

# Victoria C Smith

## List of Publications by Year in descending order

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103  
papers

4,985  
citations

61687

45  
h-index

107981

68  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstructing the middle to late Pleistocene explosive eruption histories of Popocatepetl, Iztaccihuatl and Tláloc-Telapán volcanoes in Central México. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 421, 107413.	0.8	4
2	Intermittent non-axial dipolar-field dominance of twin Laschamp excursions. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	2
3	The long and intertwined record of humans and the Campi Flegrei volcano (Italy). <i>Bulletin of Volcanology</i> , 2022, 84, 1.	1.1	9
4	How reliable is $\mu$ XRF core scanning at detecting tephra layers in sedimentary records? A case study using the Lake Suigetsu archive (central Japan). <i>Journal of Quaternary Science</i> , 2022, 37, 1189-1206.	1.1	1
5	A revised AMS and tephra chronology for the Late Middle to Early Upper Paleolithic occupations of Ortvale Klde, Republic of Georgia. <i>Journal of Human Evolution</i> , 2021, 151, 102908.	1.3	10
6	Distal ash fall from the mid-Holocene eruption of Mount Hudson (H2) discovered in the Falkland Islands: New possibilities for Southern Hemisphere archive synchronisation. <i>Quaternary Science Reviews</i> , 2021, 266, 107074.	1.4	1
7	Chrono-stratigraphy of the youngest (last 1500 years) rhyolitic eruptions of Lipari (Aeolian Islands, Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 420, 107397.	0.8	9
8	Rapid pre-eruptive mush reorganisation and atmospheric volatile emissions from the 12.9 ka Laacher See eruption, determined using apatite. <i>Earth and Planetary Science Letters</i> , 2021, 576, 117198.	1.8	14
9	Refining the eruptive history of Ulleungdo and Changbaishan volcanoes (East Asia) over the last 86 kyrs using distal sedimentary records. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 389, 106669.	0.8	20
10	The magnitude and impact of the 431 CE Tierra Blanca Joven eruption of Ilopango, El Salvador. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26061-26068.	3.3	30
11	Frequent activity on Vulcano (Italy) spanning the last 80 ky: New insights from the chemo-stratigraphy of the Brown Tuffs. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 406, 107079.	0.8	3
12	Microanalysis of Cl, Br and I in apatite, scapolite and silicate glass by LA-ICP-MS. <i>Chemical Geology</i> , 2020, 557, 119854.	1.4	10
13	Evidence for a large-magnitude Holocene eruption of Mount Rittmann (Antarctica): A volcanological reconstruction using the marine tephra record. <i>Quaternary Science Reviews</i> , 2020, 250, 106629.	1.4	12
14	Constraints on the Timing of Explosive Volcanism at Aso and Aira Calderas (Japan) Between 50 and 30 ka: New Insights From the Lake Suigetsu Sedimentary Record (SG14 Core). <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008874.	1.0	8
15	Chemical zoning and open system processes in the Laacher See magmatic system. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	1.2	4
16	Refining the Late Quaternary tephrochronology for southern South America using the Laguna Potrok Aike sedimentary record. <i>Quaternary Science Reviews</i> , 2019, 218, 137-156.	1.4	15
17	Evidence for a large-magnitude eruption from Campi Flegrei caldera (Italy) at 29 ka. <i>Geology</i> , 2019, 47, 595-599.	2.0	56
18	The Ilopango Tierra Blanca Joven (TBJ) eruption, El Salvador: Volcano-stratigraphy and physical characterization of the major Holocene event of Central America. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 377, 81-102.	0.8	17

