

Shu-Kun Hsu

List of Publications by Year in descending order

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59
papers

2,387
citations

249298

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all docs

61
docs citations

61
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Sedimentary sequences offshore northeastern Taiwan and the offshore projection of the Shanjiao Fault zone. <i>Tectonophysics</i> , 2022, 826, 229254.	0.9	1
2	Neotectonics of the volcanic Kuei-Shan Tao island, and geodynamic implications (NE Taiwan - SW Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	1
3	Continental shelf morphology controlled by bottom currents, mud diapirism, and submarine slumping to the east of the Gaoping Canyon, off SW Taiwan. <i>Geo-Marine Letters</i> , 2021, 41, 1.	0.5	4
4	Shallow gas hydrates off southwest Taiwan and their mechanisms. <i>Marine Geophysical Researches</i> , 2021, 42, 1.	0.5	5
5	Seismogenic structure along the deformation front off SW Taiwan revealed by the aftershocks of the 2017 Tainan near-shore earthquake with ocean bottom seismometers. <i>Tectonophysics</i> , 2021, 815, 228995.	0.9	0
6	Hualien Ridge: A tectonic ridge transitioning from plate collision to subduction. <i>Tectonophysics</i> , 2021, 816, 229010.	0.9	2
7	Active tectonics and volcanism in the southernmost Okinawa Trough back-arc basin derived from deep-towed sonar surveys. <i>Tectonophysics</i> , 2021, 817, 229047.	0.9	7
8	Forearc structures and deformation along the Manila Trench. <i>Journal of Asian Earth Sciences: X</i> , 2020, 4, 100036.	0.6	5
9	Variations in mantle lithosphere buoyancy reveal seismogenic behavior in the Sunda-Andaman subduction zone. <i>Geophysical Journal International</i> , 2019, , .	1.0	2
10	Earthquake-Related Structures Beneath the Southernmost Portion of the Ryukyu Arc and Forearc. <i>Geophysical Research Letters</i> , 2019, 46, 3717-3725.	1.5	5
11	Gas plumes and near-seafloor bottom current speeds of the southernmost Okinawa Trough determined from echo sounders. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, 649-674.	0.3	6
12	Hydrothermal activity revealed by rock magnetic anomaly from core sediments in the southern Okinawa Trough. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, 685-694.	0.3	5
13	Crustal stress field in Ilan Plain, NE Taiwan and the westernmost Okinawa trough-deduced from seismic stress inversion. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, 613-619.	0.3	1
14	Seabed gas emissions and submarine landslides off SW Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2018, 29, 7-15.	0.3	12
15	Fangliao Slide " a large slope failure in the upper Kaoping Slope off southwest Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2018, 29, 17-30.	0.3	8
16	Active normal faults and submarine landslides in the Keelung Shelf off NE Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2018, 29, 31-38.	0.3	8
17	The Keelung Submarine Volcano in the near-shore area of northern Taiwan and its tectonic implication. <i>Journal of Asian Earth Sciences</i> , 2017, 135, 320-326.	1.0	4
18	Plate coupling across the northern Manila subduction zone deduced from mantle lithosphere buoyancy. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 273, 50-54.	0.7	7

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19	Thinned continental crust intruded by volcanics beneath the northern Bay of Bengal. <i>Marine and Petroleum Geology</i> , 2016, 77, 471-486.	1.5	30
20	Exhumation of serpentinized peridotite in the northern Manila subduction zone inferred from forward gravity modeling. <i>Geophysical Research Letters</i> , 2015, 42, 7977-7982.	1.5	15
21	Gravity anomalies of the active mud diapirs off southwest Taiwan. <i>Geophysical Journal International</i> , 2015, 203, 2089-2098.	1.0	21
22	New Magnetic Anomaly Map of the East Asia with Some Preliminary Tectonic Interpretations. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2015, 26, 73.	0.3	20
23	Marine controlled source electromagnetic method used for the gas hydrate investigation in the offshore area of SW Taiwan. <i>Journal of Asian Earth Sciences</i> , 2014, 92, 224-232.	1.0	27
24	Distribution and characters of the mud diapirs and mud volcanoes off southwest Taiwan. <i>Journal of Asian Earth Sciences</i> , 2014, 92, 201-214.	1.0	84
25	Improvement of earthquake locations with the Marine Cable Hosted Observatory (MACHO) offshore NE Taiwan. <i>Marine Geophysical Researches</i> , 2014, 35, 327-336.	0.5	23
26	Tide-modulated gas emissions and tremors off SW Taiwan. <i>Earth and Planetary Science Letters</i> , 2013, 369-370, 98-107.	1.8	29
27	A mega-splay fault system and tsunami hazard in the southern Ryukyu subduction zone. <i>Earth and Planetary Science Letters</i> , 2013, 362, 99-107.	1.8	46
28	Crustal features of the northeastern South China Sea: insights from seismic and magnetic interpretations. <i>Marine Geophysical Researches</i> , 2012, 33, 307-326.	0.5	41
29	Possible northward extension of the Philippine Fault Zone offshore Luzon Island (Philippines). <i>Marine Geophysical Researches</i> , 2012, 33, 369-377.	0.5	6
30	Gas seepage, pockmarks and mud volcanoes in the near shore of SW Taiwan. <i>Marine Geophysical Researches</i> , 2010, 31, 133-147.	0.5	50
31	Tectonic evolution of the Northeastern South China Sea from seismic interpretation. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	52
32	Spatial variation of the crustal stress field along the Ryukyu-Taiwan-Luzon convergent boundary. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
33	Improved seismic tomography offshore northeastern Taiwan: implications for subduction and collision processes between Taiwan and the southernmost Ryukyu. <i>Geophysical Journal International</i> , 2009, 178, 1042-1054.	1.0	70
34	Crustal structure and deformation at the northern Manila Trench between Taiwan and Luzon islands. <i>Tectonophysics</i> , 2009, 466, 229-240.	0.9	40
35	Microseismicity and faulting in the southwestern Okinawa Trough. <i>Tectonophysics</i> , 2009, 466, 268-280.	0.9	11
36	Tectonic features of the incipient arc-continent collision zone of Taiwan: Implications for seismicity. <i>Tectonophysics</i> , 2009, 479, 28-42.	0.9	78

