Urs Kloetzli

List of Publications by Citations

89 papers	2,767 citations	27 h-index	50 g-index
99 ext. papers	3,074 ext. citations	2.7 avg, IF	4.98 L-index

#	Paper	IF	Citations
89	Post-Collisional Potassic and Ultrapotassic Magmatism in SW Tibet: Geochemical and Sr□Nd□Pb□ Isotopic Constraints for Mantle Source Characteristics and Petrogenesis. *Journal of Petrology*, **1999**, 40, 1399-1424	3.9	519
88	Structural geology, single zircon ages and fluid inclusion studies of the Meatiq metamorphic core complex: Implications for Neoproterozoic tectonics in the Eastern Desert of Egypt. *Precambrian Research*, **2001**, 110, 357-383	3.9	170
87	The early Palaeozoic magmatic event in the Northwest Himalaya, India: source, tectonic setting and age of emplacement. *Geological Magazine*, **2001**, 138, 237-251	2	157
86	New Pb-Pb Single Zircon Age Constraints on the Timing of Neoproterozoic Glaciation and Continental Break-up in Namibia. *Journal of Geology*, **1996**, 104, 459-469	2	149
85	Proterozoic crustal evolution in the NW Himalaya (India) as recorded by circa 1.80 Ga mafic and 1.84 Ga granitic magmatism. *Precambrian Research*, **2000**, 103, 191-206	3.9	123
84	Accuracy of Laser Ablation U-Pb Zircon Dating: Results from a Test Using Five Different Reference Zircons. *Geostandards and Geoanalytical Research*, **2009**, 33, 5-15	3.6	95
83	A late Neoproterozoic magmatic core complex in the Eastern Desert of Egypt: emplacement of granitoids in a wrench-tectonic setting. *Precambrian Research*, **2002**, 118, 59-82	3.9	95
82	The Wadi Mubarak belt, Eastern Desert of Egypt: a Neoproterozoic conjugate shear system in the Arabian?Nubian Shield. *Precambrian Research*, **2005**, 136, 27-50	3.9	88
81	U□Pb and 40Ar□39Ar geochronology of the ophiolites and granitoids from the Tauride belt: Implications for the evolution of the Inner Tauride suture. *Journal of Geodynamics*, **2013**, 65, 22-37	2.2	72
80	I and S-type plutonism on Serifos (W-Cyclades, Greece). *Tectonophysics*, **2009**, 473, 69-83	3.1	58
79	Evolution of Large Silicic Magma Systems: New U-Pb Zircon Data on the NW Permian Athesian Volcanic Group (Southern Alps, Italy). *Journal of Geology*, **2008**, 116, 480-498	2	57
78	The role of crustal fertility in the generation of large silicic magmatic systems triggered by intrusion of mantle magma in the deep crust. *Contributions To Mineralogy and Petrology*, **2011**, 162, 691-707	3.5	55
77	The temporal evolution of the active margin along the Southeast Anatolian Orogenic Belt (SE Turkey): Evidence from U□Pb, Ar□Ar and fission track chronology. *Gondwana Research*, **2016**, 33, 190-208	5.1	45
76	U□Pb and Sm□Nd geochronology of the K□□da□ (Hatay, Turkey) ophiolite: implications for the timing and duration of suprasubduction zone type oceanic crust formation in the southern Neotethys. *Geological Magazine*, **2013**, 150, 283-299	2	43
75	Tectonometamorphic evolution of the Rhodope orogen. *Tectonics*, **2010**, 29, n/a-n/a	4.3	38
74	Improved abundance sensitivity in MC-ICP-MS for determination of 236U/238U isotope ratios in the 10□7 to 10□8 range. *Journal of Analytical Atomic Spectrometry*, **2006**, 21, 1427-1430	3.7	37
73	The Northern Giudicarie and the Meran-Mauls fault (Alps, Northern Italy) in the light of new paleomagnetic and geochronological data from boudinaged Eo-/Oligocene tonalites. *International Journal of Earth Sciences*, **2011**, 100, 1827-1850	2.2	34

