Australia. <i>Economic Geology</i> , 2014, 109, 1117-1135.	3.8	13

#	ARTICLE	IF	CITATIONS
37	Geochronological (U–Pb, U–Th–total Pb, Sm–Nd) and geochemical (REE, 87Sr/86Sr, $\delta^{18}O$, $\delta^{13}C$) tracing of intraplate tectonism and associated fluid flow in the Warburton Basin, Australia. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	3.1	6
38	The largest Au deposits in the St Ives Goldfield (Yilgarn Craton, Western Australia) may be located in a major Neoproterozoic volcano-sedimentary depo-centre. <i>Mineralium Deposita</i> , 2013, 48, 861-881.	4.1	11
39	Chalcophile element geochemistry of the Boggy Plain zoned pluton, southeastern Australia: a S-saturated barren compositionally diverse magmatic system. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 217-236.	3.1	25
40	Evolution of the African continental crust as recorded by U–Pb, Lu–Hf and O isotopes in detrital zircons from modern rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 107, 96-120.	3.9	136
41	Identification and elimination of a matrix-induced systematic error in LA–ICP–MS 206Pb/238U dating of zircon. <i>Chemical Geology</i> , 2012, 332-333, 157-165.	3.3	117
42	Early-mid Cretaceous tectonic evolution of eastern Gondwana: From silicic LIP magmatism to continental rapture. <i>Episodes</i> , 2012, 35, 142-152.	1.2	71
43	Growth rate of the preserved continental crust: II. Constraints from Hf and O isotopes in detrital zircons from Greater Russian Rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1308-1345.	3.9	74
44	Timing and source constraints on the relationship between mafic and felsic intrusions in the Emeishan large igneous province. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1374-1395.	3.9	122
45	The Tarim picrite–basalt–rhyolite suite, a Permian flood basalt from northwest China with contrasting rhyolites produced by fractional crystallization and anatexis. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 407-425.	3.1	237
46	An integrated zircon geochronological and geochemical investigation into the Miocene plutonic evolution of the Cyclades, Aegean Sea, Greece: Part 1: Geochronology. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 719-742.	3.1	72
47	Trace-element modeling of the magmatic evolution of rare-earth-rich carbonatite from the Miaoya deposit, Central China. <i>Lithos</i> , 2010, 118, 145-155.	1.4	92
48	Monsoon control over erosion patterns in the Western Himalaya: possible feed-back into the tectonic evolution. <i>Geological Society Special Publication</i> , 2010, 342, 185-218.	1.3	40
49	Provenance of Eocene river sediments from the central northern Sierra Nevada and implications for paleotopography. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	25
50	Two cycles of voluminous pyroclastic volcanism and sedimentation related to episodic granite emplacement during the late Archean: Eastern Yilgarn Craton, Western Australia. <i>Precambrian Research</i> , 2010, 183, 251-274.	2.7	63
51	Mutual replacement reactions in alkali feldspars II: trace element partitioning and geothermometry. <i>Contributions To Mineralogy and Petrology</i> , 2009, 157, 663-687.	3.1	42
52	Determination of Selenium Concentrations in NIST SRM 610, 612, 614 and Geological Glass Reference Materials Using the Electron Probe, LA–ICP–MS and SHRIMP II. <i>Geostandards and Geoanalytical Research</i> , 2009, 33, 309-317.	3.1	15
53	Rate of growth of the preserved North American continental crust: Evidence from Hf and O isotopes in Mississippi detrital zircons. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 712-728.	3.9	113
54	The geochemistry of the volatile trace elements As, Cd, Ga, In and Sn in the Earth's mantle: New evidence from in situ analyses of mantle xenoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1755-1778.	3.9	72

#	ARTICLE	IF	CITATIONS
55	Solubility of Pt in sulphide mattes: Implications for the genesis of PGE-rich horizons in layered intrusions. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5764-5777.	3.9	110
56	Possible obsidian sources for artifacts from Timor: narrowing the options using chemical data. <i>Journal of Archaeological Science</i> , 2009, 36, 607-615.	2.4	32
