

# Trevor R Ireland

## List of Publications by Year in descending order

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213  
papers

15,747  
citations

18887

64  
h-index

20625

120  
g-index

218  
all docs

218  
docs citations

218  
times ranked

8438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. <i>Science</i> , 2023, 379, .	6.0	97
2	The Paleoproterozoic Northern Mundo Novo Greenstone Belt, São Francisco Craton: Geochemistry, U-Pb-Hf-O in zircon and pyrite $^{34}\text{S}$ - $^{33}\text{S}$ - $^{36}\text{S}$ signatures. <i>Geoscience Frontiers</i> , 2022, 13, 101252.	4.3	3
3	Foulwind Suite magmatism in the Buller Terrane, New Zealand: geochemistry of the Carboniferous Foulwind and Windy Point Granites. <i>New Zealand Journal of Geology, and Geophysics</i> , 2022, 65, 470-490.	1.0	2
4	Solid-phase transfer into the forearc mantle wedge: Rutile and zircon xenocrysts fingerprint subducting sources. <i>Earth and Planetary Science Letters</i> , 2022, 577, 117251.	1.8	10
5	A Model Earth-sized Planet in the Habitable Zone of $\pm$ Centauri A/B. <i>Astrophysical Journal</i> , 2022, 927, 134.	1.6	4
6	Direct dating of podiform Chromitite: U-Pb (Zircon, Rutile) and $^{40}\text{Ar}/^{39}\text{Ar}$ (Pargasite) evidence from Ti- $\text{Cr}$ deposit (New Caledonia). <i>Ore Geology Reviews</i> , 2022, 145, 104873.	1.1	2
7	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. <i>Nature Astronomy</i> , 2022, 6, 214-220.	4.2	136
8	Strontium isotope analysis of apatite via SIMS. <i>Chemical Geology</i> , 2021, 559, 119979.	1.4	14
9	Sources of auriferous fluids associated with a Neoproterozoic BIF-hosted orogenic gold deposit revealed by the multiple sulfur isotopic compositions of zoned pyrites. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	1.2	2
10	A petrochronology window into near-surface fluid/rock interaction within Archaean ultramafic-mafic crust: Insights from the 3.25 Ga Stolzburg Complex, Barberton Greenstone Belt. <i>Chemical Geology</i> , 2021, 569, 120130.	1.4	6
11	Geochronological constraints on the timing of magmatism, deformation and mineralization at the Karouni orogenic gold deposit: Guyana, South America. <i>Precambrian Research</i> , 2020, 337, 105329.	1.2	8
12	High-Precision, High-Accuracy Oxygen Isotope Measurements of Zircon Reference Materials with the SHRIMP-CSI. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 85-102.	1.7	21
13	Cretaceous molybdenite in metasomatic epidosite associated with the Pounamu ophiolite, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2020, 63, 227-236.	1.0	1
14	The sign of $^{33}\text{S}$ is independent of pyrite morphology. <i>Chemical Geology</i> , 2020, 532, 119369.	1.4	1
15	Structure and evolution of the Wairakei-Tauhara geothermal system (Taupo Volcanic Zone, New Zealand). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 390, 106705.	0.8	16
16	SW Pacific arc and backarc lavas and the role of slab-bend serpentinites in the global halogen cycle. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115921.	1.8	22
17	Protocols for in situ measurement of oxygen isotopes in goethite by ion microprobe. <i>Chemical Geology</i> , 2020, 533, 119436.	1.4	2
18	A zircon U-Pb geochronology for the Rotokawa geothermal system, New Zealand, with implications for Taupo Volcanic Zone evolution. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 389, 106729.	0.8	19