72	Zircon U/Pb and Pb/Pb geochronology of the Rastenberg granodiorite, South Bohemian Massif, Austria. *Mineralogy and Petrology*, **1996**, 58, 197-214	1.6	33
71	Age and duration of intra-oceanic arc volcanism built on a suprasubduction zone type oceanic crust in southern Neotethys, SE Anatolia. *Geoscience Frontiers*, **2013**, 4, 399-408	6	30
70	Rb□Sr, Sm□Nd, and U□Pb geochronology of the rocks within the Khlong Marui shear zone, southern Thailand. *Journal of Asian Earth Sciences*, **2012**, 56, 263-275	2.8	30
69	Single Zircon Evaporation Thermal Ionisation Mass Spectrometry: Method and Procedures□ *Analyst, The*, **1997**, 122, 1239-1248	5	29
68	Fluid-controlled crustal metasomatism within a high-pressure subducted m□lange (Mt. Hochwart, Eastern Italian Alps). *Lithos*, **2007**, 94, 148-167	2.9	29
67	Petrography, geochemistry, and geochronology of granitoid rocks in the Neoproterozoic-Paleozoic Lufilian□Zambezi belt, Zambia: Implications for tectonic setting and regional correlation. *Journal of African Earth Sciences*, **2004**, 40, 219-244	2.2	29
66	Cadomian Lower-Crustal Contributions to Variscan Granite Petrogenesis (South Bohemian Pluton, Austria): Constraints from Zircon Typology and Geochronology, Whole-Rock, and Feldspar Pb□Sr Isotope Systematics. *Journal of Petrology*, **2001**, 42, 1621-1642	3.9	29
65	Two possible source regions for central Greenland last glacial dust. *Geophysical Research Letters*, **2015**, 42, 10,399	4.9	28
64	Structural position of high-pressure felsic to intermediate granulites from NE Moldanubian domain (Bohemian Massif). *Journal of the Geological Society*, **2010**, 167, 329-345	2.7	27
63	Timing and rate of granulite facies metamorphism and cooling from multi-mineral chronology on migmatitic gneisses, Sierras de La Huerta and Valle F□til, NW Argentina. *Lithos*, **2010**, 114, 229-252	2.9	27
62	Zircon typology, geochronology and whole rock Sr□Nd isotope systematics of the Mecsek Mountain granitoids in the Tisia Terrane (Hungary). *Mineralogy and Petrology*, **2004**, 81, 113-134	1.6	27
61	Towards identifying the origin of metamorphic components in Austrian loess: insights from detrital rutile chemistry, thermometry and U□Pb geochronology. *Quaternary Science Reviews*, **2013**, 75, 132-142	3.9	26
60	U□Pb and Sm□Nd geochronology of the ophiolites from the SE Turkey: implications for the Neotethyan evolution. *Geodinamica Acta*, **2012**, 25, 146-161	2	26
59	Magma hybridization in the Western Tatra Mts. granitoid intrusion (S-Poland, Western Carpathians). *Mineralogy and Petrology*, **2011**, 103, 19-36	1.6	24
58	Li-bearing tourmalines in Variscan granitic pegmatites from the Moldanubian nappes, Lower Austria. *European Journal of Mineralogy*, **2012**, 24, 695-715	2.2	24
57	Understanding the pre-Variscan and Variscan basement components of the central Tauern Window, Eastern Alps (Austria): constraints from single zircon U-Pb geochronology. *International Journal of Earth Sciences*, **2005**, 94, 336-353	2.2	24
56	Early Cambrian oceanic plagiogranite in the Silvretta Nappe, eastern Alps: geochemical, zircon U-Pb and Rb-Sr data from garnet-hornblende-plagioclase gneisses. *Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie*, **1996**, 85, 822-831		23
55	Time constraints on deformation of the Ajjaj branch of one of the largest Proterozoic shear zones on Earth: The Najd Fault System. *Gondwana Research*, **2016**, 34, 346-362	5.1	22

