Victoria C Smith

List of Publications by Year
in descending order

103	4,985	53794 45	95266 68
papers	citations	h-index	g-index

106	106	106	3759
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tephrostratigraphy and glass compositions of post-15Âkyr Campi Flegrei eruptions: implications for eruption history and chronostratigraphic markers. Quaternary Science Reviews, 2011, 30, 3638-3660.	3.0	224
2	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 150Âka. Quaternary Science Reviews, 2013, 67, 121-137.	3.0	199
3	Volcanic ash layers illuminate the resilience of Neanderthals and early modern humans to natural hazards. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13532-13537.	7.1	180
4	Early Levallois technology and the Lower to Middle Paleolithic transition in the Southern Caucasus. Science, 2014, 345, 1609-1613.	12.6	171
5	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.	2.1	144
6	First Partial Skeleton of a 1.34-Million-Year-Old Paranthropus boisei from Bed II, Olduvai Gorge, Tanzania. PLoS ONE, 2013, 8, e80347.	2.5	140
7	Quantifying volcanic ash dispersal and impact of the Campanian Ignimbrite superâ€eruption. Geophysical Research Letters, 2012, 39, .	4.0	125
8	Geochemistry of the Phlegraean Fields (Italy) proximal sources for major Mediterranean tephras: Implications for the dispersal of Plinian and co-ignimbritic components of explosive eruptions. Geochimica Et Cosmochimica Acta, 2012, 93, 102-128.	3.9	110
9	Late-stage volatile saturation as a potential trigger for explosive volcanic eruptions. Nature Geoscience, 2016, 9, 249-254.	12.9	110
10	The major and trace element glass compositions of the productive Mediterranean volcanic sources: tools for correlating distal tephra layers in and around Europe. Quaternary Science Reviews, 2015, 118, 48-66.	3.0	108
11	Improved age estimates for key Late Quaternary European tephra horizons in the RESET lattice. Quaternary Science Reviews, 2015, 118, 18-32.	3.0	106
12	A high-precision 40Ar/39Ar age for the Young Toba Tuff and dating of ultra-distal tephra: Forcing of Quaternary climate and implications for hominin occupation of India. Quaternary Geochronology, 2014, 21, 90-103.	1.4	102
13	Cryptotephra as a dating and correlation tool in archaeology. Journal of Archaeological Science, 2014, 42, 42-50.	2.4	93
14	High-precision 40Ar/39Ar dating of pleistocene tuffs and temporal anchoring of the Matuyama-Brunhes boundary. Quaternary Geochronology, 2017, 39, 1-23.	1.4	90
15	Geochemical fingerprinting of the widespread Toba tephra using biotite compositions. Quaternary International, 2011, 246, 97-104.	1.5	89
16	Was the 12.1ka Icelandic Vedde Ash one of a kind?. Quaternary Science Reviews, 2012, 33, 87-99.	3.0	89
17	Ultra-distal tephra deposits from super-eruptions: Examples from Toba, Indonesia and Taupo Volcanic Zone, New Zealand. Quaternary International, 2012, 258, 54-79.	1.5	79
18	Timescales of Magma Recharge and Reactivation of Large Silicic Systems from Ti Diffusion in Quartz. Journal of Petrology, 2012, 53, 1385-1416.	2.8	79

#	Article	IF	Citations
19	New constraints on electron-beam induced halogen migration in apatite. American Mineralogist, 2015, 100, 281-293.	1.9	79
20	Multiple rhyolite magmas and basalt injection in the 17.7Âka Rerewhakaaitu eruption episode from Tarawera volcanic complex, New Zealand. Journal of Volcanology and Geothermal Research, 2007, 164, 1-26.	2.1	75
21	Millennial timescale resolution of rhyolite magma recharge at Tarawera volcano: insights from quartz chemistry and melt inclusions. Contributions To Mineralogy and Petrology, 2008, 156, 397-411.	3.1	71
