

# Michael B Underwood

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6468563/publications.pdf>

Version: 2024-02-01

32  
papers

1,471  
citations

516710

16  
h-index

752698

20  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	New insights into deformation and fluid flow processes in the Nankai Trough accretionary prism: Results of Ocean Drilling Program Leg 190. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	189
2	Origin and evolution of a splay fault in the Nankai accretionary wedge. <i>Nature Geoscience</i> , 2009, 2, 648-652.	12.9	177
3	Slumping and mass transport deposition in the Nankai fore arc: Evidence from IODP drilling and 3D reflection seismic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	103
4	Slow slip source characterized by lithological and geometric heterogeneity. <i>Science Advances</i> , 2020, 6, eaay3314.	10.3	95
5	Evaluation of factors controlling smectite transformation and fluid production in subduction zones: Application to the Nankai Trough. <i>Island Arc</i> , 2008, 17, 208-230.	1.1	93
6	Diagenesis, sediment strength, and pore collapse in sediment approaching the Nankai Trough subduction zone. <i>Bulletin of the Geological Society of America</i> , 2007, 119, 377-390.	3.3	87
7	3. Sediment Inputs to Subduction Zones. , 2007, , 42-85.		69
8	Long-timescale variation in bulk and clay mineral composition of Indian continental margin sediments in the Bay of Bengal, Arabian Sea, and Andaman Sea. <i>Marine and Petroleum Geology</i> , 2014, 58, 117-138.	3.3	69
9	Character of sediments entering the Costa Rica subduction zone: Implications for partitioning of water along the plate interface. <i>Island Arc</i> , 2004, 13, 432-451.	1.1	65
10	Provenance, Stratigraphic Architecture, and Hydrogeologic Influence of Turbidites on the Mid-Ocean Ridge Flank of Northwestern Cascadia Basin, Pacific Ocean. <i>Journal of Sedimentary Research</i> , 2005, 75, 149-164.	1.6	56
11	Geochemical approaches to the quantification of dispersed volcanic ash in marine sediment. <i>Progress in Earth and Planetary Science</i> , 2016, 3, .	3.0	51
12	Sedimentary and Tectonic Evolution of a Trench-Slope Basin in the Nankai Subduction Zone of Southwest Japan. <i>Journal of Sedimentary Research</i> , 2003, 73, 589-602.	1.6	50
13	Abundance of smectite and the location of a plate-boundary fault, Barbados accretionary prism. <i>Bulletin of the Geological Society of America</i> , 2001, 113, 495-507.	3.3	47
14	Distribution of stress state in the Nankai subduction zone, southwest Japan and a comparison with Japan Trench. <i>Tectonophysics</i> , 2016, 692, 120-130.	2.2	45
15	Depositional architecture, provenance, and tectonic/eustatic modulation of Miocene submarine fans in the Shikoku Basin: Results from Nankai Trough Seismogenic Zone Experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1722-1739.	2.5	43
16	Clay-Mineral Provenance, Sediment Dispersal Patterns, and Mudrock Diagenesis in the Nankai Accretionary Prism, Southwest Japan. <i>Clays and Clay Minerals</i> , 1996, 44, 339-356.	1.3	39
17	Large volume submarine ignimbrites in the Shikoku Basin: An example for explosive volcanism in the Western Pacific during the Late Miocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1837-1851.	2.5	30
18	Late Cenozoic evolution of the Nankai trench-slope system: evidence from sand petrography and clay mineralogy. <i>Geological Society Special Publication</i> , 2005, 244, 113-129.	1.3	21

#	ARTICLE	IF	CITATIONS
19	The origin of strata within the inner accretionary prism of Nankai Trough: Evidence from clay mineral assemblages along the NanTroSEIZE transect. <i>Island Arc</i> , 2018, 27, e12252.	1.1	15
20	Clay-mineral assemblages across the Nankai-Shikoku subduction system, offshore Japan: A synthesis of results from the NanTroSEIZE project. , 2018, 14, 2009-2043.		15
21	Sedimentary inputs to the Nankai subduction zone: The importance of dispersed ash. , 2018, 14, 1451-1467.		13
22	Data report: standard mineral mixtures, normalization factors, and determination of error for quantitative X-ray diffraction analyses of bulk powders and clay-sized mineral assemblages. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	13
23	Spatiotemporal Characterization of Smectite-to-illite Diagenesis in the Nankai Trough Accretionary Prism Revealed by Samples From 3Åkm Below Seafloor. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 933-951.	2.5	10
24	Facies architecture, detrital provenance, and tectonic modulation of sedimentation in the Shikoku Basin: Inputs to the Nankai Trough subduction zone. , 0, , .		10
25	Data report: reconnaissance of bulk sediment composition and clay mineral assemblages: inputs to the Hikurangi subduction system. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	9
26	IODP Expedition 322 Drills Two Sites to Document Inputs to The Nankai Trough Subduction Zone. <i>Scientific Drilling</i> , 0, 10, 14-25.	0.6	7
27	Heterogeneous Sediment Input at the Nankai Trough Subduction Zone: Implications for Shallow Slow Earthquake Localization. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	2.5	7
28	Data report: clay mineral assemblages within and beneath the Tuaheni Landslide Complex, IODP Expedition 372A Site U1517, offshore New Zealand. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	5
29	Data report: clay mineral assemblages in hemipelagic sediments entering the Sumatra subduction zone, IODP Sites U1480 and U1481, Expedition 362. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	5
30	Data report: clay mineral assemblages within biocalcareous and volcanoclastic inputs to the Hikurangi subduction zone, IODP Expedition 372B/375 Sites U1520 and U1526, offshore New Zealand. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	4
31	Data report: clay mineral assemblages within Hikurangi trench-slope deposits, IODP Expedition 375 Site U1519, offshore New Zealand. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	2
32	Data report: clay mineral assemblages and diagenesis within the inner Nankai accretionary prism and the Kumano Basin, IODP Expedition 358, Sites C0002 and C0025, offshore Japan. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	0