54	Planar microstructures in zircon from paleo-seismic zones. *American Mineralogist*, **2015**, 100, 1834-1847	2.9	21
53	Crustal age domains and metamorphic reworking of the deep crust in Northern-Central Tanzania: a U/Pb zircon and monazite age study. *Mineralogy and Petrology*, **2013**, 107, 679-707	1.6	20
52	Petrology, mineral chemistry and Sr□Nd□Pb isotopic compositions of granitoids in the central Menderes metamorphic core complex: Constraints on the evolution of Aegean lithosphere slab. *Lithos*, **2013**, 180-181, 74-91	2.9	20
51	U□Pb zircon geochronology, Sr□Nd geochemistry, petrogenesis and tectonic setting of Mahoor granitoid rocks (Lut Block, Eastern Iran). *Journal of Asian Earth Sciences*, **2015**, 111, 192-205	2.8	19
50	Termination of the Southern Irumide Belt in Tanzania: Zircon U/Pb geochronology. *Precambrian Research*, **2014**, 255, 144-162	3.9	19
49	U□Pb ages and Hf isotopic composition of zircons in Austrian last glacial loess: constraints on heavy mineral sources and sediment transport pathways. *International Journal of Earth Sciences*, **2015**, 104, 1365-1385	2.2	18
48	U/Pb and Pb/Pb zircon ages from granitoid rocks of Wallagga area: constraints on magmatic and tectonic evolution of Precambrian rocks of western Ethiopia. *Mineralogy and Petrology*, **2001**, 71, 251-271	1.6	18
47	Episodic construction of the Tatra granitoid intrusion (Central Western Carpathians, Poland/Slovakia): consequences for the geodynamics of Variscan collision and Rheic Ocean closure. *International Journal of Earth Sciences*, **2016**, 105, 1153-1174	2.2	18
46	Pre-Alpine evolution of the Seckau Complex (Austroalpine basement/Eastern Alps): Constraints from in-situ LA-ICP-MS UPb zircon geochronology. *Lithos*, **2018**, 296-299, 412-430	2.9	18
45	U-Pb zircon age of the youngest magmatic activity in the High Tatra granites (Central Western Carpathians). *Geochronometria*, **2013**, 40, 134-144	1	17
44	Evidence of Eocene high-temperature/high-pressure metamorphism of ophiolitic rocks and granitoid intrusion related to Neotethyan subduction processes (Do□n□hir area, SE Anatolia). *Geological Society Special Publication*, **2013**, 372, 249-272	1.7	17
43	Age, origin and geodynamic significance of a polymetamorphic felsic intrusion in the □tztal Crystalline Basement, Tirol, Austria. *Mineralogy and Petrology*, **1996**, 58, 171-196	1.6	16
42	Optimization and application of ICPMS with dynamic reaction cell for precise determination of 44Ca/40Ca isotope ratios. *Analytical Chemistry*, **2007**, 79, 7753-60	7.8	13
41	On the provenance of mid-Cretaceous turbidites of the Pindos zone (Greece): implications from heavy mineral distribution, detrital zircon ages and chrome spinel chemistry. *Geological Magazine*, **2006**, 143, 329-342	2	13
40	New age constraints on the Lan Sang gneiss complex, Thailand, and the timing of activity of the Mae Ping shear zone from in-situ and depth-profile zircon and monazite U-Th-Pb geochronology. *Journal of Asian Earth Sciences*, **2019**, 181, 103886	2.8	12
39	Deformation history and U□Pb zircon geochronology of the high grade metamorphic rocks within the Klaeng fault zone, eastern Thailand. *Journal of Asian Earth Sciences*, **2013**, 77, 224-233	2.8	12
38	The effect of crystal-plastic deformation on isotope and trace element distribution in zircon: Combined BSE, CL, EBSD, FEG-EMPA and NanoSIMS study. *Chemical Geology*, **2017**, 450, 183-198	4.2	11