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19	Geochemical characterisation of the Late Quaternary widespread Japanese tephrostratigraphic markers and correlations to the Lake Suigetsu sedimentary archive (SG06 core). <i>Quaternary Geochronology</i> , 2019, 52, 103-131.	0.6	42
20	Integrating the Holocene tephrostratigraphy for East Asia using a high-resolution cryptotephra study from Lake Suigetsu (SG14 core), central Japan. <i>Quaternary Science Reviews</i> , 2018, 183, 36-58.	1.4	56
21	Tracking Volatile Behaviour in Sub-volcanic Plumbing Systems Using Apatite and Glass: Insights into Pre-eruptive Processes at Campi Flegrei, Italy. <i>Journal of Petrology</i> , 2018, 59, 2463-2492.	1.1	55
22	The marine isotope stage 1â€“5 cryptotephra record of Tenaghi Philippon, Greece: Towards a detailed tephrostratigraphic framework for the Eastern Mediterranean region. <i>Quaternary Science Reviews</i> , 2018, 186, 236-262.	1.4	60
23	Dating human occupation and adaptation in the southern European last glacial refuge: The chronostratigraphy of Grotta del Romito (Italy). <i>Quaternary Science Reviews</i> , 2018, 184, 5-25.	1.4	8
24	Constraints on the frequency and dispersal of explosive eruptions at Sambe and Daisen volcanoes (South-West Japan Arc) from the distal Lake Suigetsu record (SG06 core). <i>Earth-Science Reviews</i> , 2018, 185, 1004-1028.	4.0	41
25	Glass compositions and tempo of post-17 ka eruptions from the Afar Triangle recorded in sediments from lakes Ashenge and Hayk, Ethiopia. <i>Quaternary Geochronology</i> , 2017, 37, 15-31.	0.6	7
26	Magma reservoir dynamics at Toba caldera, Indonesia, recorded by oxygen isotope zoning in quartz. <i>Scientific Reports</i> , 2017, 7, 40624.	1.6	36
27	Glass geochemistry of pyroclastic deposits from the Aeolian Islands in the last 50 ka: A proximal database for tephrochronology. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 336, 81-107.	0.8	43
28	Advancing tephrochronology as a global dating tool: Applications in volcanology, archaeology, and palaeoclimatic research. <i>Quaternary Geochronology</i> , 2017, 40, 1-7.	0.6	46
29	High-precision <sup>40</sup> Ar/ <sup>39</sup> Ar dating of pleistocene tuffs and temporal anchoring of the Matuyama-Brunhes boundary. <i>Quaternary Geochronology</i> , 2017, 39, 1-23.	0.6	90
30	â€“Radical interpretationsâ€™ preclude the use of climatic wiggle matching for resolution of event timings at the highest levels of attainable precision. <i>Quaternary Geochronology</i> , 2017, 42, 60-62.	0.6	0
31	Reprint of Glass compositions and tempo of post-17 ka eruptions from the Afar Triangle recorded in sediments from lakes Ashenge and Hayk, Ethiopia. <i>Quaternary Geochronology</i> , 2017, 40, 92-108.	0.6	0
32	Recurrent explosive eruptions from a high-risk Main Ethiopian Rift volcano throughout the Holocene. <i>Geology</i> , 2017, 45, 1127-1130.	2.0	24
33	Magura Cave, Bulgaria: A multidisciplinary study of Late Pleistocene human palaeoenvironment in the Balkans. <i>Quaternary International</i> , 2016, 415, 86-108.	0.7	18
34	The magmatic and eruptive response of arc volcanoes to deglaciation: Insights from southern Chile. <i>Geology</i> , 2016, 44, 251-254.	2.0	51
35	Identification of the Changbaishan â€“Millenniumâ€™ (B-Tm) eruption deposit in the Lake Suigetsu (SG06) sedimentary archive, Japan: Synchronisation of hemispheric-wide palaeoclimate archives. <i>Quaternary Science Reviews</i> , 2016, 150, 301-307.	1.4	47
36	Identification of a Kulshan caldera correlative tephra in the Palouse loess of Washington State, northwest USA. <i>Quaternary Research</i> , 2016, 86, 232-241.	1.0	1

