Urs Kloetzli

List of Publications by Year in descending order

93 papers	3,403 citations	172207 29 h-index	149479 56 g-index
99 all docs	99 docs citations	99 times ranked	2852 citing authors

#	Article	IF	Citations
1	Post-Collisional Potassic and Ultrapotassic Magmatism in SW Tibet: Geochemical and Sr-Nd-Pb-O Isotopic Constraints for Mantle Source Characteristics and Petrogenesis. Journal of Petrology, 1999, 40, 1399-1424.	1.1	601
2	The early Palaeozoic magmatic event in the Northwest Himalaya, India: source, tectonic setting and age of emplacement. Geological Magazine, 2001, 138, 237-251.	0.9	196
3	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.	1.2	193
4	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.	0.7	169
5	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.	1.2	150
6	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.	1.2	113
7	The Wadi Mubarak belt, Eastern Desert of Egypt: a Neoproterozoic conjugate shear system in the Arabian?Nubian Shield. Precambrian Research, 2005, 136, 27-50.	1.2	106
8	Accuracy of Laser Ablation Uâ€Pb Zircon Dating: Results from a Test Using Five Different Reference Zircons. Geostandards and Geoanalytical Research, 2009, 33, 5-15.	1.7	105
9	Uâ€“Pb and 40Arâ€“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.	0.7	87
10	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.	0.7	72
11	The temporal evolution of the active margin along the Southeast Anatolian Orogenic Belt (SE Turkey): Evidence from Uâ€“Pb, Arâ€“Ar and fission track chronology. Gondwana Research, 2016, 33, 190-208.	3.0	64
12	I and S-type plutonism on Serifos (W-Cyclades, Greece). Tectonophysics, 2009, 473, 69-83.	0.9	63
13	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.	1.2	60
14	Uâ€“Pb and Smâ€“Nd geochronology of the KÄ±zÄ±ldaÄŸ (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.	0.9	50
15	Tectonometamorphic evolution of the Rhodope orogen. Tectonics, 2010, 29, n/a-n/a.	1.3	47
16	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.	0.9	47
17	Improved abundance sensitivity in MC-ICP-MS for determination of236U/238U isotope ratios in the 10â^'7to 10â^'8range. Journal of Analytical Atomic Spectrometry, 2006, 21, 1427-1430.	1.6	42
18	Petrography, geochemistry, and geochronology of granitoid rocks in the Neoproterozoic-Paleozoic Lufilianâ€“Zambezi belt, Zambia: Implications for tectonic setting and regional correlation. Journal of African Earth Sciences, 2004, 40, 219-244.	0.9	40

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19	Two possible source regions for central Greenland last glacial dust. Geophysical Research Letters, 2015, 42, 10,399.	1.5	39
20	Zircon U/Pb and Pb/Pb geochronology of the Rastenberg granodiorite, South Bohemian Massif, Austria. Mineralogy and Petrology, 1996, 58, 197-214.	0.4	38
21	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.	4.3	38
22	Rbâ€“Sr, Smâ€“Nd, and Uâ€“Pb geochronology of the rocks within the Khlong Marui shear zone, southern Thailand. Journal of Asian Earth Sciences, 2012, 56, 263-275.	1.0	37
23	Cadomian Lower-Crustal Contributions to Variscan Granite Petrogenesis (South Bohemian Pluton,) Tj ETQq1 1 0.784314 rgBT /Overlo Isotope Systematics. Journal of Petrology, 2001, 42, 1621-1642.	1.1	35
24	Fluid-controlled crustal metasomatism within a high-pressure subducted mÃ©lange (Mt. Hochwart,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.6	34
25	Uâ€“Pb and Smâ€“Nd geochronology of the ophiolites from the SE Turkey: implications for the Neotethyan evolution. Geodinamica Acta, 2012, 25, 146-161.	2.2	33
26	Single Zircon Evaporation Thermal Ionisation Mass Spectrometry: Method and Proceduresâ€. Analyst, The, 1997, 122, 1239-1248.	1.7	32
27	Structural position of high-pressure felsic to intermediate granulites from NE Moldanubian domain (Bohemian Massif). Journal of the Geological Society, 2010, 167, 329-345.	0.9	32
28	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.	0.4	30
29	Timing and rate of granulite facies metamorphism and cooling from multi-mineral chronology on migmatitic gneisses, Sierras de La Huerta and Valle FÃ©rtil, NW Argentina. Lithos, 2010, 114, 229-252.	0.6	30
30	Li-bearing tourmalines in Variscan granitic pegmatites from the Moldanubian nappes, Lower Austria. European Journal of Mineralogy, 2012, 24, 695-715.	0.4	30
31	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.	0.9	29
32	Magma hybridization in the Western Tatra Mts. granitoid intrusion (S-Poland, Western Carpathians). Mineralogy and Petrology, 2011, 103, 19-36.	0.4	29
33	TowardsÂidentifying the origin of metamorphic components in Austrian loess: insights from detrital rutile chemistry, thermometry and Uâ€“Pb geochronology. Quaternary Science Reviews, 2013, 75, 132-142.	1.4	29
34	Planar microstructures in zircon from paleo-seismic zones. American Mineralogist, 2015, 100, 1834-1847.	0.9	28
35	Pre-Alpine evolution of the Seckau Complex (Austroalpine basement/Eastern Alps): Constraints from in-situ LA-ICP-MS U Pb zircon geochronology. Lithos, 2018, 296-299, 412-430.	0.6	28
36	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.	3.0	27