57	Multimillion year thermal history of a porphyry copper deposit: application of U ²³⁵ -Pb, 40Ar/39Ar and (U ²³⁸ -Th)/He chronometers, Bajo de la Alumbrera copper-gold deposit, Argentina. <i>Mineralium Deposita</i> , 2008, 43, 295-314.	4.1	71
58	Formation of supercontinents linked to increases in atmospheric oxygen. <i>Nature Geoscience</i> , 2008, 1, 554-558.	12.9	323
59	U ²³⁵ -Pb zircon age, geochemical and isotopic characteristics of carbonatite and syenite complexes from the Shaxiongong, China. <i>Lithos</i> , 2008, 105, 118-128.	1.4	57
60	Comparison of the Daluxiang and Maoniuping carbonatitic REE deposits with Bayan Obo REE deposit, China. <i>Lithos</i> , 2008, 106, 12-24.	1.4	83
61	Brahmaputra sediment flux dominated by highly localized rapid erosion from the easternmost Himalaya. <i>Geology</i> , 2008, 36, 711.	4.4	110
62	Holocene erosion of the Lesser Himalaya triggered by intensified summer monsoon. <i>Geology</i> , 2008, 36, 79.	4.4	174
63	New Insights into Crustal Contributions to Large-volume Rhyolite Generation in the Mid-Tertiary Sierra Madre Occidental Province, Mexico, Revealed by U ²³⁵ -Pb Geochronology. <i>Journal of Petrology</i> , 2008, 49, 47-77.	2.8	101
64	Timing of sedimentation, metamorphism, and plutonism in the Helgeland Nappe Complex, north-central Norwegian Caledonides. , 2007, 3, 683.		53
65	The Age of the Potassic Alkaline Igneous Rocks along the Ailao Shan-Red River Shear Zone: Implications for the Onset Age of Left-Lateral Shearing. <i>Journal of Geology</i> , 2007, 115, 231-242.	1.4	136
66	Platinum Group Element Geochemistry of Andesite Intrusions of the Kelian Region, East Kalimantan, Indonesia: Implications of Gold Depletion in the Intrusions Associated with the Kelian Gold Deposit. <i>Economic Geology</i> , 2007, 102, 95-108.	3.8	15
67	Allanite micro-geochronology: A LA-ICP-MS and SHRIMP U ²³⁵ -Th ²³² -Pb study. <i>Chemical Geology</i> , 2007, 245, 162-182.	3.3	122
68	Petrologic, isotopic, and radiometric age constraints on the origin and tectonic history of the Malino Metamorphic Complex, NW Sulawesi, Indonesia. <i>Journal of Asian Earth Sciences</i> , 2007, 29, 751-777.	2.3	64
69	Flat rare earth element patterns as an indicator of cumulate processes in the Lesser Qinling carbonatites, China. <i>Lithos</i> , 2007, 95, 267-278.	1.4	68
70	Thermochronology of mineral grains in the Red and Mekong Rivers, Vietnam: Provenance and exhumation implications for Southeast Asia. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	80
71	Did the Transgondwanan Supermountain trigger the explosive radiation of animals on Earth?. <i>Earth and Planetary Science Letters</i> , 2006, 250, 116-133.	4.4	286
72	U ²³⁵ -Th ²³² -Pb detrital zircon geochronology from the southern Prince Charles Mountains, East Antarctica-Defining the Archaean to Neoproterozoic Ruker Province. <i>Precambrian Research</i> , 2006, 148, 292-306.	2.7	82

#	ARTICLE	IF	CITATIONS
73	The Proterozoic magmatic and metamorphic history of the Banded Gneiss Complex, central Rajasthan, India: LA-ICP-MS U-Pb zircon constraints. <i>Precambrian Research</i> , 2006, 151, 119-142.	2.7	151
74	Zircon Ce ⁴⁺ /Ce ³⁺ ratios and ages for Yulong ore-bearing porphyries in eastern Tibet. <i>Mineralium Deposita</i> , 2006, 41, 152-159.	4.1	257
75	Depth of origin of late Middle Jurassic garnet andesite, southern Klamath Mountains, California. , 2006, , .		4
76	Ages and some cryptic sources of Mesozoic plutonic rocks in the Klamath Mountains, California and Oregon. , 2006, , .		16
77	U-Pb Zircon Geochronology of Granitic Rocks from the Chuquibambilla-El Abra Porphyry Copper Belt of Northern Chile: Excimer Laser Ablation ICP-MS Analysis. <i>Economic Geology</i> , 2006, 101, 1327-1344.	3.8	51
78	Age of the Pueblo Viejo Gold-Silver Deposit and Its Significance to Models for High-Sulfidation Epithermal Mineralization. <i>Economic Geology</i> , 2005, 100, 253-272.	3.8	5
79	Age of the Los Ranchos Formation, Dominican Republic: Timing and tectonic setting of primitive island arc volcanism in the Caribbean region. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 987.	3.3	44
80	(U-Th)/(He-Pb) double dating of detrital zircons. <i>Numerische Mathematik</i> , 2005, 305, 259-311.	1.4	148