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37	Variations of b-values at the western edge of the Ryukyu Subduction Zone, north-east Taiwan. <i>Terra Nova</i> , 2008, 20, 150-153.	0.9	5
38	Origin of the southern Okinawa Trough volcanism from detailed seismic tomography. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	32
39	A derivative-based interpretation approach to estimating source parameters of simple 2D magnetic sources from Euler deconvolution, the analytic-signal method and analytical expressions of the anomalies. <i>Geophysical Prospecting</i> , 2007, 55, 255-264.	1.0	14
40	Earthquake-induced gravitational potential energy change in the active Taiwan orogenic belt. <i>Geophysical Journal International</i> , 2005, 162, 169-176.	1.0	13
41	Earthquake off Japan could generate strong tsunami arrays. <i>Eos</i> , 2005, 86, 169.	0.1	10
42	Continental–Ocean Transition of the Northern South China Sea and off Southwestern Taiwan. <i>Marine Geophysical Researches</i> , 2004, 25, 1-4.	0.5	17
43	New Bathymetry and Magnetic Lineations Identifications in the Northernmost South China Sea and their Tectonic Implications. <i>Marine Geophysical Researches</i> , 2004, 25, 29-44.	0.5	192
44	Crustal Structures of the Northernmost South China Sea: Seismic Reflection and Gravity Modeling. <i>Marine Geophysical Researches</i> , 2004, 25, 45-61.	0.5	26
45	Crustal Thinning of the Northern Continental Margin of the South China Sea. <i>Marine Geophysical Researches</i> , 2004, 25, 63-78.	0.5	49
46	Tectonic Significance of the Taitung Canyon, Huatung Basin, East of Taiwan. <i>Marine Geophysical Researches</i> , 2004, 25, 95-107.	0.5	11
47	Melting features along the Ryukyu slab tear, beneath the southwestern Okinawa Trough. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	28
48	Melting features along the western Ryukyu slab edge (northeast Taiwan): Tomographic evidence. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	56
49	Geodynamic context of the Taiwan orogen. <i>Geophysical Monograph Series</i> , 2004, , 127-158.	0.1	20
50	Change of crustal gravitational potential energy in the Taiwan orogen by the Chi-Chi earthquake sequence. <i>Earth and Planetary Science Letters</i> , 2004, 222, 573-581.	1.8	11
51	How was Taiwan created?. <i>Tectonophysics</i> , 2004, 379, 159-181.	0.9	244
52	East Asia plate tectonics since 15 Ma: constraints from the Taiwan region. <i>Tectonophysics</i> , 2002, 344, 103-134.	0.9	164
53	Imaging magnetic sources using Euler's equation. <i>Geophysical Prospecting</i> , 2002, 50, 15-25.	1.0	108
54	Lithospheric structure, buoyancy and coupling across the southernmost Ryukyu subduction zone: an example of decreasing plate coupling. <i>Earth and Planetary Science Letters</i> , 2001, 186, 471-478.	1.8	31

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55	Magnetic inversion in the East China Sea and Okinawa Trough: tectonic implications. <i>Tectonophysics</i> , 2001, 333, 111-122.	0.9	69
56	Okinawa trough backarc basin: Early tectonic and magmatic evolution. <i>Journal of Geophysical Research</i> , 1998, 103, 30245-30267.	3.3	312
57	New Gravity and Magnetic Anomaly Maps in the Taiwan-Luzon Region and Their Preliminary Interpretation. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 1998, 9, 509.	0.3	83
58	Transition between the Okinawa trough backarc extension and the Taiwan collision: New insights on the southernmost Ryukyu subduction zone. <i>Marine Geophysical Researches</i> , 1996, 18, 163-187.	0.5	57
59	Is Taiwan the result of arc-continent or arc-arc collision?. <i>Earth and Planetary Science Letters</i> , 1995, 136, 315-324.	1.8	75