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19	Magnesium in subaqueous speleothems as a potential palaeotemperature proxy. <i>Nature Communications</i> , 2020, 11, 5027.	5.8	16
20	In-situ quadruple sulfur isotopic compositions of pyrites in the ca. 3.2–2.7 Ga metasedimentary rocks from the Pilbara Craton, Western Australia. <i>Chemical Geology</i> , 2020, 557, 119837.	1.4	2
21	Exploring the efficiency of stepwise dissolution in removal of stubborn non-radiogenic Pb in chondrule U-Pb dating. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 1-20.	1.6	10
22	Triple oxygen isotope variations in magnetite from iron-oxide deposits, central Iran, record magmatic fluid interaction with evaporite and carbonate host rocks. <i>Geology</i> , 2020, 48, 211-215.	2.0	34
23	New U Pb, Hf and O isotope constraints on the provenance of sediments from the Adelaide Rift Complex – Documenting the key Neoproterozoic to early Cambrian succession. <i>Gondwana Research</i> , 2020, 83, 248-278.	3.0	20
24	Geochemical characteristics of pyrite in the Dabaozhuang deposit in the Middle-Lower Yangtze River Metallogenic Belt, Eastern China. <i>Ore Geology Reviews</i> , 2020, 124, 103662.	1.1	8
25	Oxygen Isotopes and Sampling of the Solar System. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	22
26	Textural and geochemical investigation of pyrite in Jacobina Basin, São Francisco Craton, Brazil: Implications for paleoenvironmental conditions and formation of pre-GOE metaconglomerate-hosted Au-(U) deposits. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 331-353.	1.6	9
27	Quadruple sulfur isotopic fractionation during pyrite desulfidation to pyrrhotite. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 354-366.	1.6	9
28	Hydrothermal fluid characteristics and implications of the Makou IOA deposit in Luzong Basin, eastern China. <i>Ore Geology Reviews</i> , 2020, 127, 103867.	1.1	2
29	Thermal history of Early Jurassic eclogite facies metamorphism in the Nagaland Ophiolite Complex, NE India: New insights into pre-Cretaceous subduction channel tectonics within the Neo-Tethys. <i>Lithos</i> , 2019, 346-347, 105166.	0.6	16
30	Global atmospheric oxygen variations recorded by Th/U systematics of igneous rocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18854-18859.	3.3	40
31	Pyrite trace-element and sulfur isotope geochemistry of paleo-mesoproterozoic McArthur Basin: Proxy for oxidative weathering. <i>American Mineralogist</i> , 2019, 104, 1256-1272.	0.9	28
32	Mesoarchaean clockwise metamorphic P-T path from the Western Dharwar Craton. <i>Lithos</i> , 2019, 342-343, 370-390.	0.6	12
33	The formation mechanisms of sedimentary pyrite nodules determined by trace element and sulfur isotope microanalysis. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 53-68.	1.6	53
34	Best practices for the use of meteorite names in publications. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1397-1400.	0.7	2
35	Tectonic Evolution of the Western Margin of the Burma Microplate Based on New Fossil and Radiometric Age Constraints. <i>Tectonics</i> , 2019, 38, 1718-1741.	1.3	59
36	Comparative geochemical study of scheelite from the Shizhuyuan and Xianglushan tungsten skarn deposits, South China: Implications for scheelite mineralization. <i>Ore Geology Reviews</i> , 2019, 109, 448-464.	1.1	36

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37	The operational environment and rotational acceleration of asteroid (101955) Bennu from OSIRIS-REx observations. <i>Nature Communications</i> , 2019, 10, 1291.	5.8	99
38	The dynamic geophysical environment of (101955) Bennu based on OSIRIS-REx measurements. <i>Nature Astronomy</i> , 2019, 3, 352-361.	4.2	132
39	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	4.2	251
40	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	4.2	188
41	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. <i>Nature Geoscience</i> , 2019, 12, 242-246.	5.4	161
42	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. <i>Nature Geoscience</i> , 2019, 12, 247-252.	5.4	179
43	The unexpected surface of asteroid (101955) Bennu. <i>Nature</i> , 2019, 568, 55-60.	13.7	364
44	The volatility trend of protosolar and terrestrial elemental abundances. <i>Icarus</i> , 2019, 328, 287-305.	1.1	21
45	U-Th/He systematics of fluid-rich "fibrous" diamonds " Evidence for pre- and syn-kimberlite eruption ages. <i>Chemical Geology</i> , 2019, 515, 22-36.	1.4	11
46	Mineralogical constraints on the thermal history of martian regolith breccia Northwest Africa 8114. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 246, 267-298.	1.6	12
47	Reconnaissance Basement Geology and Tectonics of South Zealandia. <i>Tectonics</i> , 2019, 38, 516-551.	1.3	46
48	Enhanced constraints on the interior composition and structure of terrestrial exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2222-2233.	1.6	25
49	Major Miocene geological events in southern Tibet and eastern Asia induced by the subduction of the Ninetyeast Ridge. <i>Acta Geochimica</i> , 2018, 37, 395-401.	0.7	18
50	Rare earth element abundances in presolar SiC. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 221, 200-218.	1.6	9
51	The elemental abundances (with uncertainties) of the most Earth-like planet. <i>Icarus</i> , 2018, 299, 460-474.	1.1	63
52	Palaeoarchaeon materials in the Tibetan Plateau indicated by zircon. <i>International Geology Review</i> , 2018, 60, 1061-1072.	1.1	8
53	Carbonated mantle domains at the base of the Earth's transition zone. <i>Chemical Geology</i> , 2018, 478, 69-75.	1.4	20
54	Experimental constraints on hydrogen diffusion in garnet. <i>Contributions To Mineralogy and Petrology</i> , 2018, 173, 1.	1.2	24