22	Silicic recharge of multiple rhyolite magmas by basaltic intrusion during the 22.6Âka Okareka Eruption Episode, New Zealand. Lithos, 2008, 103, 527-549.	1.4	71
23	The magnitude and impact of the Youngest Toba Tuff super-eruption. Frontiers in Earth Science, 2014, 2, .	1.8	68
24	Marine-continental tephra correlations: Volcanic glass geochemistry from the Marsili Basin and the Aeolian Islands, Southern Tyrrhenian Sea, Italy. Journal of Volcanology and Geothermal Research, 2012, 229-230, 74-94.	2.1	66
25	A new contribution to the Late Quaternary tephrostratigraphy of the Mediterranean: Aegean Sea core LC21. Quaternary Science Reviews, 2015, 117, 96-112.	3.0	64
26	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.	2.1	61
27	The RESET project: constructing a European tephra lattice for refined synchronisation of environmental and archaeological events during the last c. 100Âka. Quaternary Science Reviews, 2015, 118, 1-17.	3.0	60
28	The marine isotope stage 1â€“5 cryptotephra record of Tenaghi Philippon, Greece: Towards a detailed tephrostratigraphic framework for the Eastern Mediterranean region. Quaternary Science Reviews, 2018, 186, 236-262.	3.0	60
29	Revisiting the Y-3 tephrostratigraphic marker: a new diagnostic glass geochemistry, age estimate, and details on its climatostratigraphical context. Quaternary Science Reviews, 2015, 118, 105-121.	3.0	59
30	The frequency and magnitude of post-glacial explosive eruptions at VolcÃ¡n Mocho-Choshuenco, southern Chile. Journal of Volcanology and Geothermal Research, 2015, 299, 103-129.	2.1	58
31	Quartz zoning and the pre-eruptive evolution of the ~340-ka Whakamaru magma systems, New Zealand. Contributions To Mineralogy and Petrology, 2012, 163, 87-107.	3.1	56
32	Using amphibole crystals to reconstruct magma storage temperatures and pressures for the post-caldera collapse volcanism at Okataina volcano. Lithos, 2013, 156-159, 159-170.	1.4	56
33	The Late Quaternary tephrostratigraphy of annually laminated sediments from Meerfelder Maar, Germany. Quaternary Science Reviews, 2015, 122, 192-206.	3.0	56
34	Integrating the Holocene tephrostratigraphy for East Asia using a high-resolution cryptotephra study from Lake Suigetsu (SG14 core), central Japan. Quaternary Science Reviews, 2018, 183, 36-58.	3.0	56
35	Evidence for a large-magnitude eruption from Campi Flegrei caldera (Italy) at 29 ka. Geology, 2019, 47, 595-599.	4.4	56
36	Magma mingling in the â^¼450 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.	2.1	55

#	Article	IF	Citations
37	Age and geochemistry of tephra layers from Ischia, Italy: constraints from proximal-distal correlations with Lago Grande di Monticchio. Journal of Volcanology and Geothermal Research, 2014, 287, 22-39.	2.1	55
38	Tracking Volatile Behaviour in Sub-volcanic Plumbing Systems Using Apatite and Glass: Insights into Pre-eruptive Processes at Campi Flegrei, Italy. Journal of Petrology, 2018, 59, 2463-2492.	2.8	55
39	Compositional heterogeneity in tephra deposits resulting from the eruption of multiple magma bodies: Implications for tephrochronology. Quaternary International, 2008, 178, 44-53.	1.5	54
40	A Temporal Record of Magma Accumulation and Evolution beneath Nevado de Toluca, Mexico, Preserved in Plagioclase Phenocrysts. Journal of Petrology, 2009, 50, 405-426.	2.8	52
41	The RESET tephra database and associated analytical tools. Quaternary Science Reviews, 2015, 118, 33-47.	3.0	52
42	The magmatic and eruptive response of arc volcanoes to deglaciation: Insights from southern Chile. Geology, 2016, 44, 251-254.	4.4	51
