Siegfried Siegesmund

List of Publications by Year
in descending order

65 papers	2,614 citations	126907 33 h-index	189892 50 g-index
65 all docs	65 docs citations	65 times ranked	1589 citing authors

#	Article	IF	Citations
1	The RÃo de la Plata Craton: a review of units, boundaries, ages and isotopic signature. International Journal of Earth Sciences, 2011, 100, 201-220.	1.8	172
2	Geochronological constraints on the evolution of the southern Dom Feliciano Belt (Uruguay). Journal of the Geological Society, 2009, 166, 1075-1084.	2.1	145
3	Post-collisional transition from calc-alkaline to alkaline magmatism during transcurrent deformation in the southernmost Dom Feliciano Belt (Brazilianoâ€“Pan-African, Uruguay). Lithos, 2007, 98, 141-159.	1.4	134
4	Contemporaneous assembly of Western Gondwana and final Rodinia break-up: Implications for the supercontinent cycle. Geoscience Frontiers, 2017, 8, 1431-1445.	8.4	116
5	Neoproterozoic to Early Palaeozoic events in the Sierra de San Luis: implications for the Famatinian geodynamics in the Eastern Sierras Pampeanas (Argentina). Journal of the Geological Society, 2006, 163, 965-982.	2.1	85
6	Natural stone, weathering phenomena, conservation strategies and case studies: introduction. Geological Society Special Publication, 2002, 205, 1-7.	1.3	76
7	The Nico PÃ©rez Terrane (Uruguay): From Archean crustal growth and connections with the Congo Craton to late Neoproterozoic accretion to the RÃo de la Plata Craton. Precambrian Research, 2016, 280, 147-160.	2.7	72
8	Why allanite may swindle about its true age. Contributions To Mineralogy and Petrology, 2003, 146, 297-307.	3.1	71
9	Time constraints on the tectonic evolution of the Eastern Sierras Pampeanas (Central Argentina). International Journal of Earth Sciences, 2010, 99, 1199-1226.	1.8	71
10	Geochronology of shear zones â€“ A review. Earth-Science Reviews, 2018, 185, 665-683.	9.1	71
11	Provenance of the late Proterozoic to early Cambrian metaclastic sediments of the Sierra de San Luis (Eastern Sierras Pampeanas) and Cordillera Oriental, Argentina. Journal of South American Earth Sciences, 2009, 28, 239-262.	1.4	68
12	The transpressional connection between Dom Feliciano and Kaoko Belts at 580â€“550ÂMa. International Journal of Earth Sciences, 2011, 100, 379-390.	1.8	68
13	Timing of deformation in the SarandÃ-del YÃ-Shear Zone, Uruguay: Implications for the amalgamation of western Gondwana during the Neoproterozoic Brasilianoâ€Panâ€African Orogeny. Tectonics, 2016, 35, 754-771.	2.8	63
14	Crustal Provenance and Cooling of the Basement Complexes of the Sierra de San Luis: An Insight Into the Tectonic History of the Pro to-Andean Margin of Gondwana. Gondwana Research, 2004, 7, 1171-1195.	6.0	62
15	Shear zone evolution and timing of deformation in the Neoproterozoic transpressional Dom Feliciano Belt, Uruguay. Journal of Structural Geology, 2016, 92, 59-78.	2.3	61
16	Complete texture analysis of a deformed amphibolite: comparison between neutron diffraction and U-stage data. Journal of Structural Geology, 1994, 16, 131-142.	2.3	56
17	Time constraints on the Famatinian and Achalian structural evolution of the basement of the Sierra de San Luis (Eastern Sierras Pampeanas, Argentina). Journal of South American Earth Sciences, 2008, 25, 336-358.	1.4	55
18	Exhumation and uplift of the Sierras Pampeanas: preliminary implications from Kâ€“Ar fault gouge dating and low-T thermochronology in the Sierra de Comechingones (Argentina). International Journal of Earth Sciences, 2011, 100, 671-694.	1.8	54

