

Sri Widiyantoro

List of Publications by Citations

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115
papers

3,411
citations

25
h-index

57
g-index

138
ext. papers

3,965
ext. citations

3.3
avg, IF

5.23
L-index

#	Paper	IF	Citations
115	Evidence for deep mantle circulation from global tomography. <i>Nature</i> , 1997 , 386, 578-584	50.4	1026
114	Stagnant slabs in the upper and lower mantle transition region. <i>Reviews of Geophysics</i> , 2001 , 39, 291-323	23.1	509
113	Joint seismic tomography for bulk sound and shear wave speed in the Earth's mantle. <i>Journal of Geophysical Research</i> , 1998 , 103, 12469-12493		199
112	Structure and Evolution of Lithospheric Slab Beneath the Sunda Arc, Indonesia. <i>Science</i> , 1996 , 271, 1566-1570	35.3	174
111	Mantle structure beneath Indonesia inferred from high-resolution tomographic imaging. <i>Geophysical Journal International</i> , 1997 , 130, 167-182	2.6	143
110	A low seismic wavespeed anomaly beneath northwestern India: a seismic signature of the Deccan plume?. <i>Earth and Planetary Science Letters</i> , 1999 , 165, 145-155	5.3	131
109	Seismic tomography with P and S data reveals lateral variations in the rigidity of deep slabs. <i>Earth and Planetary Science Letters</i> , 1999 , 173, 91-100	5.3	91
108	Teleseismic double-difference relocation of earthquakes along the Sumatra-Andaman subduction zone using a 3-D model. <i>Journal of Geophysical Research</i> , 2010 , 115,		85
107	Signature of remnant slabs in the North Pacific from P-wave tomography. <i>Geophysical Journal International</i> , 2000 , 142, 27-36	2.6	81
106	Improving global shear wave travelttime tomography using three-dimensional ray tracing and iterative inversion. <i>Geophysical Journal International</i> , 2000 , 141, 747-758	2.6	64
105	Complex slab subduction beneath northern Sumatra. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	52
104	Upper crustal structure of central Java, Indonesia, from transdimensional seismic ambient noise tomography. <i>Geophysical Journal International</i> , 2014 , 197, 630-635	2.6	43
103	Imaging architecture of the Jakarta Basin, Indonesia with transdimensional inversion of seismic noise. <i>Geophysical Journal International</i> , 2016 , 204, 918-931	2.6	37
102	Application of a three-dimensional ray-tracing technique to global P, PP and Pdiff travelttime tomography. <i>Geophysical Journal International</i> , 2001 , 146, 583-593	2.6	37
101	Source Model for the Tsunami Inside Palu Bay Following the 2018 Palu Earthquake, Indonesia. <i>Geophysical Research Letters</i> , 2019 , 46, 8721-8730	4.9	36
100	Extending shear-wave tomography for the lower mantle using S and SKS arrival-time data. <i>Earth, Planets and Space</i> , 1998 , 50, 999-1012	2.9	36
99	Seismic evidence for a mantle plume oceanwards of the Kamchatka-Aleutian trench junction. <i>Geophysical Journal International</i> , 2001 , 146, 282-288	2.6	35