43	The Upper and Lower Nisyros Pumices: Revisions to the Mediterranean tephrostratigraphic record based on micron-beam glass geochemistry. Journal of Volcanology and Geothermal Research, 2012, 243-244, 69-80.	2.1	49
44	Geochemistry and magmatic properties of eruption episodes from Haroharo linear vent zone, Okataina Volcanic Centre, New Zealand during the last 10Âkyr. Bulletin of Volcanology, 2006, 69, 57-88.	3.0	47
45	Identification of the Changbaishan â€˜Millenniumâ€™ (B-Tm) eruption deposit in the Lake Suigetsu (SG06) sedimentary archive, Japan: Synchronisation of hemispheric-wide palaeoclimate archives. Quaternary Science Reviews, 2016, 150, 301-307.	3.0	47
46	Tephra dispersal during the Campanian Ignimbrite (Italy) eruption: implications for ultra-distal ash transport during the large caldera-forming eruption. Bulletin of Volcanology, 2016, 78, 1.	3.0	46
47	Advancing tephrochronology as a global dating tool: Applications in volcanology, archaeology, and palaeoclimatic research. Quaternary Geochronology, 2017, 40, 1-7.	1.4	46
48	Biotite composition as a tool for the identification of Quaternary tephra beds. Quaternary Research, 2003, 59, 262-270.	1.7	45
49	Late glacial explosive activity on Mount Etna: Implications for proximalâ€“distal tephra correlations and the synchronisation of Mediterranean archives. Journal of Volcanology and Geothermal Research, 2013, 265, 9-26.	2.1	45
50	Glass geochemistry of pyroclastic deposits from the Aeolian Islands in the last 50 ka: A proximal database for tephrochronology. Journal of Volcanology and Geothermal Research, 2017, 336, 81-107.	2.1	43
51	Insights into silicic melt generation using plagioclase, quartz and melt inclusions from the caldera-forming Rotoiti eruption, Taupo volcanic zone, New Zealand. Contributions To Mineralogy and Petrology, 2010, 160, 951-971.	3.1	42
52	Toward establishing precise 40Ar/39Ar chronologies for Late Pleistocene palaeoclimate archives: an example from the Lake Suigetsu (Japan) sedimentary record. Quaternary Science Reviews, 2011, 30, 2845-2850.	3.0	42
53	Geochemical characterisation of the Late Quaternary widespread Japanese tephrostratigraphic markers and correlations to the Lake Suigetsu sedimentary archive (SG06 core). Quaternary Geochronology, 2019, 52, 103-131.	1.4	42
54	Tephra correlations and climatic events between the MIS6/5 transition and the beginning of MIS3 in Theopetra Cave, central Greece. Quaternary Science Reviews, 2015, 118, 170-181.	3.0	41

#	Article	IF	Citations
55	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). Earth-Science Reviews, 2018, 185, 1004-1028.	9.1	41
56	Element variations in rhyolitic magma resulting from gas transport. Geochimica Et Cosmochimica Acta, 2013, 121, 436-451.	3.9	40
57	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.	1.8	36
58	A southern Indian Middle Palaeolithic occupation surface sealed by the 74Âka Toba eruption: Further evidence from Jwalapuram Locality 22. Quaternary International, 2012, 258, 148-164.	1.5	36
59	Magma reservoir dynamics at Toba caldera, Indonesia, recorded by oxygen isotope zoning in quartz. Scientific Reports, 2017, 7, 40624.	3.3	36
60	The multiple chronological techniques applied to the <scp>L</scp>ake <scp>S</scp>uigetsu <scp>SG</scp>06 sediment core, central <scp>J</scp>apan. Boreas, 2013, 42, 259-266.	2.4	35
61	The detailed tephrostratigraphy of a core from the southâ€east Black Sea spanning the last âˆ¼60â€‰ka. Journal of Quaternary Science, 2014, 29, 675-690.	2.1	35
