

Daniel Sauter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8929346/publications.pdf>

Version: 2024-02-01

57
papers

3,276
citations

156536

32
h-index

162838

57
g-index

59
all docs

59
docs citations

59
times ranked

2092
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-axial deformation in oceanic lower crust: Insights from seismic reflection profiles in the Enderby Basin and comparison with the Oman ophiolite. <i>Earth and Planetary Science Letters</i> , 2021, 554, 116698.	1.8	10
2	High resolution reconstructions of the Southwest Indian Ridge, 52 Ma to present: implications for the breakup and absolute motion of the Africa plate. <i>Geophysical Journal International</i> , 2021, 226, 1461-1497.	1.0	12
3	Ocean-continent transition architecture and breakup mechanism at the mid-northern South China Sea. <i>Earth-Science Reviews</i> , 2021, 217, 103620.	4.0	27
4	780 Thousand Years of Upperâ€Crustal Construction at a Meltâ€Rich Segment of the Ultraslow Spreading Southwest Indian Ridge 50Â°28â€E. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022152.	1.4	17
5	Reappraisal of the magma-rich versus magma-poor rifted margin archetypes. <i>Geological Society Special Publication</i> , 2020, 476, 23-47.	0.8	42
6	Geochemical characteristics of basalts related to incipient oceanization: The example from the Alpineâ€Tethys OCTs. <i>Terra Nova</i> , 2020, 32, 75-88.	0.9	12
7	On spreading modes and magma supply at slow and ultraslow mid-ocean ridges. <i>Earth and Planetary Science Letters</i> , 2019, 519, 223-233.	1.8	72
8	The role of serpentinization and magmatism in the formation of decoupling interfaces at magma-poor rifted margins. <i>Earth-Science Reviews</i> , 2019, 196, 102882.	4.0	34
9	Intraplate Deformation of Oceanic Crust in the West Somali Basin: Insights From Longâ€offset Reflection Seismic Data. <i>Tectonics</i> , 2018, 37, 588-603.	1.3	25
10	Oceanic basement roughness alongside magma-poor rifted margins: insight into initial seafloor spreading. <i>Geophysical Journal International</i> , 2018, 212, 900-915.	1.0	12
11	Kinematic Evolution of the Southern North Atlantic: Implications for the Formation of Hyperextended Rift Systems. <i>Tectonics</i> , 2018, 37, 89-118.	1.3	122
12	Fe-Si Oxides Tracing the Ongoing Low-TÂ° Hydrothermal Alteration of Exhumed Serpentinites at the Ultraslow-spreading Southwest Indian Ridge. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 280-283.	0.6	4
13	Birth of an oceanic spreading center at a magma-poor rift system. <i>Scientific Reports</i> , 2017, 7, 15072.	1.6	38
14	Nature and origin of the Jâ€magnetic anomaly offshore Iberiaâ€Newfoundland: implications for plate reconstructions. <i>Terra Nova</i> , 2017, 29, 20-28.	0.9	65
15	Evidence for magma entrapment below oceanic crust from deep seismic reflections in the Western Somali Basin. <i>Geology</i> , 2016, 44, 407-410.	2.0	19
16	Geophysical fingerprints of hyper-extended, exhumed and embryonic oceanic domains: the example from the Iberiaâ€Newfoundland rifted margins. <i>Marine Geophysical Researches</i> , 2016, 37, 185-205.	0.5	20
17	Tectonomagmatic evolution of the final stages of rifting along the deep conjugate Australian-Antarctic magma-poor rifted margins: Constraints from seismic observations. <i>Tectonics</i> , 2015, 34, 753-783.	1.3	95
18	High-resolution estimates of Southwest Indian Ridge plate motions, 20 Ma to present. <i>Geophysical Journal International</i> , 2015, 203, 1495-1527.	1.0	29