98	The 17 July 2006 Tsunami Earthquake in West Java, Indonesia. <i>Seismological Research Letters</i> , 2007 , 78, 201-207	3	29
97	Subducting slab structure below the eastern Sunda arc inferred from non-linear seismic tomographic imaging. <i>Geological Society Special Publication</i> , 2011 , 355, 139-155	1.7	28
96	The 2016 Mw $\bar{6}$.5 Pidie Jaya, Aceh, North Sumatra, Earthquake: Reactivation of an Unidentified Sinistral Fault in a Region of Distributed Deformation. <i>Seismological Research Letters</i> , 2018 , 89, 1761-1772	2.2	27
95	Deep subduction and aspherical variations in P-wavespeed at the base of Earth's mantle. <i>Geodynamic Series</i> , 1998 , 5-20		26
94	Development of the 2017 national seismic hazard maps of Indonesia. <i>Earthquake Spectra</i> , 2020 , 36, 112-136	1.36	26
93	Implications for megathrust earthquakes and tsunamis from seismic gaps south of Java Indonesia. <i>Scientific Reports</i> , 2020 , 10, 15274	4.9	26
92	Improving depth resolution of teleseismic tomography by simultaneous inversion of teleseismic and global P-wave traveltimes data-application to the Vrancea region in Southeastern Europe. <i>Geophysical Journal International</i> , 2005 , 162, 811-823	2.6	25
91	Active tectonic deformation in Java, Indonesia inferred from a GPS-derived strain rate. <i>Journal of Geodynamics</i> , 2019 , 123, 49-54	2.2	25
90	Identification of active faults in West Java, Indonesia, based on earthquake hypocenter determination, relocation, and focal mechanism analysis. <i>Geoscience Letters</i> , 2018 , 5,	3.5	25
89	Seismic imaging and petrology explain highly explosive eruptions of Merapi Volcano, Indonesia. <i>Scientific Reports</i> , 2018 , 8, 13656	4.9	24
88	Relocated aftershocks and background seismicity in eastern Indonesia shed light on the 2018 Lombok and Palu earthquake sequences. <i>Geophysical Journal International</i> , 2020 , 221, 1845-1855	2.6	20
87	Sharpening the tomographic image of the subducting slab below Sumatra, the Andaman Islands and Burma. <i>Geophysical Journal International</i> , 2010 , no-no	2.6	20
86	Hypocenter Relocation along the Sunda Arc in Indonesia, Using a 3D Seismic-Velocity Model. <i>Seismological Research Letters</i> , 2018 , 89, 603-612	3	20
85	Stress heterogeneity and its impact on seismicity pattern along the equatorial bifurcation zone of the Great Sumatran Fault, Indonesia. <i>Journal of Asian Earth Sciences</i> , 2018 , 164, 1-8	2.8	15
84	Preliminary results of teleseismic double-difference relocation of earthquakes around Indonesian archipelago region 2015 ,		12
83	Coseismic Slip Distribution of the 2 July 2013 Mw $\bar{6}$.1 Aceh, Indonesia, Earthquake and Its Tectonic Implications. <i>Bulletin of the Seismological Society of America</i> , 2018 , 108, 1918-1928	2.3	12
82	Relocation of hypocenters from DOMERAPI and BMKG networks: a preliminary result from DOMERAPI project. <i>Earthquake Science</i> , 2017 , 30, 67-79	1.5	11
81	P and S wave travel time tomography of the SE Asia-Australia collision zone. <i>Physics of the Earth and Planetary Interiors</i> , 2019 , 293, 106267	2.3	11