37	Geochronology and petrogenesis of granitoid rocks from the Goryczkowa Unit, Tatra Mountains (Central Western Carpathians). *Geologica Carpathica*, **2013**, 64, 419-435	1.4	11

36	Pre-Variscan evolution of the Western Tatra Mountains: new insights from U-Pb zircon dating. *Mineralogy and Petrology*, **2011**, 102, 99-115	1.6	11
35	The evolution of Eastern Tornquist-Paleoasian Ocean and subsequent continental collisions: A case study from the Western Tatra Mountains, Central Western Carpathians (Poland). *Gondwana Research*, **2017**, 48, 134-152	5.1	10
34	Petrogenesis of subvolcanic rocks from the Khunik prospecting area, south of Birjand, Iran: Geochemical, Sr□Nd isotopic and U□Pb zircon constraints. *Journal of Asian Earth Sciences*, **2016**, 115, 170-182	2.8	9
33	The P□□(fluid) evolution of meta-anorthosites in the Eastern Granulites, Tanzania. *Journal of Metamorphic Geology*, **2011**, 29, 537-560	4.4	9
32	On the geometric relationship between deformation microstructures in zircon and the kinematic framework of the shear zone. *Lithos*, **2016**, 262, 192-212	2.9	8
31	The actinide beamline at VERA. *Nuclear Instruments & Methods in Physics Research B*, **2019**, 458, 82-89	1.2	7
30	Late Triassic acidic volcanic clasts in different Neotethyan sedimentary m□anges: paleogeographic and geodynamic implications. *International Journal of Earth Sciences*, **2018**, 107, 2975-2998	2.2	7
29	NanoSIMS study of seismically deformed zircon: Evidence of Y, Yb, Ce, and P redistribution and resetting of radiogenic Pb. *American Mineralogist*, **2017**, 102, 1311-1327	2.9	7
28	Tracing proto-Rheic - Qaidam Ocean vestiges into the Western Tatra Mountains and implications for the Palaeozoic palaeogeography of Central Europe. *Gondwana Research*, **2021**, 91, 188-204	5.1	7
27	Variscan post-collisional cooling and uplift of the Tatra Mountains crystalline block constrained by integrated zircon, apatite and titanite LA-(MC)-ICP-MS U-Pb dating and rare earth element analyses. *Chemical Geology*, **2018**, 484, 191-209	4.2	6
26	U□Pb geochronology of detrital zircons from a contact metamorphic Brixen Quartzphyllite (South-Tyrol, Italy): evidence for a complex pre-Variscan evolution of the Southalpine basement. *Swiss Journal of Geosciences*, **2010**, 103, 273-281	2.1	6
25	Cadomian protolith ages of exotic mega blocks from Bugaj and Andrych□w (Western outer Carpathians, Poland) and their palaeogeographic significance. *Geochronometria*, **2019**, 46, 25-36	1	6
24	Petrography and Geochemistry of Precambrian Basement Straddling the Cameroon-Chad Border: The Touboro Baïbokoum Area. *International Journal of Geosciences*, **2014**, 05, 418-431	0.4	6
23	Lead oxide nanospheres in seismically deformed zircon grains. *Geochimica Et Cosmochimica Acta*, **2019**, 262, 20-30	5.5	5
22	Phyllonite Formation and Alteration of Gneisses in Shear Zones (Gleinalmkristallin, Eastern Alps/Austria). *Mineralogy and Petrology*, **1992**, 45, 195-216	1.6	5
21	Zircon geochronology of the □□kk□ quartz porphyry□Balaton Highland, Transdanubian Central Range, Hungary. *Acta Geologica Hungarica*, **2004**, 47, 139-149		5
20	Sr-Nd-Hf Isotopic Analysis of . *Geochemistry, Geophysics, Geosystems*, **2018**, 19, 60-72	3.6	5
19	Non-destructive Determination of 87Sr/86Sr Isotope Ratios in Early Upper Paleolithic Human Teeth from the Mlade□Caves □Preliminary Results **2006**, 505-514		4

