

Andri Dian Nugraha

List of Publications by Citations

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105
papers

526
citations

11
h-index

18
g-index

129
ext. papers

756
ext. citations

1.7
avg, IF

3.97
L-index

#	Paper	IF	Citations
105	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
104	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
103	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
102	Implications for megathrust earthquakes and tsunamis from seismic gaps south of Java Indonesia. <i>Scientific Reports</i> , 2020 , 10, 15274	4.9	26
101	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
100	Seismic imaging and petrology explain highly explosive eruptions of Merapi Volcano, Indonesia. <i>Scientific Reports</i> , 2018 , 8, 13656	4.9	24
99	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
98	Thermal structure of the subduction zone in western Japan derived from seismic attenuation data. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	16
97	Three-dimensional velocity structure in the Bungo Channel and Shikoku area, Japan, and its relationship to low-frequency earthquakes. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	14
96	Study of seismicity around Toba area based on relocation hypocenter result from BMKG catalogue 2013 ,		13
95	Preliminary results of teleseismic double-difference relocation of earthquakes around Indonesian archipelago region 2015 ,		12
94	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
93	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
92	Joint 3-D tomographic imaging of Vp, Vs and Vp/Vs and hypocenter relocation at Sinabung volcano, Indonesia from November to December 2013. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 382, 210-223	2.8	11
91	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
90	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
89	Seismicity studies at Moluccas area based on the result of hypocenter relocation using HypoDD 2015 ,		8

88	Hypocenter relocation using a fast grid search method and a 3-D seismic velocity model for the Sumatra region 2013 ,		8
87	Unexpected earthquake of June 25th, 2015 in Madiun, East Java 2016 ,		8
86	Seismicity study of volcano-tectonic in and around Tangkuban Parahu active volcano in West Java region, Indonesia 2016 ,		7
85	Imaging of 3-D seismic velocity structure of Southern Sumatra region using double difference tomographic method 2015 ,		7
84	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
83	Source mechanism and triggered large aftershocks of the Mw 6.5 Ambon, Indonesia earthquake. <i>Tectonophysics</i> , 2021 , 799, 228709	3.1	7
82	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
81	Preliminary result of P-wave speed tomography beneath North Sumatera region 2015 ,		6
80	Attenuation tomography using microearthquake (MEQ) data in the "A" geothermal field 2013 ,		6
79	3-D seismic velocity and attenuation structures in the geothermal field 2013 ,		6
78	Hypocenter relocation of the aftershocks of the Poso, Sulawesi (Mw 6.6, May 29, 2017) event using the BMKG network data 2018 ,		5
77	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
76	Improve earthquake hypocenter using adaptive simulated annealing inversion in regional tectonic, volcano tectonic, and geothermal observation 2015 ,		5
75	Preliminary results of local earthquake tomography around Bali, Lombok, and Sumbawa regions 2015 ,		5
74	Analysis of Mw 7.2 2014 Molucca Sea earthquake and its aftershocks 2016 ,		5
73	Preliminary result of earthquake hypocenter determination using hypoellipse around western Java region 2016 ,		5
72	Analysis of spatiotemporal variation in b-value for the Sunda arc using high precision earthquake location 2016 ,		5
71	Gravity Structure around Mt. Pandan, Madiun, East Java, Indonesia and Its Relationship to 2016 Seismic Activity. <i>Open Geosciences</i> , 2018 , 10, 882-888	1.3	5