#	ARTICLE	IF	CITATIONS
19	Along-axis variation in crustal thickness at the ultraslow spreading Southwest Indian Ridge (50°E) from a wide-angle seismic experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 468-485.	1.0	51
20	Magnetic signature of large exhumed mantle domains of the Southwest Indian Ridge – results from a deep-tow geophysical survey over 0 to 11 Ma old seafloor. <i>Solid Earth</i> , 2014, 5, 339-354.	1.2	19
21	Continuous exhumation of mantle-derived rocks at the Southwest Indian Ridge for 11 million years. <i>Nature Geoscience</i> , 2013, 6, 314-320.	5.4	224
22	Deep-tow 3C magnetic measurement: Solutions for calibration and interpretation. <i>Geophysics</i> , 2013, 78, J15-J23.	1.4	19
23	Three-dimensional seismic structure of the Dragon Flag oceanic core complex at the ultraslow spreading Southwest Indian Ridge (49°39'E). <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4544-4563.	1.0	64
24	Reply to 'Problematic plate reconstruction'. <i>Nature Geoscience</i> , 2012, 5, 677-677.	5.4	9
25	Abyssal hill characterization at the ultraslow spreading Southwest Indian Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	12
26	The Chenaillet Ophiolite in the French/Italian Alps: An ancient analogue for an Oceanic Core Complex?. <i>Lithos</i> , 2011, 124, 169-184.	0.6	107
27	Magmatic breakup as an explanation for magnetic anomalies at magma-poor rifted margins. <i>Nature Geoscience</i> , 2011, 4, 549-553.	5.4	181
28	From slow to ultra-slow: How does spreading rate affect seafloor roughness and crustal thickness?. <i>Geology</i> , 2011, 39, 911-914.	2.0	26
29	The ultraslow spreading Southwest Indian Ridge. <i>Geophysical Monograph Series</i> , 2010, , 153-173.	0.1	48
30	Propagation of a melting anomaly along the ultraslow Southwest Indian Ridge between 46°E and 52°20'E: interaction with the Crozet hotspot?. <i>Geophysical Journal International</i> , 2009, 179, 687-699.	1.0	90
31	Assessing the conditions of continental breakup at magma-poor rifted margins: What can we learn from slow spreading mid-ocean ridges?. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 406-427.	0.4	63
32	Oceanic corrugated surfaces and the strength of the axial lithosphere at slow spreading ridges. <i>Earth and Planetary Science Letters</i> , 2009, 288, 174-183.	1.8	59
33	Spreading rate, spreading obliquity, and melt supply at the ultraslow spreading Southwest Indian Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	113
34	Magnetization of ~26.5 Ma seafloor at the ultraslow spreading Southwest Indian Ridge, 61°-67°E. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	33
35	From slow to ultraslow: A previously undetected event at the Southwest Indian Ridge at ca. 24 Ma. <i>Geology</i> , 2008, 36, 207.	2.0	47
36	Tectonics at the axis of the very slow spreading Southwest Indian Ridge: Insights from TOBI side-scan sonar imagery. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	6

#	ARTICLE	IF	CITATIONS
37	Modes of seafloor generation at a melt-poor ultraslow-spreading ridge. <i>Geology</i> , 2006, 34, 605.	2.0	337
38	Refined spreading history at the Southwest Indian Ridge for the last 96 Ma, with the aid of satellite gravity data. <i>Geophysical Journal International</i> , 2005, 162, 765-778.	1.0	54
39	MODMAG, a MATLAB program to model marine magnetic anomalies. <i>Computers and Geosciences</i> , 2005, 31, 589-597.	2.0	55
40	Heterogeneity in southern Central Indian Ridge MORB: Implications for ridge-hot spot interaction. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	1.0	46
41	Ridge segmentation and the magnetic structure of the Southwest Indian Ridge (at 50°30'E, 55°30'E and) Tj ETQq1 1 0.7843 <i>Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	1.0	64
42	Focused magmatism versus amagmatic spreading along the ultra-slow spreading Southwest Indian Ridge: Evidence from TOBI side scan sonar imagery. <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	1.0	59
43	Magmato-tectonic cyclicity at the ultra-slow spreading Southwest Indian Ridge: Evidence from variations of axial volcanic ridge morphology and abyssal hills pattern. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, n/a-n/a.	1.0	68
44	TOBI sidescan sonar imagery of the very slow-spreading Southwest Indian Ridge: evidence for along-axis magma distribution. <i>Earth and Planetary Science Letters</i> , 2002, 199, 81-95.	1.8	40
45	The Southwest Indian Ridge between 49°15'E and 57°E: focused accretion and magma redistribution. <i>Earth and Planetary Science Letters</i> , 2001, 192, 303-317.	1.8	121
46	Relationship of the Central Indian Ridge segmentation with the evolution of the Rodrigues Triple Junction for the past 8 Myr. <i>Journal of Geophysical Research</i> , 2000, 105, 16563-16575.	3.3	20
47	Formation of the axial relief at the very slow spreading Southwest Indian Ridge (49° to 69°E). <i>Journal of Geophysical Research</i> , 1999, 104, 22825-22843.	3.3	169
48	Hydrothermal activity along the southwest Indian ridge. <i>Nature</i> , 1998, 395, 490-493.	13.7	146
49	Seamount volcanism at the super slow-spreading Southwest Indian Ridge between 57° and 70°. <i>Geology</i> , 1997, 25, 99.	2.0	30
50	Title is missing!. <i>Marine Geophysical Researches</i> , 1997, 19, 505-533.	0.5	75
51	Title is missing!. <i>Marine Geophysical Researches</i> , 1997, 19, 457-480.	0.5	79
52	Propagation of the Southwest Indian Ridge at the Rodrigues Triple Junction. <i>Marine Geophysical Researches</i> , 1997, 19, 553-567.	0.5	15
53	Title is missing!. <i>Marine Geophysical Researches</i> , 1997, 19, 535-552.	0.5	15
54	Variations of backscatter strength along the super slow-spreading Southwest Indian Ridge between 57°E and 70°E. <i>Marine Geology</i> , 1997, 140, 237-248.	0.9	9

#	ARTICLE	IF	CITATIONS
55	Segmentation and morphotectonic variations of the Central Indian Ridge (21°10'S-22°25'S). Journal of Geophysical Research, 1996, 101, 20233-20256.	3.3	8
56	Spatial filtering for speckle reduction, contrast enhancement, and texture analysis of GLORIA images. IEEE Journal of Oceanic Engineering, 1994, 19, 563-576.	2.1	18
57	Periodicity in the accretion process on the Southeast Indian Ridge at 27°40'S. Tectonophysics, 1991, 195, 47-64.	0.9	14