#	Article	IF	Citations
19	Thermal expansion and its control on the durability of marbles. Geological Society Special Publication, 2002, 205, 65-80.	1.3	53
20	The Sierra Ballena Shear Zone in the southernmost Dom Feliciano Belt (Uruguay): evolution, kinematics, and deformation conditions. International Journal of Earth Sciences, 2010, 99, 1227-1246.	1.8	53
21	Control of magnetic rock fabrics by mica preferred orientation: a quantitative approach. Journal of Structural Geology, 1995, 17, 1601-1613.	2.3	52
22	Paleo- and Neoproterozoic magmatic and tectonometamorphic evolution of the Isla Cristalina de Rivera (Nico PÃ©rez Terrane, Uruguay). International Journal of Earth Sciences, 2012, 101, 1745-1762.	1.8	46
23	Geochemical constraints on the petrogenesis of the Paleozoic granitoids of the Sierra de San Luis, Sierras Pampeanas, Argentina. Journal of South American Earth Sciences, 2007, 24, 138-166.	1.4	44
24	The Dom Feliciano Belt in Southern Brazil and Uruguay. Regional Geology Reviews, 2018, , 267-302.	1.2	43
25	The Neoproterozoic-early Paleozoic metamorphic and magmatic evolution of the Eastern Sierras Pampeanas: an overview. International Journal of Earth Sciences, 2011, 100, 465-488.	1.8	41
26	Is the exhumation of the Sierras Pampeanas only related to Neogene flat-slab subduction? Implications from a multi-thermochronological approach. Journal of South American Earth Sciences, 2013, 48, 123-144.	1.4	41
27	Fault gouge analyses: Kâ€“Ar illite dating, clay mineralogy and tectonic significanceâ€”a study from the Sierras Pampeanas, Argentina. International Journal of Earth Sciences, 2014, 103, 189-218.	1.8	41
28	Experimental and texture-derived P-wave anisotropy of principal rocks from the TRANSALP traverse: An aid for the interpretation of seismic field data. Tectonophysics, 2006, 414, 97-116.	2.2	39
29	Geodynamic evolution of an Alpine terraneâ€”the Austroalpine basement to the south of the Tauern Window as a part of the Adriatic Plate (eastern Alps). Geological Society Special Publication, 2008, 298, 5-44.	1.3	37
30	Refined exhumation history of the northern Sierras Pampeanas, Argentina. Tectonics, 2013, 32, 453-472.	2.8	37
31	Cooling and exhumation of the Rieserferner Pluton (Eastern Alps, Italy/Austria). International Journal of Earth Sciences, 2002, 91, 799-817.	1.8	36
32	Geodynamic evolution of the Eastern Sierras Pampeanas (Central Argentina) based on geochemical, Smâ€“Nd, Pbâ€“Pb and SHRIMP data. International Journal of Earth Sciences, 2011, 100, 631-657.	1.8	34
33	Early Paleozoic accretionary orogens along the Western Gondwana margin. Geoscience Frontiers, 2021, 12, 109-130.	8.4	34
34	Texture analysis of a muscovite-bearing quartzite: a comparison of some currently used techniques. Journal of Structural Geology, 2000, 22, 1541-1557.	2.3	33
35	The impact of partial water saturation on rock strength: an experimental study on sandstone. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2007, 158, 869-882.	0.4	28
36	Phanerozoic low-temperature evolution of the Uruguayan Shield along the South American passive margin. Journal of the Geological Society, 2017, 174, 609-626.	2.1	26