62	The role of cryptotephra in refining the chronology of Late Pleistocene human evolution and cultural change in North Africa. Quaternary Science Reviews, 2015, 118, 151-169.	3.0	33
63	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.	2.1	31
64	The magnitude and impact of the 431 CE Tierra Blanca Joven eruption of Ilopango, El Salvador. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26061-26068.	7.1	30
65	Compositional variability in mafic arc magmas over short spatial and temporal scales: Evidence for the signature of mantle reactive melt channels. Earth and Planetary Science Letters, 2016, 456, 66-77.	4.4	29
66	Reâ€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.	1.8	27
67	High level triggers for explosive mafic volcanism: Albano Maar, Italy. Lithos, 2014, 190-191, 137-153.	1.4	24
68	Recurrent explosive eruptions from a high-risk Main Ethiopian Rift volcano throughout the Holocene. Geology, 2017, 45, 1127-1130.	4.4	24
69	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.	1.8	20
70	Refining the eruptive history of Ulleungdo and Changbaishan volcanoes (East Asia) over the last 86 kyrs using distal sedimentary records. Journal of Volcanology and Geothermal Research, 2020, 389, 106669.	2.1	20
71	Petrogenesis of the SÃ³lheimar ignimbrite (Katla, Iceland): Implications for tephrostratigraphy. Geochimica Et Cosmochimica Acta, 2012, 86, 318-337.	3.9	18
72	Magura Cave, Bulgaria: A multidisciplinary study of Late Pleistocene human palaeoenvironment in the Balkans. Quaternary International, 2016, 415, 86-108.	1.5	18

#	Article	IF	Citations
73	The Ilopango Tierra Blanca Joven (TBJ) eruption, El Salvador: Volcano-stratigraphy and physical characterization of the major Holocene event of Central America. Journal of Volcanology and Geothermal Research, 2019, 377, 81-102.	2.1	17
74	Scientific drilling of Lake Chalco, Basin of Mexico (MexiDrill). Scientific Drilling, 0, 26, 1-15.	0.6	17
75	Cryptotephra from the 74ÂkaÂBP Toba super-eruption in the Billa Surgam caves, southern India. Quaternary Science Reviews, 2011, 30, 1819-1824.	3.0	16
76	Refining the Late Quaternary tephrochronology for southern South America using the Laguna Potrok Aike sedimentary record. Quaternary Science Reviews, 2019, 218, 137-156.	3.0	15
77	Discovery of Youngest Toba Tuff localities in the Sagileru Valley, south India, in association with Palaeolithic industries. Quaternary Science Reviews, 2014, 105, 239-243.	3.0	14
78	Rapid pre-eruptive mush reorganisation and atmospheric volatile emissions from the 12.9 ka Laacher See eruption, determined using apatite. Earth and Planetary Science Letters, 2021, 576, 117198.	4.4	14
79	Geochemical characteristics of the widespread Tahuna Tephra. New Zealand Journal of Geology, and Geophysics, 2002, 45, 103-107.	1.8	13
80	Evidence for a large-magnitude Holocene eruption of Mount Rittmann (Antarctica): A volcanological reconstruction using the marine tephra record. Quaternary Science Reviews, 2020, 250, 106629.	3.0	12
81	Microanalysis of Cl, Br and I in apatite, scapolite and silicate glass by LA-ICP-MS. Chemical Geology, 2020, 557, 119854.	3.3	10
82	A revised AMS and tephra chronology for the Late Middle to Early Upper Paleolithic occupations of Ortvale Klde, Republic of Georgia. Journal of Human Evolution, 2021, 151, 102908.	2.6	10
83	Chrono-stratigraphy of the youngest (last 1500Âyears) rhyolitic eruptions of Lipari (Aeolian Islands,) Tj ETQq1 1 0.784314 rgBT /Overlo Geothermal Research, 2021, 420, 107397.	2.1	9
84	Holocene record of large explosive eruptions from ChaitÃ©n and Michinmahuida Volcanoes, Chile. Andean Geology, 2013, 40, .	0.5	9