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37	Compositional variability in mafic arc magmas over short spatial and temporal scales: Evidence for the signature of mantle reactive melt channels. <i>Earth and Planetary Science Letters</i> , 2016, 456, 66-77.	1.8	29
38	Tephra dispersal during the Campanian Ignimbrite (Italy) eruption: implications for ultra-distal ash transport during the large caldera-forming eruption. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	1.1	46
39	Late-stage volatile saturation as a potential trigger for explosive volcanic eruptions. <i>Nature Geoscience</i> , 2016, 9, 249-254.	5.4	110
40	From the Mediterranean to the Libyan Sahara. Chemical analyses of Garamantian glass. <i>Journal of Archaeological Science: Reports</i> , 2016, 7, 633-639.	0.2	6
41	MEXIDRILL, THE BASIN OF MEXICO DRILLING PROJECT: UPDATES AND PROGRESS. , 2016, , .		0
42	Improved age estimates for key Late Quaternary European tephra horizons in the RESET lattice. <i>Quaternary Science Reviews</i> , 2015, 118, 18-32.	1.4	106
43	New constraints on electron-beam induced halogen migration in apatite. <i>American Mineralogist</i> , 2015, 100, 281-293.	0.9	79
44	The major and trace element glass compositions of the productive Mediterranean volcanic sources: tools for correlating distal tephra layers in and around Europe. <i>Quaternary Science Reviews</i> , 2015, 118, 48-66.	1.4	108
45	The frequency and magnitude of post-glacial explosive eruptions at Volc�n Mocho-Choshuenco, southern Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 299, 103-129.	0.8	58
46	The RESET tephra database and associated analytical tools. <i>Quaternary Science Reviews</i> , 2015, 118, 33-47.	1.4	52
47	A new contribution to the Late Quaternary tephrostratigraphy of the Mediterranean: Aegean Sea core LC21. <i>Quaternary Science Reviews</i> , 2015, 117, 96-112.	1.4	64
48	The RESET project: constructing a European tephra lattice for refined synchronisation of environmental and archaeological events during the last c. 100�ka. <i>Quaternary Science Reviews</i> , 2015, 118, 1-17.	1.4	60
49	The role of cryptotephra in refining the chronology of Late Pleistocene human evolution and cultural change in North Africa. <i>Quaternary Science Reviews</i> , 2015, 118, 151-169.	1.4	33
50	The Late Quaternary tephrostratigraphy of annually laminated sediments from Meerfelder Maar, Germany. <i>Quaternary Science Reviews</i> , 2015, 122, 192-206.	1.4	56
51	Revisiting the Y-3 tephrostratigraphic marker: a new diagnostic glass geochemistry, age estimate, and details on its climatostratigraphical context. <i>Quaternary Science Reviews</i> , 2015, 118, 105-121.	1.4	59
52	Tephra correlations and climatic events between the MIS6/5 transition and the beginning of MIS3 in Theopetra Cave, central Greece. <i>Quaternary Science Reviews</i> , 2015, 118, 170-181.	1.4	41
53	The magnitude and impact of the Youngest Toba Tuff super-eruption. <i>Frontiers in Earth Science</i> , 2014, 2, .	0.8	68
54	Discovery of Youngest Toba Tuff localities in the Sagileru Valley, south India, in association with Palaeolithic industries. <i>Quaternary Science Reviews</i> , 2014, 105, 239-243.	1.4	14