70	3-D Seismic Tomographic study of Sinabung Volcano, Northern Sumatra, Indonesia, during the inter-eruptive period October 2010–July 2013. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 382, 197-209	2.8	4
69	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
68	The preliminary results: Internal seismic velocity structure imaging beneath Mount Lokon 2015 ,		4
67	1-D seismic velocity model and hypocenter relocation using double difference method around West Papua region 2015 ,		4
66	High resolution seismic velocity structure around the Yamasaki fault zone of southwest Japan as revealed from travel-time tomography. <i>Earth, Planets and Space</i> , 2013 , 65, 871-881	2.9	4
65	Double-difference tomography of P- and S-wave velocity structure beneath the western part of Java, Indonesia. <i>Earthquake Science</i> , 2019 , 32, 12-25	1.5	4
64	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
63	Thermal squeezing of the seismogenic zone controlled rupture of the volcano-rooted Flores Thrust. <i>Science Advances</i> , 2021 , 7,	14.3	4
62	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
61	Sensitivity of static Coulomb stress change in relation to source fault geometry and regional stress magnitude: case study of the 2016 Pidie Jaya, Aceh earthquake (Mw = 6.5), Indonesia. <i>Journal of Seismology</i> , 2019 , 23, 1391-1403	1.5	3
60	Iterative joint inversion of in-situ stress state along Simeulue-Nias Island 2017 ,		3
59	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
58	Hypocenters relocation using double-difference method around Molucca Collision Zone 2017 ,		3
57	Preliminary result of teleseismic double-difference relocation of earthquakes in the Molucca collision zone with a 3D velocity model 2015 ,		3
56	Earthquake hypocenter relocation using double difference method in East Java and surrounding areas 2015 ,		3
55	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
54	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
53	Implementation of GMSTech – New Practical Software for Microseismic Data Processing [For Estimating Event Source Parameters. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012096	0.3	2

52	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
51	Recent destructive earthquakes around Garut area, West Java, Indonesia: An unidentified fault? 2018 ,		2
50	Precise Hypocenter Determination around Palu Koro Fault: a Preliminary Results. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012056	0.3	2
49	Preliminary result of 3-D attenuation tomography beneath Sunda Strait and western part of Java 2017 ,		2
48	The preliminary results: Seismic ambient noise Rayleigh wave tomography around Merapi volcano, central Java, Indonesia 2015 ,		2
47	Earthquake location determination using data from DOMERAPI and BMKG seismic networks: A preliminary result of DOMERAPI project 2015 ,		2
46	Borehole Microseismic Imaging of Hydraulic Fracturing: A Pilot Study on a Coal Bed Methane Reservoir in Indonesia. <i>Journal of Engineering and Technological Sciences</i> , 2019 , 51, 251	2.3	2
45	Determining Velocity and Q-factor Structure using Crosshole Tomography. <i>Journal of Mathematical and Fundamental Sciences</i> , 2013 , 45, 29-38	1.7	2
44	Investigation of Hilbert Huang Transform and Fourier Transform for Horizontal-to-Vertical Spectral Ratio Analysis: Understanding the Shallow Structure in Mataram City, Lombok, Indonesia. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	2
43	Ambient Noise Tomography of Merapi Complex, Central Java, Indonesia: A Preliminary Result. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012040	0.3	1
42	Hydrocarbon Prospect Derived from Attributes Analysis on Low-Frequency Passive Seismic Survey: a Case Study from Kalimantan, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012020	0.3	1
41	The Recent Small Earthquakes around Lembang Fault, West Java, Bandung, Indonesia. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012083	0.3	1
40	Stress drop, earthquake aftershocks and regional stress relation based on synthetic static Coulomb failure stress model. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012092	0.3	1
39	Western Java Ambient Noise Tomography: A Preliminary Result. <i>Journal of Physics: Conference Series</i> , 2019 , 1204, 012099	0.3	1
38	Steam and Brine Zone Prediction around Geothermal Reservoir Derived from Delay Time Seismic Tomography and Anisotropy Case Study: BRG Geothermal Field. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012027	0.3	1
37	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
36	3D seismic tomography Vp, Vs and Vp/Vs ratio beneath Gede Volcano, West Java, Indonesia 2018 ,		1
35	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

34	Determining Source Model and Aftershocks of 2006 Yogyakarta Earthquake, Indonesia using Coulomb Stress Change. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 318, 012026	0.3	1
33	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
32	An Integrated Method 3D Velocity Model and Fuzzy Clustering for Fracture Characterization. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 62, 012026	0.3	1
31	Seismic tomography imaging beneath Sinabung Volcano, North Sumatra area, Indonesia 2017 ,		1
30	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
29	Micro-earthquake signal analysis and hypocenter determination around Lokon volcano complex 2015 ,		1
28	Detection of new hydrocarbon reservoir using hydrocarbon microtremor combined attribute analysis 2013 ,		1
27	Analysis of swarm earthquakes around Mt. Agung Bali, Indonesia prior to November 2017 eruption using regional BMKG network. <i>Geoscience Letters</i> , 2020 , 7,	3.5	1
26	Determination of Shear Wave Splitting Parameters in 2018 Lombok Earthquake Using Rotation Correlation Method: Preliminary Result. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 873, 012101	0.3	1
25	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
24	Observation of seismicity based on DOMERAPI and BMKG seismic networks: A preliminary result from DOMERAPI project 2016 ,		1
23	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
22	A Non-Linear Method for Hypocenter Determination around Central and East Java Region: Preliminary Result. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 318, 012008	0.3	0
21	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
20	Subsurface structure of Sumani segment in the Great Sumatran Fault inferred from magnetic and gravity modeling. <i>Tectonophysics</i> , 2021 , 821, 229149	3.1	0
19	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
18	2019 Ambon aftershocks catalogue data compiled using local and regional seismic networks. <i>Data in Brief</i> , 2021 , 34, 106728	1.2	0
17	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