#	Article	IF	Citations
37	Evolution of the Major Gercino Shear Zone in the Dom Feliciano Belt, South Brazil, and implications for the assembly of southwestern Gondwana. International Journal of Earth Sciences, 2019, 108, 403-425.	1.8	25
38	Characterization and quality assessment of granitic building stone deposits: A case study of two different Portuguese granites. Engineering Geology, 2017, 221, 29-40.	6.3	24
39	Late Paleoproterozoic and Mesoproterozoic magmatism of the Nico PÃ©rez Terrane (Uruguay): Tightening up correlations in southwestern Gondwana. Precambrian Research, 2019, 327, 296-313.	2.7	23
40	Freeze-thaw cycles and their influence on marble deterioration: a long-term experiment. Geological Society Special Publication, 2002, 205, 9-18.	1.3	22
41	Jewish cemetery in Hamburg Altona (Germany): State of marble deterioration and provenance. Engineering Geology, 2010, 115, 200-208.	6.3	22
42	Tracking trachyte on the Roman routes: Provenance study of Roman infrastructure and insights into ancient trades in northern Italy. Geoarchaeology - an International Journal, 2018, 33, 417-429.	1.5	22
43	(Uâ€Th)/He Thermochronology and Zircon Radiation Damage in the South American Passive Margin: Thermal Overprint of the ParanÃ¡ LIP?. Tectonics, 2018, 37, 4068-4085.	2.8	22
44	Thermal tresses and microcracking in calcite and dolomite marbles via finite element modelling. Geological Society Special Publication, 2002, 205, 89-102.	1.3	20
45	Age constraints on the evolution of the Austroalpine basement to the south of the Tauern Window. International Journal of Earth Sciences, 2007, 96, 415-432.	1.8	19
46	Archean to early Neoproterozoic crustal growth of the southern South American Platform and its wide-reaching â€œAfricanâ€•origins. Precambrian Research, 2022, 369, 106532.	2.7	19
47	Pâ€wave velocity and permeability distribution of sandstones from a fractured tight gas reservoir. Geophysics, 2002, 67, 241-253.	2.6	18
48	Limestones in Germany used as building stones: an overview. Geological Society Special Publication, 2010, 331, 37-59.	1.3	18
49	The tectonic significance of K/Ar illite fine-fraction ages from the San Luis Formation (Eastern Sierras) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	18
50	Dating recurrent shear zone activity and the transition from ductile to brittle deformation: White mica geochronology applied to the Neoproterozoic Dom Feliciano Belt in South Brazil. Journal of Structural Geology, 2020, 141, 104199.	2.3	18
51	Shear Zones in Brasiliano-Pan-African Belts and Their Role in the Amalgamation and Break-Up of Southwest Gondwana. Regional Geology Reviews, 2018, , 593-613.	1.2	15
52	Thermochronological constraints of the exhumation and uplift of the Sierra de Pie de Palo, NW Argentina. Journal of South American Earth Sciences, 2013, 48, 209-219.	1.4	13
53	Late Paleozoic deformation and exhumation in the Sierras Pampeanas (Argentina): 40Ar/39Ar-feldspar dating constraints. International Journal of Earth Sciences, 2017, 106, 1991-2003.	1.8	12
54	Comparing contiguous high- and low-elevation continental margins: New (U-Th)/He constraints from South Brazil and an integration of the thermochronological record of the southeastern passive margin of South America. Tectonophysics, 2019, 770, 228222.	2.2	12

#	Article	IF	Citations
55	The Sierra de Aguirre Formation, Uruguay: Post-collisional Ediacaran volcanism in the southernmost Dom Feliciano Belt. Journal of South American Earth Sciences, 2021, 107, 103118.	1.4	12
56	The influence of quartz textures on the seismic anisotropy in lower crustal granulites. Journal of Structural Geology, 1991, 13, 955-966.	2.3	11
57	Anisotropic technical properties of building stones and their development due to fabric changes. Geological Society Special Publication, 2002, 205, 115-135.	1.3	10
58	The anisotropy of itacolumite flexibility. Geological Society Special Publication, 2002, 205, 137-147.	1.3	6
59	Temperature Induced Internal Stress in Carrara Marble. Materials Science Forum, 0, 777, 148-154.	0.3	6
60	The Conlara Metamorphic Complex: Lithology, provenance, metamorphic constraints on the metabasic rocks, and chime monazite dating. Journal of South American Earth Sciences, 2021, 106, 103065.	1.4	4
61	Multi-accretional tectonics at the Rio de la Plata Craton margins: preface. International Journal of Earth Sciences, 2011, 100, 197-200.	1.8	3
62	Rohstoff Naturwerkstein: Teil 2. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2007, 158, 677-678.	0.4	1
63	The Precambrian to Paleozoic crustal growth of South America: From collisional to accretionary tectonics. Journal of South American Earth Sciences, 2021, 112, 103621.	1.4	1
64	Rohstoff Naturwerkstein: Teil 1. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2007, 158, 349-350.	0.4	0
65	Sandstones from Gottingen: its use, weathering behaviour and consolidation approaches a case study from the Bartholomaus cemetery. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2007, 158, 957-984.	0.4	0