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55	A high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ age for the Young Toba Tuff and dating of ultra-distal tephra: Forcing of Quaternary climate and implications for hominin occupation of India. <i>Quaternary Geochronology</i> , 2014, 21, 90-103.	0.6	102
56	Cryptotephra as a dating and correlation tool in archaeology. <i>Journal of Archaeological Science</i> , 2014, 42, 42-50.	1.2	93
57	The detailed tephrostratigraphy of a core from the south-east Black Sea spanning the last $\sim 1460$ ka. <i>Journal of Quaternary Science</i> , 2014, 29, 675-690.	1.1	35
58	Age and geochemistry of tephra layers from Ischia, Italy: constraints from proximal-distal correlations with Lago Grande di Monticchio. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 287, 22-39.	0.8	55
59	Early Levallois technology and the Lower to Middle Paleolithic transition in the Southern Caucasus. <i>Science</i> , 2014, 345, 1609-1613.	6.0	171
60	Volcanic markers for dating the onset of the Anthropocene. <i>Geological Society Special Publication</i> , 2014, 395, 283-299.	0.8	6
61	High level triggers for explosive mafic volcanism: Albano Maar, Italy. <i>Lithos</i> , 2014, 190-191, 137-153.	0.6	24
62	Multiple interpretive errors? Indeed. Reply to: Climate effects of the 74 ka Toba super-eruption: Multiple interpretive errors in a high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ age for the Young Toba Tuff and dating of ultra-distal tephra by Michael Haslam. <i>Quaternary Geochronology</i> , 2013, 18, 173-175.	0.6	8
63	Using amphibole crystals to reconstruct magma storage temperatures and pressures for the post-caldera collapse volcanism at Okataina volcano. <i>Lithos</i> , 2013, 156-159, 159-170.	0.6	56
64	Element variations in rhyolitic magma resulting from gas transport. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 436-451.	1.6	40
65	The origin of ferro-manganese oxide coated pumice from the Central Indian Ocean Basin. <i>Quaternary International</i> , 2013, 313-314, 230-239.	0.7	8
66	Identification and correlation of visible tephras in the Lake Suigetsu SG06 sedimentary archive, Japan: chronostratigraphic markers for synchronising of east Asian/west Pacific palaeoclimatic records across the last 150 ka. <i>Quaternary Science Reviews</i> , 2013, 67, 121-137.	1.4	199
67	Late glacial explosive activity on Mount Etna: Implications for proximal-distal tephra correlations and the synchronisation of Mediterranean archives. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 265, 9-26.	0.8	45
68	The multiple chronological techniques applied to the Lake Suigetsu SG06 sediment core, central Japan. <i>Boreas</i> , 2013, 42, 259-266.	1.2	35
69	First Partial Skeleton of a 1.34-Million-Year-Old <i>Paranthropus boisei</i> from Bed II, Olduvai Gorge, Tanzania. <i>PLoS ONE</i> , 2013, 8, e80347.	1.1	140
70	Holocene record of large explosive eruptions from Chait�n and Michinmahuida Volcanoes, Chile. <i>Andean Geology</i> , 2013, 40, .	0.2	9
71	Volcanic ash layers illuminate the resilience of Neanderthals and early modern humans to natural hazards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13532-13537.	3.3	180
72	Ultra-distal tephra deposits from super-eruptions: Examples from Toba, Indonesia and Taupo Volcanic Zone, New Zealand. <i>Quaternary International</i> , 2012, 258, 54-79.	0.7	79

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73	A southern Indian Middle Palaeolithic occupation surface sealed by the 74ka Toba eruption: Further evidence from Jwalapuram Locality 22. <i>Quaternary International</i> , 2012, 258, 148-164.	0.7	36
74	Was the 12.1ka Icelandic Vedde Ash one of a kind?. <i>Quaternary Science Reviews</i> , 2012, 33, 87-99.	1.4	89
75	The Upper and Lower Nisyros Pumices: Revisions to the Mediterranean tephrostratigraphic record based on micron-beam glass geochemistry. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 243-244, 69-80.	0.8	49
76	Petrogenesis of the S��lheimar ignimbrite (Katla, Iceland): Implications for tephrostratigraphy. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 86, 318-337.	1.6	18
77	Geochemistry of the Phlegraean Fields (Italy) proximal sources for major Mediterranean tephra: Implications for the dispersal of Plinian and co-ignimbritic components of explosive eruptions. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 93, 102-128.	1.6	110
78	Quantifying volcanic ash dispersal and impact of the Campanian Ignimbrite super-eruption. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	125
79	Timescales of Magma Recharge and Reactivation of Large Silicic Systems from Ti Diffusion in Quartz. <i>Journal of Petrology</i> , 2012, 53, 1385-1416.	1.1	79
80	Marine-continental tephra correlations: Volcanic glass geochemistry from the Marsili Basin and the Aeolian Islands, Southern Tyrrhenian Sea, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 229-230, 74-94.	0.8	66
81	Quartz zoning and the pre-eruptive evolution of the ~340-ka Whakamaru magma systems, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2012, 163, 87-107.	1.2	56
82	Geochemical fingerprinting of the widespread Toba tephra using biotite compositions. <i>Quaternary International</i> , 2011, 246, 97-104.	0.7	89
83	Cryptotephra from the 74ka Toba super-eruption in the Billa Surgam caves, southern India. <i>Quaternary Science Reviews</i> , 2011, 30, 1819-1824.	1.4	16
84	Toward establishing precise <sup>40</sup> Ar/ <sup>39</sup> Ar chronologies for Late Pleistocene palaeoclimate archives: an example from the Lake Suigetsu (Japan) sedimentary record. <i>Quaternary Science Reviews</i> , 2011, 30, 2845-2850.	1.4	42
85	Tephrostratigraphy and glass compositions of post-15kyr Campi Flegrei eruptions: implications for eruption history and chronostratigraphic markers. <i>Quaternary Science Reviews</i> , 2011, 30, 3638-3660.	1.4	224
86	Insights into silicic melt generation using plagioclase, quartz and melt inclusions from the caldera-forming Rotoiti eruption, Taupo volcanic zone, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 951-971.	1.2	42
87	A Temporal Record of Magma Accumulation and Evolution beneath Nevado de Toluca, Mexico, Preserved in Plagioclase Phenocrysts. <i>Journal of Petrology</i> , 2009, 50, 405-426.	1.1	52
88	Millennial timescale resolution of rhyolite magma recharge at Tarawera volcano: insights from quartz chemistry and melt inclusions. <i>Contributions To Mineralogy and Petrology</i> , 2008, 156, 397-411.	1.2	71
89	Silicic recharge of multiple rhyolite magmas by basaltic intrusion during the 22.6ka Okareka Eruption Episode, New Zealand. <i>Lithos</i> , 2008, 103, 527-549.	0.6	71
90	Compositional heterogeneity in tephra deposits resulting from the eruption of multiple magma bodies: Implications for tephrochronology. <i>Quaternary International</i> , 2008, 178, 44-53.	0.7	54