80	Fault source of the 2 September 2009 Mw 6.8 Tasikmalaya intraslab earthquake, Indonesia: Analysis from GPS data inversion, tsunami height simulation, and stress transfer. <i>Physics of the Earth and Planetary Interiors</i> , 2019 , 291, 54-61	2.3	11
79	Seismic Velocity Structures beneath the Guntur Volcano Complex, West Java, Derived from Simultaneous Tomographic Inversion and Hypocenter Relocation. <i>Journal of Mathematical and Fundamental Sciences</i> , 2013 , 45, 17-28	1.7	11
78	Identifying the most explainable fault ruptured of the 2018 Palu-Donggala earthquake in Indonesia using coulomb failure stress and geological field report. <i>Geodesy and Geodynamics</i> , 2020 , 11, 252-257	1.8	10
77	Imaging of upper crustal structure beneath East JavaBali, Indonesia with ambient noise tomography. <i>Geoscience Letters</i> , 2017 , 4,	3.5	10
76	Hypocenter and Magnitude Analysis of Aftershocks of the 2018 Lombok, Indonesia, Earthquakes Using Local Seismographic Networks. <i>Seismological Research Letters</i> , 2020 , 91, 2152-2162	3	9
75	Fate of Forearc Lithosphere at Arc-Continent Collision Zones: Evidence From Local Earthquake Tomography of the Sunda-Banda Arc Transition, Indonesia. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086472	4.9	8
74	Hypocenter relocation using a fast grid search method and a 3-D seismic velocity model for the Sumatra region 2013 ,		8
73	Complex structure of the lithospheric slab beneath the Banda arc, eastern Indonesia depicted by a seismic tomographic model. <i>Research in Geophysics</i> , 2011 , 1, 1		8
72	Note on seismicity of the Bali convergent region in the eastern Sunda Arc, Indonesia. <i>Australian Journal of Earth Sciences</i> , 2005 , 52, 379-383	1.4	8
71	Unexpected earthquake of June 25th, 2015 in Madiun, East Java 2016 ,		8
70	Geochemistry and Structure of Krakatoa Volcano in the Sunda Strait, Indonesia. <i>Geosciences (Switzerland)</i> , 2018 , 8, 111	2.7	7
69	Development of an engineering bedrock map beneath Jakarta based on microtremor array measurements. <i>Geological Society Special Publication</i> , 2017 , 441, 153-165	1.7	7
68	Preliminary Estimation of Engineering Bedrock Depths from Microtremor Array Measurements in Solo, Central Java, Indonesia. <i>Journal of Mathematical and Fundamental Sciences</i> , 2017 , 49, 306	1.7	7
67	Source mechanism and triggered large aftershocks of the Mw 6.5 Ambon, Indonesia earthquake. <i>Tectonophysics</i> , 2021 , 799, 228709	3.1	7
66	Detailed seismic imaging of Merapi volcano, Indonesia, from local earthquake travel-time tomography. <i>Journal of Asian Earth Sciences</i> , 2019 , 177, 134-145	2.8	6
65	Critical point on housing construction, resilience and family subjective welfare after disaster: Notes from the Lombok, Indonesia, earthquake sequence of July-August 2018. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 922-938	3.6	6
64	Identification of Engineering Bedrock in Jakarta by Using Array Observations of Microtremors. <i>Procedia Earth and Planetary Science</i> , 2015 , 12, 77-83		5
63	Hypocenter relocation of the aftershocks of the Poso, Sulawesi (Mw 6.6, May 29, 2017) event using the BMKG network data 2018 ,		5

62	Hypocenter relocation of earthquake swarm around Jailolo volcano, North Molucca, Indonesia using the BMKG network data: Time periods of September 27-October 10, 2017 2018 ,		5
61	Effect of coseismic and postseismic deformation on homogeneous and layered half-space and spherical analysis: Model simulation of the 2006 Java, Indonesia, tsunami earthquake. <i>Journal of Applied Geodesy</i> , 2017 , 11,	0.9	5
60	Fault source investigation of the 6 December 2016 Mw 6.5 Pidie Jaya, Indonesia, earthquake based on GPS and its implications of the geological survey result. <i>Journal of Applied Geodesy</i> , 2020 , 14, 405-412 ^{0.9}		5
59	Analysis of Mw 7.2 2014 Molucca Sea earthquake and its aftershocks 2016 ,		5
58	Analysis of spatiotemporal variation in b-value for the Sunda arc using high precision earthquake location 2016 ,		5
57	Crustal thickness beneath Mt. Merapi and Mt. Merbabu, Central Java, Indonesia, inferred from receiver function analysis. <i>Physics of the Earth and Planetary Interiors</i> , 2020 , 302, 106455	2.3	5
56	Subducted Lithospheric Boundary Tomographically Imaged Beneath Arc-Continent Collision in Eastern Indonesia. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018854	3.6	4
55	Direct Inversion of S-P Differential Arrival Times for Ratio in SE Asia. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB019152	3.6	4
54	Subsurface Structure Interpretation Beneath of Mt. Pandan Based on Gravity Data. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012038	0.3	4
53	Banda Arc Experiment Transitions in the Banda Arc-Australian Continental Collision. <i>Seismological Research Letters</i> , 2016 , 87, 1417-1423	3	4
52	Hypocenter relocation of the aftershocks of the Mw 7.5 Palu earthquake (September 28, 2018) and swarm earthquakes of Mamasa, Sulawesi, Indonesia, using the BMKG network data. <i>Geoscience Letters</i> , 2019 , 6,	3.5	4
51	Thermal squeezing of the seismogenic zone controlled rupture of the volcano-rooted Flores Thrust. <i>Science Advances</i> , 2021 , 7,	14.3	4
50	Earthquake swarm analysis around Bekantan area, North Sumatra, Indonesia using the BMKG network data: Time periods of February 29, 2015 to July 10, 2017 2018 ,		3
49	Hypocenter Relocation of Earthquake Swarm in West Halmahera, North Molucca Region, Indonesia by using Double-Difference Method and 3D Seismic Velocity Structure. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012053	0.3	3
48	Preliminary result of teleseismic double-difference relocation of earthquakes in the Molucca collision zone with a 3D velocity model 2015 ,		3
47	Past Earthquakes in Indonesia and New Seismic Hazard Maps for Earthquake Design of Buildings and Infrastructures. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2013 , 33-46	0.2	3
46	Local earthquake tomography of the source region of the 2018 Lombok earthquake sequence, Indonesia. <i>Geophysical Journal International</i> , 2021 , 226, 1814-1823	2.6	3
45	Foreshock Mainshock Aftershock sequence analysis of the 14 January 2021 (Mw 6.2) Mamuju Majene (West Sulawesi, Indonesia) earthquake. <i>Earth, Planets and Space</i> , 2021 , 73,	2.9	3

