Tadashi Yamasaki

List of Publications by Year
in descending order

28 papers	922 citations	623188 14 h-index	500791 28 g-index
28 all docs	28 docs citations	28 times ranked	1082 citing authors

#	Article	IF	Citations
1	Double seismic zone and dehydration embrittlement of the subducting slab. Journal of Geophysical Research, 2003, 108, .	3.3	251
2	Low-frequency tremors, intraslab and interplate earthquakes in Southwest Japan-from a viewpoint of slab dehydration. Geophysical Research Letters, 2003, 30, .	1.5	109
3	Crustal and basin evolution of the southwestern Barents Sea: From Caledonian orogeny to continental breakup. Tectonics, 2014, 33, 347-373.	1.3	103
4	The Norway Basin revisited: From continental breakup to spreading ridge extinction. Marine and Petroleum Geology, 2012, 35, 1-19.	1.5	71
5	Weak ductile shear zone beneath a major strikeâ€slip fault: Inferences from earthquake cycle model constrained by geodetic observations of the western North Anatolian Fault Zone. Journal of Geophysical Research: Solid Earth, 2014, 119, 3678-3699.	1.4	53
6	The crustal viscosity gradient measured from post-seismic deformation: A case study of the 1997 Manyi (Tibet) earthquake. Earth and Planetary Science Letters, 2012, 351-352, 105-114.	1.8	41
7	High strain rate zone in central Honshu resulting from the viscosity heterogeneities in the crust and mantle. Earth and Planetary Science Letters, 2005, 232, 13-27.	1.8	37
8	Styles of lithospheric extension controlled by underplated mafic bodies. Tectonophysics, 2009, 468, 169-184.	0.9	31
9	Unexpected large eruptions from buoyant magma bodies within viscoelastic crust. Nature Communications, 2020, 11, 2403.	5.8	29
10	Viscoelastic crustal deformation by magmatic intrusion: A case study in the Kutcharo caldera, eastern Hokkaido, Japan. Journal of Volcanology and Geothermal Research, 2018, 349, 128-145.	0.8	23
11	The effects of the spinel-garnet phase transition on the formation of rifted sedimentary basins. Geophysical Journal International, 1997, 130, 681-692.	1.0	21
12	The signature of depth-dependent viscosity structure in post-seismic deformation. Geophysical Journal International, 2012, 190, 769-784.	1.0	20
13	Redistribution of the lithosphere deformation by the emplacement of underplated mafic bodies: implications for microcontinent formation. Journal of the Geological Society, 2010, 167, 961-971.	0.9	19
14	Numerical modelling study on the flexural uplift of the Transantarctic Mountains. Geophysical Journal International, 2008, 174, 377-390.	1.0	15
15	Magmaticâ€“hydrothermal system of Aso Volcano, Japan, inferred from electrical resistivity structures. Earth, Planets and Space, 2020, 72, .	0.9	15
16	Back-arc rifting initiated with a hot and wet continental lithosphere. Earth and Planetary Science Letters, 2011, 302, 172-184.	1.8	13
17	Magma chamber decompression during explosive caldera-forming eruption of Aira caldera. Communications Earth & Environment, 2021, 2, .	2.6	10
18	Localized rheological weakening by grain-size reduction during lithospheric extension. Tectonophysics, 2004, 386, 117-145.	0.9	9

#	ARTICLE	IF	CITATIONS
19	A rheological weak zone intensified by post-rift thermal relaxation as a possible origin of simple shear deformation associated with reactivation of rifting. Earth and Planetary Science Letters, 2006, 248, 134-146.	1.8	9
20	Change in tectonic force inferred from basin subsidence: Implications for the dynamical aspects of back-arc rifting in the western Mediterranean. Earth and Planetary Science Letters, 2009, 277, 174-183.	1.8	8
21	Potential role of strain hardening in the cessation of rifting at constant tectonic force. Journal of Geodynamics, 2009, 47, 47-62.	0.7	8
22	Imaging a low viscosity zone beneath the Kutcharo caldera, eastern Hokkaido, Japan, using geodetic data. Earth and Planetary Science Letters, 2018, 504, 1-12.	1.8	7
23	Effects of the Quaternary sea-level change on the subsidence of a sedimentary basin: a case study of the Osaka Bay sedimentary basin, Japan. Tectonophysics, 1996, 267, 229-238.	0.9	5
24	Viscoelastic crustal response to magma supply and discharge in the upper crust: Implications for the uplift of the Aira caldera before and after the 1914 eruption of the Sakurajima volcano. Earth and Planetary Science Letters, 2020, 531, 115981.	1.8	5
25	Analysis of the spatial viscosity variation in the crust beneath the western North Anatolian Fault. Journal of Geodynamics, 2015, 88, 80-89.	0.7	3
26	The influence of elastic thickness non-uniformity on viscoelastic crustal response to magma emplacement: application to the Kutcharo caldera, eastern Hokkaido, Japan. Geophysical Journal International, 2020, 224, 701-718.	1.0	3
27	Crustal Deformation Infers a Magma Chamber. Journal of Geography (Chigaku Zasshi), 2018, 127, 111-138.	0.1	3
28	Variable inflation rate of a magmatic deformation source beneath Aira caldera after the 1914 eruption of Sakurajima volcano: Inferences from a linear Maxwell viscoelastic model constrained by geodetic data. Journal of Volcanology and Geothermal Research, 2022, 421, 107446.	0.8	1