

Timo Tiira

List of Publications by Year in descending order

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63
papers

2,624
citations

159585

30
h-index

189892

50
g-index

67
all docs

67
docs citations

67
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	The Moho depth map of the European Plate. <i>Geophysical Journal International</i> , 2009, 176, 279-292.	2.4	328
2	POLONAISE '97 – an international seismic experiment between Precambrian and Variscan Europe in Poland. <i>Tectonophysics</i> , 1999, 314, 101-121.	2.2	133
3	Crustal structure of the Trans-European suture zone region along POLONAISE'97 seismic profile P4. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	117
4	Lithospheric structure beneath trans-Carpathian transect from Precambrian platform to Pannonian basin: CELEBRATION 2000 seismic profile CEL05. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	113
5	Crustal structure due to collisional and escape tectonics in the Eastern Alps region based on profiles Alp01 and Alp02 from the ALP 2002 seismic experiment. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	92
6	Special Contribution: CELEBRATION 2000 Seismic Experiment. <i>Studia Geophysica Et Geodaetica</i> , 2003, 47, 659-669.	0.5	88
7	Crust and upper mantle structure along the DSS Baltic profile in SE Finland. <i>Geophysical Journal International</i> , 1990, 101, 89-110.	2.4	85
8	EUROBRIDGE: new insight into the geodynamic evolution of the East European Craton. <i>Geological Society Memoir</i> , 2006, 32, 599-625.	1.7	84
9	Automatic classification of seismic events within a regional seismograph network. <i>Computers and Geosciences</i> , 2016, 87, 22-30.	4.2	82
10	Crustal structure across the TESZ along POLONAISE'97 seismic profile P2 in NW Poland. <i>Tectonophysics</i> , 2002, 360, 129-152.	2.2	78
11	Lower lithospheric structure beneath the Trans-European Suture Zone from POLONAISE'97 seismic profiles. <i>Tectonophysics</i> , 2002, 360, 153-168.	2.2	67
12	Crustal structure of the Mid-Polish Trough beneath the Teisseyre – Tornquist Zone seismic profile. <i>Tectonophysics</i> , 1999, 314, 145-160.	2.2	65
13	2-D seismic tomographic and ray tracing modelling of the crustal structure across the Sudetes Mountains basing on SUDETES 2003 experiment data. <i>Tectonophysics</i> , 2006, 413, 249-269.	2.2	63
14	Upper lithospheric seismic velocity structure across the Pripyat Trough and the Ukrainian Shield along the EUROBRIDGE'97 profile. <i>Tectonophysics</i> , 2003, 371, 41-79.	2.2	62
15	Seismic velocity structure across the Fennoscandia – Sarmatia suture of the East European Craton beneath the EUROBRIDGE profile through Lithuania and Belarus. <i>Tectonophysics</i> , 1999, 314, 193-217.	2.2	60
16	Crustal structure of the Western Carpathians and Pannonian Basin: Seismic models from CELEBRATION 2000 data and geological implications. <i>Journal of Geodynamics</i> , 2011, 52, 97-113.	1.6	55
17	Special Contribution: An Overview of Recent Seismic Refraction Experiments in Central Europe. <i>Studia Geophysica Et Geodaetica</i> , 2003, 47, 651-657.	0.5	52
18	Seismic velocity model of the crust and upper mantle along profile PANCAKE across the Carpathians between the Pannonian Basin and the East European Craton. <i>Tectonophysics</i> , 2013, 608, 1049-1072.	2.2	51