44	Shallow Shear-Wave Velocity Beneath Jakarta, Indonesia Revealed by Body-Wave Polarization Analysis. <i>Geosciences (Switzerland)</i> , 2019 , 9, 386	2.7	2
43	Tomographic Imaging of the Agung-Batur Volcano Complex, Bali, Indonesia, From the Ambient Seismic Noise Field. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	2
42	Hypocenter Determination Using a Non-Linear Method for Events in West Java, Indonesia: A Preliminary Result. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012052	0.3	2
41	Recent destructive earthquakes around Garut area, West Java, Indonesia: An unidentified fault? 2018 ,		2
40	Shear wave velocity structure beneath Bandung basin, West Java, Indonesia from ambient noise tomography. <i>Geophysical Journal International</i> , 2019 ,	2.6	2
39	Site Characterization Using Microtremor Array and Seismic Hazard Assessment for Jakarta, Indonesia. <i>Bulletin of the Seismological Society of America</i> , 2019 , 109, 2644-2657	2.3	2
38	Earthquake location determination using data from DOMERAPI and BMKG seismic networks: A preliminary result of DOMERAPI project 2015 ,		2
37	Complex Morphology of Subducted Lithosphere in the Mantle below the Molucca Collision Zone from Non-linear Seismic Tomography. <i>ITB Journal of Engineering Science</i> , 2003 , 35, 1-10		2
36	Western Java Ambient Noise Tomography: A Preliminary Result. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012099	0.3	1
35	Recent Efforts to Mitigate the Impacts of Earthquake Hazard in Indonesia from Geotechnical Engineering Perspective. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2018 , 131-150	0.2	1
34	Characteristics of seismic noise in Central Java, Indonesia 2016 ,		1
33	Impact of The 2004 Sumatra-Andaman Earthquake to The Stress Heterogeneity and Seismicity Pattern in Northern Sumatra, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 318, 012010	0.3	1
32	Group velocity maps using subspace and Trans-dimensional inversions: ambient noise tomography in the Western part of Java, Indonesia. <i>Geophysical Journal International</i> , 2019 ,	2.6	1
31	The Preliminary Results of GMSTech: A Software Development for Microseismic Characterization. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012024	0.3	1
30	Upper crustal structure beneath East Java from ambient noise tomography: A preliminary result 2015 ,		1
29	Post-Subduction Tectonics of Sabah, Northern Borneo, Inferred From Surface Wave Tomography. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
28	Analysis of the destructive earthquakes end of 2017 (Mw 6.9) and early 2018 (Mw 6.1) south of West Java, Indonesia. <i>E3S Web of Conferences</i> , 2020 , 211, 02003	0.5	1
27	Crustal Deformation and Fault Strength of the Sulawesi Subduction Zone. <i>Tectonics</i> , 2021 , 40, e2020TC006573	4.5	1