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55	Globally asynchronous sulphur isotope signals require re-definition of the Great Oxidation Event. <i>Nature Communications</i> , 2018, 9, 2245.	5.8	82
56	Halogens (F, Cl, Br, I) in Thirteen USGS, GSJ and NIST International Rock and Glass Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 499-511.	1.7	19
57	Adakitic rocks associated with the Shilu copper-molybdenum deposit in the Yangchun Basin, South China, and their tectonic implications. <i>Acta Geochimica</i> , 2017, 36, 132-150.	0.7	55
58	The limitations of hibonite as a single-mineral oxybarometer for early solar system processes. <i>Chemical Geology</i> , 2017, 466, 32-40.	1.4	11
59	Tracking the evolution of Late Mesozoic arc-related magmatic systems in Hong Kong using in-situ U-Pb dating and trace element analyses in zircon. <i>American Mineralogist</i> , 2017, 102, 2190-2219.	0.9	4
60	Zircon in amphibolites from Naxos, Aegean Sea, Greece: origin, significance and tectonic setting. <i>Journal of Metamorphic Geology</i> , 2017, 35, 413-434.	1.6	30
61	Inverted Oligo-Miocene metamorphism in the Lesser Himalaya Sequence, Arunachal Pradesh, India; age and grade relationships. <i>Journal of Metamorphic Geology</i> , 2016, 34, 805-820.	1.6	14
62	Zircon geochemistry of two contrasting types of eclogite: Implications for the tectonic evolution of the North Qaidam UHPM belt, northern Tibet. <i>Gondwana Research</i> , 2016, 35, 27-39.	3.0	49
63	Fluorine partitioning between eclogitic garnet, clinopyroxene, and melt at upper mantle conditions. <i>Chemical Geology</i> , 2016, 437, 88-97.	1.4	18
64	Generation of Late Mesozoic Qianlishan A 2 -type granite in Nanling Range, South China: Implications for Shizhuyuan W-Sn mineralization and tectonic evolution. <i>Lithos</i> , 2016, 266-267, 435-452.	0.6	130
65	Trace Element Content of Pyrite from the Kapei Slate, St. Ives Gold District, Western Australia. <i>Economic Geology</i> , 2016, 111, 1297-1320.	1.8	86
66	Oceanic anoxic events, subduction style and molybdenum mineralization. <i>Solid Earth Sciences</i> , 2016, 1, 64-73.	0.8	39
67	Rapid cooling of planetesimal core-mantle reaction zones from Mn-Cr isotopes in pallasites. <i>Geochemical Perspectives Letters</i> , 2016, , 68-77.	1.0	10
68	The Earth, Planets and Space Special Issue: "Science of solar system materials examined from Hayabusa and future missions" Earth, Planets and Space, 2015, 67, .	0.9	5
69	Synsedimentary to Early Diagenetic Gold in Black Shale-Hosted Pyrite Nodules at the Golden Mile Deposit, Kalgoorlie, Western Australia. <i>Economic Geology</i> , 2015, 110, 1157-1191.	1.8	70
70	Zircon U-Pb, O, and Hf isotopic constraints on Mesozoic magmatism in the Cyclades, Aegean Sea, Greece. <i>International Journal of Earth Sciences</i> , 2015, 104, 75-87.	0.9	44
71	The chemical conditions of the late Archean Hamersley basin inferred from whole rock and pyrite geochemistry with $\delta^{33}\text{S}$ and $\delta^{34}\text{S}$ isotope analyses. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 149, 223-250.	1.6	53
72	Mn-Cr dating of Fe- and Ca-rich olivine from "quenched" and "plutonic" angrite meteorites using Secondary Ion Mass Spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 157, 13-27.	1.6	19