81	Timing of volatile and magma ascent in the formation of the Bajo de la Alumbrera porphyry Cu-Au deposit. , 2005, , 393-396.		0
82	He-Pb double dating of detrital zircons from the Ganges and Indus Rivers: Implication for quantifying sediment recycling and provenance studies. <i>Earth and Planetary Science Letters</i> , 2005, 237, 402-432.	4.4	135
83	U-Pb zircon geochronology of Late Devonian to Early Carboniferous extension-related silicic volcanism in the northern New England Fold Belt*. <i>Australian Journal of Earth Sciences</i> , 2004, 51, 645-664.	1.0	49
84	ELA-ICP-MS U-Pb zircon geochronology of regional volcanism hosting the Bajo de la Alumbrera Cu-Au deposit: implications for porphyry-related mineralization. <i>Mineralium Deposita</i> , 2004, 39, 46-67.	4.1	89
85	Thermochronology of the modern Indus River bedload: New insight into the controls on the marine stratigraphic record. <i>Tectonics</i> , 2004, 23, n/a-n/a.	2.8	39
86	Improved ²⁰⁶ Pb/ ²³⁸ U microprobe geochronology by the monitoring of a trace-element-related matrix effect; SHRIMP, ID-TIMS, ELA-ICP-MS and oxygen isotope documentation for a series of zircon standards. <i>Chemical Geology</i> , 2004, 205, 115-140.	3.3	1,472
87	Iridium anomalies and fractionated siderophile element patterns in impact ejecta, Brockman Iron Formation, Hamersley Basin, Western Australia: evidence for a major asteroid impact in simatic crustal regions of the early Proterozoic earth. <i>Earth and Planetary Science Letters</i> , 2004, 220, 247-264.	4.4	47
88	Multiple 3.47-Ga-old asteroid impact fallout units, Pilbara Craton, Western Australia. <i>Earth and Planetary Science Letters</i> , 2004, 221, 383-396.	4.4	35
89	Evidence for Multiple Recycling in Neoproterozoic through Pennsylvanian Sedimentary Rocks of the Central Appalachian Basin. <i>Journal of Geology</i> , 2004, 112, 261-276.	1.4	95
90	TEMORA 1: a new zircon standard for Phanerozoic U-Pb geochronology. <i>Chemical Geology</i> , 2003, 200, 155-170.	3.3	2,017

#	ARTICLE	IF	CITATIONS
91	Combined single-grain (U-Th)/He and U/Pb dating of detrital zircons from the Navajo Sandstone, Utah. <i>Geology</i> , 2003, 31, 761.	4.4	163
92	Predominance of Grenvillian Magmatism Recorded in Detrital Zircons from Modern Appalachian Rivers. <i>Journal of Geology</i> , 2003, 111, 707-717.	1.4	57
93	Granite suites and supersuites of eastern Australia. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 515-530.	1.0	43
94	Are A-type granites the high-temperature felsic granites? Evidence from fractionated granites of the Wangrah Suite. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 501-514.	1.0	324
95	25 years of I and S granites. <i>Australian Journal of Earth Sciences</i> , 2001, 48, 487-488.	1.0	5
96	Evolution of a post-batholith dike swarm in central coastal Queensland, Australia: arc-front to backarc?. <i>Lithos</i> , 2000, 51, 331-349.	1.4	39
97	Granite genesis and basin formation in an extensional setting: The magmatic history of the Northernmost New England Orogen*. <i>Australian Journal of Earth Sciences</i> , 1998, 45, 875-888.	1.0	65
98	Characterization and Origin of Aluminous A-type Granites from the Lachlan Fold Belt, Southeastern Australia. <i>Journal of Petrology</i> , 1997, 38, 371-391.	2.8	981
99	Late Paleozoic crustal history of central coastal Queensland interpreted from geochemistry of Mesozoic plutons: The effects of continental rifting. <i>Lithos</i> , 1997, 42, 67-88.	1.4	19
100	Intrusive metallogenic provinces in eastern Australia based on granite source and composition. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 1996, 87, 281-290.	0.3	45
101	Intrusive metallogenic provinces in eastern Australia based on granite source and composition. , 1996, , ,		1
102	A nested diapir model for the reversely zoned Turtle Pluton, southeastern California. <i>Special Paper of the Geological Society of America</i> , 1992, , 179-190.	0.5	5
103	A nested diapir model for the reversely zoned Turtle Pluton, southeastern California. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 1992, 83, 179-190.	0.3	16
104	Open- and closed-system characteristics of a tilted plutonic system, Klamath Mountains, California. <i>Journal of Geophysical Research</i> , 1986, 91, 6073-6090.	3.3	41