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37	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.	1.3	26
38	Petrology, mineral chemistry and Srâ€“Ndâ€“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.	0.6	26
39	Termination of the Southern Irumide Belt in Tanzania: Zircon U/Pb geochronology. Precambrian Research, 2014, 255, 144-162.	1.2	25
40	Episodic construction of the Tatra granitoid intrusion (Central Western Carpathians,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (Pola International Journal of Earth Sciences, 2016, 105, 1153-1174.	0.9	25
41	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.	0.4	24
42	Uâ€“Pb zircon geochronology, Srâ€“Nd geochemistry, petrogenesis and tectonic setting of Mahoor granitoid rocks (Lut Block, Eastern Iran). Journal of Asian Earth Sciences, 2015, 111, 192-205.	1.0	24
43	The actinide beamline at VERA. Nuclear Instruments & Methods in Physics Research B, 2019, 458, 82-89.	0.6	23
44	U-Pb zircon age of the youngest magmatic activity in the High Tatra granites (Central Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	0.2	22
45	Evidence of Eocene high-temperature/high-pressure metamorphism of ophiolitic rocks and granitoid intrusion related to Neotethyan subduction processes (DoÄŸanÅŸehir area, SE Anatolia). Geological Society Special Publication, 2013, 372, 249-272.	0.8	22
46	Uâ€“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.	0.9	21
47	Age, origin and geodynamic significance of a polymetamorphic felsic intrusion in the ï¿½tztal Crystalline Basement, Tirol, Austria. Mineralogy and Petrology, 1996, 58, 171-196.	0.4	20
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.	0.4	20
49	Deformation history and Uâ€“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.	1.0	20
50	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.	1.4	20
51	Optimization and Application of ICPMS with Dynamic Reaction Cell for Precise Determination of 44Ca/40Ca Isotope Ratios. Analytical Chemistry, 2007, 79, 7753-7760.	3.2	17
52	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.	1.0	17
53	Geochronology and petrogenesis of granitoid rocks from the Goryczkowa Unit, Tatra Mountains (Central Western Carpathians). Geologica Carpathica, 2013, 64, 419-435.	0.2	15
54	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.	3.0	15