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73	Secondary Ion Mass Spectrometry (SIMS). Encyclopedia of Earth Sciences Series, 2015, , 739-740.	0.1	1
74	Multiple Sulfur Isotope Analyses Support a Magmatic Model for the Volcanogenic Massive Sulfide Deposits of the Teutonic Bore Volcanic Complex, Yilgarn Craton, Western Australia. Economic Geology, 2015, 110, 1411-1423.	1.8	32
75	Sensitive high resolution ion microprobe $^{41}\text{Ca}$ stable isotope (SHRIMP-SI) analysis of water in silicate glasses and nominally anhydrous reference minerals. Journal of Analytical Atomic Spectrometry, 2015, 30, 1706-1722.	1.6	17
76	The detrital zircon $^{207}\text{Pb}/^{235}\text{U}$ fingerprint of the northern Arabian Nubian Shield as reflected by a Late Ediacaran arkosic wedge (Zenifim Formation; subsurface Israel). Precambrian Research, 2015, 266, 1-11.	1.2	51
77	Preservation of a fragmented late Neoproterozoic earliest Cambrian hyper-extended continental-margin sequence in the Australian Delamerian Orogen. Geological Society Special Publication, 2015, 413, 269-299.	0.8	12
78	The Pounamu terrane, a new Cretaceous exotic terrane within the Alpine Schist, New Zealand; tectonically emplaced, deformed and metamorphosed during collision of the LIP Hikurangi Plateau with Zealandia. Gondwana Research, 2015, 27, 1255-1269.	3.0	21
79	Gondwana margin evolution from zircon REE, O and Hf signatures of Western Province gneisses, Zealandia. Geological Society Special Publication, 2015, 389, 323-353.	0.8	12
80	Timing of global crustal metamorphism on Vesta as revealed by high-precision $^{207}\text{Pb}$ dating and trace element chemistry of eucrite zircon. Earth and Planetary Science Letters, 2015, 409, 182-192.	1.8	39
81	Stellar Chronology. Encyclopedia of Earth Sciences Series, 2015, , 780-781.	0.1	0
82	Secondary Ion Mass Spectrometry. New Developments in Mass Spectrometry, 2014, , 439-499.	0.2	9
83	$^{207}\text{Pb}$ geochronology of Permian plutonic rocks, Longwood Range, New Zealand: implications for Median Batholith Brook Street Terrane relations. New Zealand Journal of Geology, and Geophysics, 2014, 57, 65-85.	1.0	36
84	The genetic association between magnetite hematite and porphyry copper deposits: Reply to Pokrovski. Geochimica Et Cosmochimica Acta, 2014, 126, 639-642.	1.6	9
85	Paragenesis and composition of ore minerals in the Randalls BIF-hosted gold deposits, Yilgarn Craton, Western Australia: Implications for the timing of deposit formation and constraints on gold sources. Precambrian Research, 2014, 243, 110-132.	1.2	23
86	Stratigraphy and structure of the Ngatamariki geothermal system from new zircon $^{207}\text{Pb}$ geochronology: Implications for Taupo Volcanic Zone evolution. Journal of Volcanology and Geothermal Research, 2014, 274, 51-70.	0.8	61
87	Charge-mode electrometer measurements of S-isotopic compositions on SHRIMP-SI. International Journal of Mass Spectrometry, 2014, 359, 26-37.	0.7	60
88	New Perspectives on the Bishop Tuff from Zircon Textures, Ages and Trace Elements. Journal of Petrology, 2014, 55, 395-426.	1.1	96
89	Post-supereruption Magmatic Reconstruction of Taupo Volcano (New Zealand), as Reflected in Zircon Ages and Trace Elements. Journal of Petrology, 2014, 55, 1511-1533.	1.1	49
90	Temporal evolution and compositional signatures of two supervolcanic systems recorded in zircons from Mangakino volcanic centre, New Zealand. Contributions To Mineralogy and Petrology, 2014, 167, 1.	1.2	32

