

Hitoshi Kawakatsu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,620
citations

623734

14
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1736
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic Evidence for Deep-Water Transportation in the Mantle. <i>Science</i> , 2007, 316, 1468-1471.	12.6	505
2	Seismic Evidence for Sharp Lithosphere-Asthenosphere Boundaries of Oceanic Plates. <i>Science</i> , 2009, 324, 499-502.	12.6	466
3	Imaging the seismic lithosphere-asthenosphere boundary of the oceanic plate. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	97
4	Subduction of oceanic asthenosphere: Evidence from sub-slab seismic anisotropy. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	82
5	Detection of a crack-like conduit beneath the active crater at Aso Volcano Japan. <i>Geophysical Research Letters</i> , 1999, 26, 3677-3680.	4.0	73
6	10s-period volcanic tremors observed over a wide area in southwestern Japan. <i>Geophysical Research Letters</i> , 1994, 21, 1963-1966.	4.0	57
7	Seismic and Electrical Signatures of the Lithosphere-Asthenosphere System of the Normal Oceanic Mantle. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 139-167.	11.0	56
8	Subduction of oceanic asthenosphere: A critical appraisal in central Alaska. <i>Earth and Planetary Science Letters</i> , 2013, 367, 82-94.	4.4	38
9	In Situ Characterization of the Lithosphere-Asthenosphere System beneath NW Pacific Ocean Via Broadband Dispersion Survey With Two OBS Arrays. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 3529-3539.	2.5	29
10	A new fifth parameter for transverse isotropy. <i>Geophysical Journal International</i> , 2016, 204, 682-685.	2.4	25
11	Determination of intrinsic attenuation in the oceanic lithosphere-asthenosphere system. <i>Science</i> , 2017, 358, 1593-1596.	12.6	24
12	Surface wave tomography for the Pacific Ocean incorporating seafloor seismic observations and plate thermal evolution. <i>Earth and Planetary Science Letters</i> , 2019, 510, 116-130.	4.4	24
13	Estimating high frequency energy radiation of large earthquakes by image deconvolution back-projection. <i>Earth and Planetary Science Letters</i> , 2016, 449, 155-163.	4.4	23
14	Backprojection analyses from four regional arrays for rupture over a curved dipping fault: The Mw 7.7 24 September 2013 Pakistan earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 1948-1961.	3.4	16
15	Automated determination of magnitude and source length of large earthquakes using backprojection and P wave amplitudes. <i>Geophysical Research Letters</i> , 2017, 44, 5447-5456.	4.0	14
16	Radial and Azimuthal Anisotropy Tomography of the NE Japan Subduction Zone: Implications for the Pacific Slab and Mantle Wedge Dynamics. <i>Geophysical Research Letters</i> , 2018, 45, 3923-3931.	4.0	14
17	A fluid-rich layer along the Nankai trough megathrust fault off the Kii Peninsula inferred from receiver function inversion. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6524-6537.	3.4	13
18	Non-linear waveform analysis for water-layer response and its application to high-frequency receiver function analysis using OBS array. <i>Geophysical Journal International</i> , 2016, 206, 1914-1920.	2.4	12

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19	Comment on “Nature of the Seismic Lithosphere–Asthenosphere Boundary within Normal Oceanic Mantle from High–Resolution Receiver Functions” by Olugboji et al.. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3488-3492.	2.5	11
20	Receiver Function Imaging of the Amphibious NE Japan Subduction Zone—Effects of Low–Velocity Sediment Layer. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021918.	3.4	9
21	A Sharp Structural Boundary in Lowermost Mantle Beneath Alaska Detected by Core Phase Differential Travel Times for the Anomalous South Sandwich Islands to Alaska Path. <i>Geophysical Research Letters</i> , 2018, 45, 176-184.	4.0	7
22	Persistent Long–Period Signals Recorded by an OBS Array in the Western–Central Pacific: Activity of Ambrym Volcano in Vanuatu. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089108.	4.0	7
23	Inversion of Longer–Period OBS Waveforms for P Structures in the Oceanic Lithosphere and Asthenosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018810.	3.4	6
24	Sharpness of the hemispherical boundary in the inner core beneath the northern Pacific. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115796.	4.4	5
25	A New Reference Model for the Evolution of Oceanic Lithosphere in a Cooling Earth. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021528.	3.4	5
26	Unexpected Consequences of Transverse Isotropy. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 129-138.	2.3	2
27	<i>Erratum to</i> Unexpected Consequences of Transverse Isotropy. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1190-1190.	2.3	0