

Ivan Koulakov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11197861/publications.pdf>

Version: 2024-02-01

46
papers

1,656
citations

257450

24
h-index

302126

39
g-index

47
all docs

47
docs citations

47
times ranked

1325
citing authors

#	ARTICLE	IF	CITATIONS
1	Anatomy of the Bezymianny volcano merely before an explosive eruption on 20.12.2017. Scientific Reports, 2021, 11, 1758.	3.3	19
2	Sources of the eruption of Kambalny volcano (Southern Kamchatka) in March 2017 inferred from local earthquake tomography. Journal of Volcanology and Geothermal Research, 2021, 420, 107392.	2.1	4
3	Seismic Tomography of Volcanoes. , 2021, , 1-18.		8
4	Mantle and Crustal Sources of Magmatic Activity of Klyuchevskoy and Surrounding Volcanoes in Kamchatka Inferred From Earthquake Tomography. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020097.	3.4	29
5	Ongoing formation of felsic lower crustal channel by relamination in Zagros collision zone revealed from regional tomography. Scientific Reports, 2020, 10, 8224.	3.3	9
6	Magmatic and Sedimentary Structure beneath the Klyuchevskoy Volcanic Group, Kamchatka, From Ambient Noise Tomography. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018900.	3.4	23
7	Unrest of the Udina volcano in Kamchatka inferred from the analysis of seismicity and seismic tomography. Journal of Volcanology and Geothermal Research, 2019, 379, 45-59.	2.1	21
8	Numerical modelling of seismic waves from earthquakes recorded by a network on ice floes. Geophysical Journal International, 2019, 218, 74-87.	2.4	5
9	Evolution of the Magma Conduit Beneath the Galeras Volcano Inferred From Repeated Seismic Tomography. Geophysical Research Letters, 2018, 45, 7514-7522.	4.0	16
10	Breathing of the Nevado del Ruiz volcano reservoir, Colombia, inferred from repeated seismic tomography. Scientific Reports, 2017, 7, 46094.	3.3	49
11	Three different types of plumbing system beneath the neighboring active volcanoes of Tolbachik, Bezymianny, and Klyuchevskoy in Kamchatka. Journal of Geophysical Research: Solid Earth, 2017, 122, 3852-3874.	3.4	53
12	Pathways of volatile migration in the crust beneath Harrat Lunayyir (Saudi Arabia) during the unrest in 2009 revealed by attenuation tomography. Journal of Volcanology and Geothermal Research, 2017, 330, 1-13.	2.1	5
13	Focused magmatism beneath Uturuncu volcano, Bolivia: Insights from seismic tomography and deformation modeling. , 2017, 13, 1855-1866.		17
14	Structure of Volatile Conduits beneath Gorely Volcano (Kamchatka) Revealed by Local Earthquake Tomography. Geosciences (Switzerland), 2017, 7, 111.	2.2	25
15	Seismic structure beneath the Gulf of Aqaba and adjacent areas based on the tomographic inversion of regional earthquake data. Solid Earth, 2016, 7, 965-978.	2.8	16
16	Application of repeated passive source travel time tomography to reveal weak velocity changes related to the 2011 Tohoku earthquake. Journal of Geophysical Research: Solid Earth, 2016, 121, 4408-4426.	3.4	9
17	The feeder system of the Toba supervolcano from the slab to the shallow reservoir. Nature Communications, 2016, 7, 12228.	12.8	47
18	Evidence for anomalous mantle upwelling beneath the Arabian Platform from travel time tomography inversion. Tectonophysics, 2016, 667, 176-188.	2.2	29