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91	Magnetite-hematite, oxygen fugacity, adakite and porphyry copper deposits: Reply to Richards. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 646-649.	1.6	14
92	Provenance connections between late Neoproterozoic and early Palaeozoic sedimentary basins of the Ross Sea region, Antarctica, south-east Australia and southern Zealandia. <i>Antarctic Science</i> , 2014, 26, 173-182.	0.5	28
93	Ba isotopic compositions in stardust SiC grains from the Murchison meteorite: Insights into the stellar origins of large SiC grains. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 628-647.	1.6	15
94	Mn-Cr relative sensitivity Factors for Secondary Ion Mass Spectrometry analysis of Mg-Fe-Ca olivine and implications for the Mn-Cr chronology of meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 110, 216-228.	1.6	12
95	A re-evaluation of the Mn-Cr systematics of olivine from the angrite meteorite D <sup>TM</sup> Orbigny using Secondary Ion Mass Spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 181-194.	1.6	7
96	The link between reduced porphyry copper deposits and oxidized magmas. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 103, 263-275.	1.6	339
97	U-Pb dating of zircon in hydrothermally altered rocks of the Kawerau Geothermal Field, Taupo Volcanic Zone, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 253, 97-113.	0.8	30
98	Dating the Oldest Rocks and Minerals in the Solar System. <i>Elements</i> , 2013, 9, 39-44.	0.5	30
99	Invited Review Article: Recent developments in isotope-ratio mass spectrometry for geochemistry and cosmochemistry. <i>Review of Scientific Instruments</i> , 2013, 84, 011101.	0.6	37
100	EUROPIUM <i>s</i> -PROCESS SIGNATURE AT CLOSE-TO-SOLAR METALLICITY IN STARDUST SiC GRAINS FROM ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal Letters</i> , 2013, 768, L18.	3.0	14
101	No mass-independent sulfur isotope fractionation in auriferous fluids supports a magmatic origin for Archean gold deposits. <i>Geology</i> , 2013, 41, 791-794.	2.0	92
102	Magnetocentrifugal jets and chondrule formation in protostellar disks. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 228-229.	0.0	0
103	Oxygen isotope tracing of the Solar System. <i>Australian Journal of Earth Sciences</i> , 2012, 59, 225-236.	0.4	9
104	Is the switch from I- to S-type magmatism in the Himalayan Orogen indicative of the collision of India and Eurasia?. <i>Australian Journal of Earth Sciences</i> , 2012, 59, 321-340.	0.4	19
105	TUNGSTEN ISOTOPIC COMPOSITIONS IN STARDUST SiC GRAINS FROM THE MURCHISON METEORITE: CONSTRAINTS ON THE <i>s</i> -PROCESS IN THE Hf-Ta-W-Re-Os REGION. <i>Astrophysical Journal</i> , 2012, 744, 49.	1.6	32
106	Mylonites of the South American Shear Zone: Insights for crustal-scale fluid flow and water-rock interaction processes. <i>Journal of Geodynamics</i> , 2012, 56-57, 86-107.	0.7	43
107	Formation of chondrules in magnetic winds blowing through the proto-asteroid belt. <i>Earth and Planetary Science Letters</i> , 2012, 327-328, 61-67.	1.8	29
108	High-uranium matrix effect in zircon and its implications for SHRIMP U-Pb age determinations. <i>Chemical Geology</i> , 2012, 306-307, 78-91.	1.4	189