- 16 Improved Location of Microseismic Events in Borehole Monitoring by Inclusion of Particle Motion Analysis: a Case Study at a CBM Field in Indonesia. *IOP Conference Series: Earth and Environmental Science*, **2017**, 62, 012025 0.3
- 15 The Physical Mechanisms of Geothermal Reservoir During Hydraulic Injection Through Microearthquake Tomography. *Journal of Physics: Conference Series*, **2019**, 1204, 012081 0.3
- 14 3D Vp, Vs, And Vp/Vs microseismic tomography imaging on MA[Geothermal field: fluid saturation condition analysis. *Journal of Physics: Conference Series*, **2019**, 1204, 012090 0.3
- 13 3D Seismic Tomography to Image the Subsurface Structure of M[Geothermal Field Using Double-Difference Method and Waveform Cross-Correlation: Preliminary Results. *Journal of Physics: Conference Series*, **2019**, 1204, 012095 0.3
- 12 Preliminary Result of Hypocenter Relocation Using Double Difference Method along Sumatran Fault, Indonesia. *IOP Conference Series: Earth and Environmental Science*, **2019**, 318, 012009 0.3
- 11 Updating Hypocenter Relocation in Indonesia using 3D Seismic Velocity Model: Period of April 2009-March 2018. *IOP Conference Series: Earth and Environmental Science*, **2019**, 318, 012048 0.3
- 10 Southeast Asian Conference on Geophysics. *IOP Conference Series: Earth and Environmental Science*, **2017**, 62, 011001 0.3
- 9 Reservoir Characterization around Geothermal Field, West Java, Indonesia Derived from 4-D Seismic Tomography. *IOP Conference Series: Earth and Environmental Science*, **2016**, 29, 012001 0.3
- 8 Utilization of Double-Difference Tomography for Geothermal Exploration: 3D Velocity Structure Interpretation and Fluid Determination. *Journal of Physics: Conference Series*, **2019**, 1204, 012094 0.3
- 7 Preliminary Results of Horizontal to Vertical Spectral Ratio (HVSR) Across Lembang Fault, Bandung, Indonesia. *IOP Conference Series: Earth and Environmental Science*, **2019**, 273, 012020 0.3
- 6 Three Component Seismogram Analysis: A Case Study of the M = 7.7 South Java, Indonesia Earthquake on July 17, 2006 and Changes in Coulomb Stress and Seismicity Rate. *Advanced Science Letters*, **2017**, 23, 12037-12042 0.1
- 5 Ambient Seismic Noise Cross - correlation of Ambon Island and Surrounding Area, Eastern Indonesia: Preliminary Result. *IOP Conference Series: Earth and Environmental Science*, **2021**, 873, 012023^{0.3}
- 4 Preliminary Results: Probabilistic Non-Linear Method to Determine the Hypocenter Location in the Molucca Sea Collision Zone from BMKG Networks. *IOP Conference Series: Earth and Environmental Science*, **2021**, 873, 012026 0.3
- 3 Preliminary Results of Receiver Function Forward Velocity Modelling at Merapi Volcano. *IOP Conference Series: Earth and Environmental Science*, **2021**, 873, 012056 0.3
- 2 Initial Result of P Wave Tomography Model in Sunda-Banda Arc Transition using FMTOMO. *IOP Conference Series: Earth and Environmental Science*, **2021**, 873, 012057 0.3
- 1 Focal Mechanism Analysis of the Earthquakes Beneath the Sunda-Banda Arc Transition, Indonesia, Using the BMKG Data. *IOP Conference Series: Earth and Environmental Science*, **2022**, 1031, 012012 0.3