26	Observation of seismicity based on DOMERAPI and BMKG seismic networks: A preliminary result from DOMERAPI project 2016 ,		1
25	Investigation of upper crustal structure beneath eastern Java 2016 ,		1
24	Fault Instability and Its Relation to Static Coulomb Failure Stress Change in the 2016 Mw 6.5 Pidie Jaya Earthquake, Aceh, Indonesia. <i>Frontiers in Earth Science</i> , 2021 , 8,	3.5	1
23	Rapid Estimation of Earthquake Magnitude and Source Parameters Using Genetic Algorithms. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11852	2.6	1
22	Surface Wave Tomography Using Seismic Ambient Noise Data for Subsurface Imaging beneath Bandung Basin, West Java and Its Surrounding. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 318, 012032	0.3	0
21	New Model of Wadati-Benioff Zone in Java-Sumatra Subduction System and Its Tectonic Implication. <i>Advances in Science, Technology and Innovation</i> , 2019 , 21-24	0.3	0
20	Seismic Travel-time Tomography beneath Merapi Volcano and its Surroundings: A Preliminary Result from DOMERAPI Project. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012039	0.3	0
19	Coseismic slip distribution of the 14 January 2021 Mamuju-Majene, Sulawesi, earthquake derived from GPS data. <i>Natural Hazards</i> , 1	3	0
18	Imaging of a magma system beneath the Merapi Volcano complex, Indonesia, using ambient seismic noise tomography. <i>Geophysical Journal International</i> , 2021 , 226, 511-523	2.6	0
17	2019 Ambon aftershocks catalogue data compiled using local and regional seismic networks. <i>Data in Brief</i> , 2021 , 34, 106728	1.2	0
16	Analysis of the April 10, 2021 (Mw 6.1) destructive intra-slab earthquake, East Java, Indonesia. <i>Physics of the Earth and Planetary Interiors</i> , 2022 , 326, 106866	2.3	0
15	Improved Location of Microseismic Events in Borehole Monitoring by Inclusion of Particle Motion Analysis: a Case Study at a CBM Field in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012025	0.3	
14	Updating Hypocenter Relocation in Indonesia using 3D Seismic Velocity Model: Period of April 2009-March 2018. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 318, 012048	0.3	
13	Assessment of the Maximum Magnitude of Strike-Slip Faults in Myanmar. <i>Geotechnical and Geological Engineering</i> , 2019 , 37, 5113-5122	1.5	
12	Variations in Inelastic Failure of Subducting Continental Lithosphere and Tectonic Development: Australia-Banda Arc Convergence. <i>Geodynamic Series</i> , 2013 , 341-357		
11	Subsurface Structure beneath the Southeast Coast of Lake Biwa, Central Japan, Revealed by Seismic Profiling.. <i>Journal of Physics of the Earth</i> , 1992 , 40, 573-584		
10	Social networks and local communication network patterns following the destructive 2018 Lombok, Indonesia, earthquake sequence. <i>Geomatics, Natural Hazards and Risk</i> , 2022 , 13, 451-473	3.6	
9	Ambient Seismic Noise Cross - correlation of Ambon Island and Surrounding Area, Eastern Indonesia: Preliminary Result. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012023	0.3	

8	Early Results of P Wave Regional Tomography Study at Sunda-Banda Arc using BMKG Seismic Network. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012065	0.3
7	Preliminary study of stress changes evolution on central part of Sumatran Fault influenced by large interplate earthquakes and tectonic stress rates. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012011	0.3
6	Preliminary Model of P-Wave Tomography Beneath Central Java using FMTOMO. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012064	0.3
5	Preliminary Results of Receiver Function Forward Velocity Modelling at Merapi Volcano. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012056	0.3
4	Preliminary Results of Double Difference Tomography at Sunda-Banda Arc. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012067	0.3
3	Initial Result of P Wave Tomography Model in Sunda-Banda Arc Transition using FMTOMO. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012057	0.3
2	Preliminary Fault Instability Analysis of Mw 6.5 Pidie Jaya, Aceh 2016 Earthquake (Indonesia). <i>Advances in Science, Technology and Innovation</i> , 2022 , 209-211	0.3
1	Focal Mechanism Analysis of the Earthquakes Beneath the Sunda-Banda Arc Transition, Indonesia, Using the BMKG Data. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022 , 1031, 012012	0.3