85	The long and intertwined record of humans and the Campi Flegrei volcano (Italy). Bulletin of Volcanology, 2022, 84, 1.	3.0	9
86	Multiple interpretive errors? Indeed. Reply to: Climate effects of the 74Âka Toba super-eruption: Multiple interpretive errors in â€˜A high-precision 40Ar/39Ar age for the Young Toba Tuff and dating of ultra-distal tephraâ€™ by Michael Haslam. Quaternary Geochronology, 2013, 18, 173-175.	1.4	8
87	The origin of ferro-manganese oxide coated pumice from the Central Indian Ocean Basin. Quaternary International, 2013, 313-314, 230-239.	1.5	8
88	Dating human occupation and adaptation in the southern European last glacial refuge: The chronostratigraphy of Grotta del Romito (Italy). Quaternary Science Reviews, 2018, 184, 5-25.	3.0	8
89	Constraints on the Timing of Explosive Volcanism at Aso and Aira Calderas (Japan) Between 50 and 30Âka: New Insights From the Lake Suigetsu Sedimentary Record (SG14 Core). Geochemistry, Geophysics, Geosystems, 2020, 21, e2019GC008874.	2.5	8
90	Glass compositions and tempo of post-17 ka eruptions from the Afar Triangle recorded in sediments from lakes Ashenge and Hayk, Ethiopia. Quaternary Geochronology, 2017, 37, 15-31.	1.4	7

#	Article	IF	Citations
91	Volcanic markers for dating the onset of the Anthropocene. Geological Society Special Publication, 2014, 395, 283-299.	1.3	6
92	From the Mediterranean to the Libyan Sahara. Chemical analyses of Garamantian glass. Journal of Archaeological Science: Reports, 2016, 7, 633-639.	0.5	6
93	Chemical zoning and open system processes in the Laacher See magmatic system. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	4
94	Reconstructing the middle to late Pleistocene explosive eruption histories of PopocatÃ©petl, IztaccÃhuatl and TlÃ¡loc-TelapÃ³n volcanoes in Central MÃ©xico. Journal of Volcanology and Geothermal Research, 2022, 421, 107413.	2.1	4
95	Frequent activity on Vulcano (Italy) spanning the last 80 ky: New insights from the chemo-stratigraphy of the Brown Tuffs. Journal of Volcanology and Geothermal Research, 2020, 406, 107079.	2.1	3
96	Intermittent non-axial dipolar-field dominance of twin Laschamp excursions. Communications Earth & Environment, 2022, 3, .	6.8	2
97	Identification of a Kulshan caldera correlative tephra in the Palouse loess of Washington State, northwest USA. Quaternary Research, 2016, 86, 232-241.	1.7	1
98	Distal ash fall from the mid-Holocene eruption of Mount Hudson (H2) discovered in the Falkland Islands: New possibilities for Southern Hemisphere archive synchronisation. Quaternary Science Reviews, 2021, 266, 107074.	3.0	1
99	How reliable is ÂµXRF core scanning at detecting tephra layers in sedimentary records? A case study using the Lake Suigetsu archive (central Japan). Journal of Quaternary Science, 2022, 37, 1189-1206.	2.1	1
100	Using quartz and plagioclase to gain insight into chemical and thermal evolution of the Rotoiti magma prior to the caldera-forming eruption Â±55 ka, New Zealand. IOP Conference Series: Earth and Environmental Science, 2008, 3, 012016.	0.3	0
101	â€˜Radical interpretationsâ€™ preclude the use of climatic wiggle matching for resolution of event timings at the highest levels of attainable precision. Quaternary Geochronology, 2017, 42, 60-62.	1.4	0
102	Reprint of Glass compositions and tempo of post-17 ka eruptions from the Afar Triangle recorded in sediments from lakes Ashenge and Hayk, Ethiopia. Quaternary Geochronology, 2017, 40, 92-108.	1.4	0
103	MEXIDRILL, THE BASIN OF MEXICO DRILLING PROJECT: UPDATES AND PROGRESS. , 2016, , .		0