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19	P- and S-wave velocity model of the southwestern margin of the Precambrian East European Craton; POLONAISE'97, profile P3. <i>Tectonophysics</i> , 1999, 314, 175-192.	2.2	50
20	PASSEQ 2006â€“2008: Passive seismic experiment in Trans-European Suture Zone. <i>Studia Geophysica Et Geodaetica</i> , 2008, 52, 439-448.	0.5	50
21	Special Contribution: ALP 2002 Seismic Experiment. <i>Studia Geophysica Et Geodaetica</i> , 2003, 47, 671-679.	0.5	49
22	Detecting teleseismic events using artificial neural networks. <i>Computers and Geosciences</i> , 1999, 25, 929-938.	4.2	47
23	Lithospheric structure of the Trans-European Suture Zone along the TTâ€“CEL03 seismic transect (from NW to SE Poland). <i>Tectonophysics</i> , 2005, 411, 129-156.	2.2	46
24	From the Variscan to the Alpine Orogeny: crustal structure of the Bohemian Massif and the Western Carpathians in the light of the SUDETES 2003 seismic data. <i>Geophysical Journal International</i> , 2010, 183, 611-633.	2.4	43
25	The European Arctic: A Laboratory for Seismoacoustic Studies. <i>Seismological Research Letters</i> , 2015, 86, 917-928.	1.9	43
26	EUROBRIDGE'95: deep seismic profiling within the East European Craton. <i>Tectonophysics</i> , 2001, 339, 153-175.	2.2	42
27	Seismic model of the crust and upper mantle in the Scythian Platform: the DOBRE-5 profile across the north western Black Sea and the Crimean Peninsula. <i>Geophysical Journal International</i> , 2015, 201, 406-428.	2.4	39
28	Crustal structure of the Eastern Alps and their foreland: seismic model beneath the CEL10/Alp04 profile and tectonic implications. <i>Geophysical Journal International</i> , 2009, 177, 279-295.	2.4	38
29	Moho depth across the Trans-European Suture Zone from P- and S-receiver functions. <i>Geophysical Journal International</i> , 2014, 197, 1048-1075.	2.4	33
30	Three-dimensional seismic modelling of crustal structure in the TESZ region based on POLONAISE'97 data. <i>Tectonophysics</i> , 2002, 360, 169-185.	2.2	31
31	3D structure of the Earth's crust beneath the northern part of the Bohemian Massif. <i>Tectonophysics</i> , 2007, 437, 17-36.	2.2	29
32	Tracing the influence of the Trans-European Suture Zone into the mantle transition zone. <i>Earth and Planetary Science Letters</i> , 2013, 363, 73-87.	4.4	29
33	Mesozoic(?) lithosphere-scale buckling of the East European Craton in southern Ukraine: DOBRE-4 deep seismic profile. <i>Geophysical Journal International</i> , 2013, 195, 740-766.	2.4	29
34	The 2003 earthquake swarm in Anjalankoski, south-eastern Finland. <i>Tectonophysics</i> , 2006, 422, 55-69.	2.2	27
35	Discrimination of nuclear explosions and earthquakes from teleseismic distances with a local network of short period seismic stations using artificial neural networks. <i>Physics of the Earth and Planetary Interiors</i> , 1996, 97, 247-268.	1.9	26
36	Upper crustal seismic structure of the Mazury complex and Mazowsze massif within East European Craton in NE Poland. <i>Tectonophysics</i> , 2002, 360, 115-128.	2.2	26