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91	Using quartz and plagioclase to gain insight into chemical and thermal evolution of the Rotoiti magma prior to the caldera-forming eruption $\pm 55$ ka, New Zealand. IOP Conference Series: Earth and Environmental Science, 2008, 3, 012016.	0.2	0
92	Multiple rhyolite magmas and basalt injection in the 17.7 ka Rerewhakaaitu eruption episode from Tarawera volcanic complex, New Zealand. Journal of Volcanology and Geothermal Research, 2007, 164, 1-26.	0.8	75
93	Geochemistry and magmatic properties of eruption episodes from Haroharo linear vent zone, Okataina Volcanic Centre, New Zealand during the last 10 kyr. Bulletin of Volcanology, 2006, 69, 57-88.	1.1	47
94	Magma mingling in the $\sim 450$ ka Rotoiti eruption from Okataina Volcanic Centre: implications for geochemical diversity and chronology of large volume rhyolites. Journal of Volcanology and Geothermal Research, 2005, 139, 295-313.	0.8	55
95	High temperature rhyodacites of the 36 ka Hauparu pyroclastic eruption, Okataina Volcanic Centre, New Zealand: Change in a silicic magmatic system following caldera collapse. Journal of Volcanology and Geothermal Research, 2005, 147, 357-376.	0.8	31
96	Trends in rhyolite geochemistry, mineralogy, and magma storage during the last 50 kyr at Okataina and Taupo volcanic centres, Taupo Volcanic Zone, New Zealand. Journal of Volcanology and Geothermal Research, 2005, 148, 372-406.	0.8	144
97	Proximal stratigraphy and event sequence of the c. 5600 cal. yr BP Whakatane rhyolite eruption episode from Haroharo volcano, Okataina Volcanic Centre, New Zealand. New Zealand Journal of Geology, and Geophysics, 2005, 48, 471-490.	1.0	20
98	Reactivation of a rhyolitic magma body by new rhyolitic intrusion before the 15.8 ka Rotorua eruptive episode: implications for magma storage in the Okataina Volcanic Centre, New Zealand. Journal of the Geological Society, 2004, 161, 757-772.	0.9	61
99	Biotite composition as a tool for the identification of Quaternary tephra beds. Quaternary Research, 2003, 59, 262-270.	1.0	45
100	Re-identification of c. 15 700 cal yr BP tephra bed at Kaipo Bog, eastern North Island: Implications for dispersal of Rotorua and Puketarata tephra beds. New Zealand Journal of Geology, and Geophysics, 2003, 46, 591-596.	1.0	27
101	Geochemical characteristics of the widespread Tahuna Tephra. New Zealand Journal of Geology, and Geophysics, 2002, 45, 103-107.	1.0	13
102	Tephrostratigraphy and geochemical fingerprinting of the Mangaone Subgroup tephra beds, Okataina Volcanic Centre, New Zealand. New Zealand Journal of Geology, and Geophysics, 2002, 45, 207-219.	1.0	36
103	Scientific drilling of Lake Chalco, Basin of Mexico (MexiDrill). Scientific Drilling, 0, 26, 1-15.	1.0	17