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109	The role of protostellar jets in star formation and the evolution of the early solar system: Astrophysical and meteoritical perspectives. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1922-1940.	0.7	6
110	CAN GALACTIC CHEMICAL EVOLUTION EXPLAIN THE OXYGEN ISOTOPIC VARIATIONS IN THE SOLAR SYSTEM?. <i>Astrophysical Journal</i> , 2012, 759, 51.	1.6	7
111	Where does India end and Eurasia begin?. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	3
112	Deconvolving episodic age spectra from zircons of the Ladakh Batholith, northwest Indian Himalaya. <i>Chemical Geology</i> , 2011, 289, 179-196.	1.4	64
113	Simultaneous resetting of the muscovite $K\text{-Ar}$ and monazite $U\text{-Pb}$ geochronometers: a story of fluids. <i>Terra Nova</i> , 2011, 23, 390-398.	0.9	45
114	Petrology and geochemistry of dunites, chromitites and mineral inclusions from the Gaositai Alaskan-type complex, North China Craton: Implications for mantle source characteristics. <i>Lithos</i> , 2011, 127, 165-175.	0.6	30
115	Arc-continent collision and orogenesis in western Tasmanides: Insights from reactivated basement structures and formation of an ocean-continent transform boundary off western Tasmania. <i>Gondwana Research</i> , 2011, 19, 608-627.	3.0	64
116	Autochthonous inheritance of zircon through Cretaceous partial melting of Carboniferous plutons: the Arthur River Complex, Fiordland, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 401-421.	1.2	20
117	Oxygen Isotopic Compositions of Asteroidal Materials Returned from Itokawa by the Hayabusa Mission. <i>Science</i> , 2011, 333, 1116-1119.	6.0	161
118	Three-Dimensional Structure of Hayabusa Samples: Origin and Evolution of Itokawa Regolith. <i>Science</i> , 2011, 333, 1125-1128.	6.0	249
119	Irradiation History of Itokawa Regolith Material Deduced from Noble Gases in the Hayabusa Samples. <i>Science</i> , 2011, 333, 1128-1131.	6.0	128
120	Neutron Activation Analysis of a Particle Returned from Asteroid Itokawa. <i>Science</i> , 2011, 333, 1119-1121.	6.0	55
121	Field and Geochemical Constraints on Mafic-Felsic Interactions, and Processes in High-level Arc Magma Chambers: an Example from the Halfmoon Pluton, New Zealand. <i>Journal of Petrology</i> , 2010, 51, 1477-1505.	1.1	68
122	$U\text{-Pb}$ chronology of the Solar System's oldest solids with variable $^{238}\text{U}/^{235}\text{U}$ . <i>Earth and Planetary Science Letters</i> , 2010, 300, 343-350.	1.8	270
123	U-Th-Pb zircon and monazite geochronology of Western Province gneissic rocks, central-south Westland, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2010, 53, 241-269.	1.0	18
124	Microinclusions in monocrystalline octahedral diamonds and coated diamonds from Diavik, Slave Craton: Clues to diamond genesis. <i>Lithos</i> , 2009, 112, 724-735.	0.6	31
125	Geochemistry and $Os\text{-Nd}\text{-Sr}$ isotopes of the Gaositai Alaskan-type ultramafic complex from the northern North China craton: implications for mantle-crust interaction. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 683-702.	1.2	65
126	Mass-spectrometric mining of Hadean zircons by automated SHRIMP multi-collector and single-collector $U/Pb$ zircon age dating: The first 100,000 grains. <i>International Journal of Mass Spectrometry</i> , 2009, 286, 53-63.	0.7	158



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127	Origin of Lower Cretaceous (Nubian) sandstones of North-East Africa and Arabia from detrital zircon U-Pb SHRIMP dating. <i>Sedimentology</i> , 2009, 56, 2010-2023.	1.6	29
128	Isotopic records in CM hibonites: Implications for timescales of mixing of isotope reservoirs in the solar nebula. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5051-5079.	1.6	113
129	IRAS 22036+5306: an Al <sub>2</sub> O <sub>3</sub> oxide-dominated post-AGB star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 2290-2296.	1.6	9
130	Determining high precision, in situ, oxygen isotope ratios with a SHRIMP II: Analyses of MPI-DING silicate-glass reference materials and zircon from contrasting granites. <i>Chemical Geology</i> , 2008, 257, 114-128.	1.4	254
131	Development of SHRIMP. <i>Australian Journal of Earth Sciences</i> , 2008, 55, 937-954.	0.4	76
132	Oxygen in the Sun. <i>Reviews in Mineralogy and Geochemistry</i> , 2008, 68, 73-92.	2.2	10
133	6. Oxygen in the Sun. , 2008, , 73-92.		3
134	Allanite micro-geochronology: A LA-ICP-MS and SHRIMP U-Th-Pb study. <i>Chemical Geology</i> , 2007, 245, 162-182.	1.4	122
135	Loch Burn Formation, Fiordland, New Zealand: SHRIMP U-Pb ages, geochemistry and provenance. <i>New Zealand Journal of Geology, and Geophysics</i> , 2007, 50, 167-180.	1.0	18
136	SHRIMP ion probe zircon geochronology and Sr and Nd isotope geochemistry for southern Longwood Range and Bluff Peninsula intrusive rocks of Southland, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2006, 49, 291-303.	1.0	25
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