18	Complicated secondary textures in zircon record evolution of the host granitic rocks: Studies from Western Tauern Window and Ötztal-Stubai Crystalline Complex (Eastern Alps, Western Austria). *Lithos*, **2017**, 284-285, 381-400	2.9	3
17	Petrological investigation of Late Cretaceous magmatism in Kaboodan area, NE Iran: Evidence for an active continental arc at Sabzevar zone. *Lithos*, **2019**, 348-349, 105183	2.9	3
16	Dating multiple generation of zircons from granites and gneiss from Thailand: Implication for the crustal evolution of the Sibumasu terrane. *Journal of Asian Earth Sciences*, **2020**, 190, 104148	2.8	3
15	Climate variability and paleoceanography during the Late Cretaceous: Evidence from palynology, geochemistry and stable isotopes analyses from the southern Tethys. *Cretaceous Research*, **2021**, 126, 104831	1.8	3
14	Precipitation of dolomite from seawater on a Carnian coastal plain (Dolomites, northern Italy): evidence from carbonate petrography and Sr isotopes. *Solid Earth*, **2019**, 10, 1243-1267	3.3	2
13	Finite lattice distortion patterns in plastically deformed zircon grains **2014**,		2
12	Inherited or not inherited: Complexities in dating the atypical Šold Chopok granite (Nízke Tatry Mountains, Slovakia). *Gondwana Research*, **2020**, 87, 138-161	5.1	2
11	Mechanisms of strain accommodation in plastically-deformed zircon under simple shear deformation conditions during amphibolite-facies metamorphism. *Journal of Structural Geology*, **2018**, 107, 12-24	3	2
10	Interpretation of zircon coronae textures from metapelitic granulites of the Ivrea Verbano Zone, northern Italy: two-stage decomposition of FeTi oxides. *Solid Earth*, **2017**, 8, 789-804	3.3	1
9	U-Pb and Pb-Pb zircon dating of the older orthogneiss suite in the Silvretta nappe, eastern Alps: Cadomian magmatism in the upper Austro-Alpine realm. *Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie*, **1995**, 84, 457		1
8	Geochronology of granitoids from Psunj and Papuk Mts., Croatia. *Geochronometria*, **2018**, 45, 198-210	1	1
7	Rapid decomposition of geological samples by ammonium bifluoride (NH_4HF_2) for combined Hf-Nd-Sr isotope analyses. *Rapid Communications in Mass Spectrometry*, **2021**, 35, e9081	2.2	1
6	Age and origin of fluorapatite-rich dyke from Baranec Mt. (Tatra Mts., Western Carpathians): a key to understanding of the post-orogenic processes and element mobility. *Geologica Carpathica*, **2016**, 67, 417-432	1.4	1
5	Quantitative finite strain analysis of the quartz mylonites within the Three Pagodas shear zone, western Thailand. *Austrian Journal of Earth Sciences*, **2018**, 111, 171-179	0.9	0
4	U-Pb geochronology, petrogenesis and tectonomagmatic evolution of uppermost Neoproterozoic-lower Cambrian intrusive rocks in Kaboodan area, NE of Iran. *International Geology Review*, **2020**, 62, 1971-1987	2.3	0
3	Cenozoic evolution of the Yangtze River: Constraints from detrital zircon U Pb ages. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2021**, 579, 110586	2.9	0
2	Petrography, geochemistry and geochronology of granite hosted rhyodacites associated with a disseminated pyrite mineralization (Arnolz, Southern Bohemian Massif, Austria). *Mineralogy and Petrology*, **2017**, 111, 219-236	1.6	
1	Petrochronological Evidence for a Three-Stage Magmatic Evolution of the Youngest Nepheline Syenites from the Ditrău Alkaline Massif, Romania. *Minerals (Basel, Switzerland)*, **2022**, 12, 657	2.4	