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55	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.	0.9	13
56	Pre-Variscan evolution of the Western Tatra Mountains: new insights from U-Pb zircon dating. Mineralogy and Petrology, 2011, 102, 99-115.	0.4	13
57	Petrogenesis of subvolcanic rocks from the Khunik prospecting area, south of Birjand, Iran: Geochemical, Srâ€“Nd isotopic and Uâ€“Pb zircon constraints. Journal of Asian Earth Sciences, 2016, 115, 170-182.	1.0	13
58	Late Triassic acidic volcanic clasts in different Neotethyan sedimentary mÃ©langes: paleogeographic and geodynamic implications. International Journal of Earth Sciences, 2018, 107, 2975-2998.	0.9	13
59	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.	3.0	12
60	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.	0.6	12
61	On the geometric relationship between deformation microstructures in zircon and the kinematic framework of the shear zone. Lithos, 2016, 262, 192-212.	0.6	11
62	The P-T-X(fluid) evolution of meta-anorthosites in the Eastern Granulites, Tanzania. Journal of Metamorphic Geology, 2011, 29, 537-560.	1.6	10
63	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.	1.4	10
64	Lead oxide nanospheres in seismically deformed zircon grains. Geochimica Et Cosmochimica Acta, 2019, 262, 20-30.	1.6	9
65	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.	0.9	9
66	Srâ€Ndâ€Hf Isotopic Analysis of <10 mg Dust Samples: Implications for Ice Core Dust Source Fingerprinting. Geochemistry, Geophysics, Geosystems, 2018, 19, 60-72.	1.0	8
67	Petrography and Geochemistry of Precambrian Basement Straddling the Cameroon-Chad Border: The Touboro Baïbokoum Area. International Journal of Geosciences, 2014, 05, 418-431.	0.2	8
68	Phyllonite Formation and Alteration of Gneisses in Shear Zones (Gleinalmkristallin, Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 To	0.4	7
69	Uâ€“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.	0.5	7
70	Rapid decomposition of geological samples by ammonium bifluoride (NH₄HF₂) for combined Hfâ€Ndâ€Sr isotope analyses. Rapid Communications in Mass Spectrometry, 2021, 35, e9081.	0.7	7
71	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.	1.0	6
72	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.	1.2	6

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73	Cenozoic evolution of the Yangtze River: Constraints from detrital zircon U Pb ages. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 579, 110586.	1.0	6
74	Cadomian protolith ages of exotic mega blocks from Bugaj and AndrychÃ³w (Western outer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.2	6
75	Zircon geochronology of the â€œKÃ©kkÃºt quartz porphyryâ€, Balaton Highland, Transdanubian Central Range, Hungary. Acta Geologica Hungarica, 2004, 47, 139-149.	0.2	6
76	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.	1.0	5
77	Non-destructive Determination of 87Sr/86Sr Isotope Ratios in Early Upper Paleolithic Human Teeth from the MladeÄ•Caves â€" Preliminary Results. , 2006, , 505-514.		5
78	Complicated secondary textures in zircon record evolution of the host granitic rocks: Studies from Western Tauern Window and Ã–tztal-Stubai Crystalline Complex (Eastern Alps, Western Austria). Lithos, 2017, 284-285, 381-400.	0.6	4
79	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.	0.6	4
80	The Pan-African Biotite-Muscovite Granite and Amphibole-Biotite Granite of Doua (Central Cameroon): Zircon Features, LA-MC-ICP-MS U-Pb Dating and Implication on Their Tectonic Setting. Journal of Geosciences and Geomatics, 2017, 5, 119-129.	0.1	4
81	Inherited or not inherited: Complexities in dating the atypical â€˜coldâ€™ Chopok granite (NÃzke Tatry) Tj ETQq1 1 0.784314 rgBT /O	3.0	3
82	Quantitative finite strain analysis of high-grade metamorphic rocks within the Mae Ping shear zone, western Thailand. Austrian Journal of Earth Sciences, 2016, 109, .	0.9	3
83	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.	1.3	2
84	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.	0.2	2
85	Interpretation of zircon coronae textures from metapelitic granulites of the Ivreaâ€"Verbano Zone, northern Italy: two-stage decomposition of Feâ€"Ti oxides. Solid Earth, 2017, 8, 789-804.	1.2	2
86	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.	1.1	2
87	Geochronology of granitoids from Psunj and Papuk Mts., Croatia. Geochronometria, 2018, 45, 198-210.	0.2	2
88	The Kellerjoch Gneiss (Tyrol, Eastern Alps): An Ordovician pluton with A-type affinity in the crystalline basement nappes north of the Tauern Window. Austrian Journal of Earth Sciences, 2016, 109, .	0.9	2
89	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	2
90	Early Cambrian oceanic plagiogranite in the Silvretta Nappe, eastern Alps: geochemical, zircon UÂ–Pb and RbÂ–Sr data from garnetÂ–hornblendeÂ–plagioclase gneisses. Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie, 1996, 85, 822-831.	1.3	1

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91	Petrochronological Evidence for a Three-Stage Magmatic Evolution of the Youngest Nepheline Syenites from the DitrÄƒu Alkaline Massif, Romania. Minerals (Basel, Switzerland), 2022, 12, 657.	0.8	1
92	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.	0.4	0
93	Syn-collisional pan-African granite in the northern part Birnin Gwari schist belt in NW Nigeria. International Journal of Advanced Geosciences, 2020, 8, 197.	0.1	0