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37	A tomographic crustal velocity model of the central Fennoscandian Shield. <i>Geophysical Journal International</i> , 2007, 168, 1210-1226.	2.4	25
38	The 2018 Geothermal Reservoir Stimulation in Espoo/Helsinki, Southern Finland: Seismic Network Anatomy and Data Features. <i>Seismological Research Letters</i> , 2020, 91, 770-786.	1.9	22
39	Moho depth of the European Plate from teleseismic receiver functions. <i>Journal of Seismology</i> , 2012, 16, 95-105.	1.3	21
40	Regional and teleseismic events recorded across the TESZ during POLONAISE'97. <i>Tectonophysics</i> , 1999, 314, 161-174.	2.2	19
41	Mantle lithosphere transition from the East European Craton to the Variscan Bohemian Massif imaged by shear-wave splitting. <i>Solid Earth</i> , 2014, 5, 779-792.	2.8	17
42	Crustal seismic structure and depth distribution of earthquakes in the Archean Kuusamo region, Fennoscandian Shield. <i>Journal of Geodynamics</i> , 2012, 53, 61-80.	1.6	16
43	Lithospheric structure along wide-angle seismic profile GEORIFT 2013 in Pripjatâ€“Dnieperâ€“Donets Basin (Belarus and Ukraine). <i>Geophysical Journal International</i> , 2018, 212, 1932-1962.	2.4	16
44	Seismic lithosphereâ€“asthenosphere boundary beneath the Baltic Shield. <i>Gff</i> , 2014, 136, 581-598.	1.2	15
45	Upper mantle structure around the Trans-European Suture Zone obtained by teleseismic tomography. <i>Solid Earth</i> , 2015, 6, 73-91.	2.8	14
46	Heat flow, seismic cut-off depth and thermal modeling of the Fennoscandian Shield. <i>Geophysical Journal International</i> , 2017, 211, 1414-1427.	2.4	14
47	Wide-angle observations of ALP 2002 shots on the TRANSALP profile: Linking the two DSS projects. <i>Tectonophysics</i> , 2006, 414, 71-78.	2.2	10
48	Crustal Architecture of the Inverted Central Lapland Rift Along the HUKKA 2007 Profile. <i>Pure and Applied Geophysics</i> , 2014, 171, 1129-1152.	1.9	10
49	Local seismic network for monitoring of a potential nuclear power plant area. <i>Journal of Seismology</i> , 2016, 20, 397-417.	1.3	10
50	The Finnish National Seismic Network: Toward Fully Automated Analysis of Low-Magnitude Seismic Events. <i>Seismological Research Letters</i> , 2021, 92, 1581-1591.	1.9	9
51	A benchmark case study for seismic event relative location. <i>Geophysical Journal International</i> , 2020, 223, 1313-1326.	2.4	7
52	Full-Scale Crustal Interpretation of Kokkolaâ€“Kymi (KOKKY) Seismic Profile, Fennoscandian Shield. <i>Pure and Applied Geophysics</i> , 2020, 177, 3775-3795.	1.9	7
53	Locating regional seismic events with global optimization based on interval arithmetic. <i>Geophysical Journal International</i> , 1999, 138, 879-885.	2.4	6
54	Variations in lithospheric structure across the margin of Baltica in Central Europe and the role of the Variscan and Carpathian orogenies. <i>Memoir of the Geological Society of America</i> , 2007, , 341-356.	0.5	6

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55	Traces of the crustal units and the upper-mantle structure in the southwestern part of the East European Craton. <i>Solid Earth</i> , 2014, 5, 821-836.	2.8	6
56	Optimal configuration of a micro-earthquake network. <i>Advances in Geosciences</i> , 0, 34, 33-36.	12.0	5
57	Slowness vector correction for teleseismic events with artificial neural networks. <i>Physics of the Earth and Planetary Interiors</i> , 1999, 112, 101-109.	1.9	4
58	Examining Three-dimensional Crustal Heterogeneity in Finland. <i>Eos</i> , 2009, 90, 129-130.	0.1	4
59	Study of Local Seismic Events in Lithuania and Adjacent Areas Using Data from the PASSEQ Experiment. <i>Pure and Applied Geophysics</i> , 2013, 170, 797-814.	1.9	2
60	Crustal and upper mantle velocity model along the DOBRE-4 profile from North Dobruja to the central region of the Ukrainian Shield: 2. geotectonic interpretation. <i>Izvestiya, Physics of the Solid Earth</i> , 2017, 53, 205-213.	0.9	2
61	Crustal and upper mantle velocity model along the DOBRE-4 profile from North Dobruja to the central region of the Ukrainian Shield: 1. seismic data. <i>Izvestiya, Physics of the Solid Earth</i> , 2017, 53, 193-204.	0.9	2
62	Automatic data processing and analysis system for monitoring region around a planned nuclear power plant. <i>Advances in Geosciences</i> , 0, 41, 73-81.	12.0	1
63	Discrimination of teleseismic events in Central Asia with a local network of short period stations. <i>Annals of Geophysics</i> , 1994, 37, .	1.0	0