#	ARTICLE	IF	CITATIONS
19	Three-dimensional seismic anisotropy in the crust and uppermost mantle beneath the Taiwan area revealed by passive source tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7814-7829.	3.4	14
20	Structural cause of a missed eruption in the Harrat Lunayyir basaltic field (Saudi Arabia) in 2009. <i>Geology</i> , 2015, 43, 395-398.	4.4	30
21	Anisotropic tomography of Hokkaido reveals delamination-induced flow above a subducting slab. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 3219-3239.	3.4	27
22	Seismic Tomography of Volcanoes. , 2015, , 3117-3134.		6
23	4D Arctic: A Glimpse into the Structure and Evolution of the Arctic in the Light of New Geophysical Maps, Plate Tectonics and Tomographic Models. <i>Surveys in Geophysics</i> , 2014, 35, 1095-1122.	4.6	70
24	Seismic structure changes beneath Redoubt Volcano during the 2009 eruption inferred from local earthquake tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4938-4954.	3.4	36
25	Fluid ascent and magma storage beneath Gunung Merapi revealed by multi-scale seismic imaging. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 261, 7-19.	2.1	34
26	Rapid changes in magma storage beneath the Klyuchevskoy group of volcanoes inferred from time-dependent seismic tomography. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 263, 75-91.	2.1	100
27	Studying deep sources of volcanism using multiscale seismic tomography. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 257, 205-226.	2.1	21
28	Fluid ascent during the 2004-2005 unrest at Mt. Spurr inferred from seismic tomography. <i>Geophysical Research Letters</i> , 2013, 40, 4579-4582.	4.0	45
29	Multiscale Seismic Tomography Imaging of Volcanic Complexes. , 2012, , .		4
30	High-frequency <i>P</i> and <i>S</i> velocity anomalies in the upper mantle beneath Asia from inversion of worldwide traveltimes. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	115
31	Feeding volcanoes of the Kluchevskoy group from the results of local earthquake tomography. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	63
32	Finding a realistic velocity distribution based on iterating forward modelling and tomographic inversion. <i>Geophysical Journal International</i> , 2011, 186, 349-358.	2.4	3
33	Evidence for high fluid/melt content beneath Krakatau volcano (Indonesia) from local earthquake tomography. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 206, 96-105.	2.1	38
34	Creating realistic models based on combined forward modeling and tomographic inversion of seismic profiling data. <i>Geophysics</i> , 2010, 75, B115-B136.	2.6	18
35	Delamination or slab detachment beneath Vrancea? New arguments from local earthquake tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	55
36	Upper mantle structure beneath the Siberian craton and surrounding areas based on regional tomographic inversion of P and PP travel times. <i>Tectonophysics</i> , 2010, 486, 81-100.	2.2	44

#	ARTICLE	IF	CITATIONS
37	<i>P</i> , <i>S</i> velocity and V_P/V_S ratio beneath the Toba caldera complex (Northern Sumatra) from local earthquake tomography. <i>Geophysical Journal International</i> , 2009, 177, 1121-1139.	2.4	63
38	Anisotropic structure beneath central Java from local earthquake tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	61
39	Seismic tomographic imaging of <i>P</i> - and <i>S</i> -waves velocity perturbations in the upper mantle beneath Iran. <i>Geophysical Journal International</i> , 2007, 169, 1089-1102.	2.4	80
40	Teleseismic tomography reveals no signature of the Dead Sea Transform in the upper mantle structure. <i>Earth and Planetary Science Letters</i> , 2006, 252, 189-200.	4.4	20
41	Moho depth and three-dimensional <i>P</i> and <i>S</i> structure of the crust and uppermost mantle in the Eastern Mediterranean and Middle East derived from tomographic inversion of local ISC data. <i>Geophysical Journal International</i> , 2006, 164, 218-235.	2.4	77
42	<i>P</i> - and <i>S</i> -velocity images of the lithosphere-asthenosphere system in the Central Andes from local-source tomographic inversion. <i>Geophysical Journal International</i> , 2006, 167, 106-126.	2.4	62
43	Mechanism of the Andean Orogeny: Insight from Numerical Modeling. , 2006, , 513-535.		50
44	Structure and dynamics of the upper mantle beneath the Alpine-Himalayan orogenic belt, from teleseismic tomography. <i>Tectonophysics</i> , 2002, 358, 77-96.	2.2	48
45	Three-dimensional seismic structure of the upper mantle beneath the central part of the Eurasian continent. <i>Geophysical Journal International</i> , 1998, 133, 467-489.	2.4	22
46	Velocity structure around the Baikal rift zone from teleseismic and local earthquake traveltimes and geodynamic implications. <i>Tectonophysics</i> , 1998, 296, 125-144.	2.2	64