

Andri Dian Nugraha

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4715148/publications.pdf>

Version: 2024-02-01

128
papers

961
citations

566801

15
h-index

580395

25
g-index

129
all docs

129
docs citations

129
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications for megathrust earthquakes and tsunamis from seismic gaps south of Java Indonesia. <i>Scientific Reports</i> , 2020, 10, 15274.	1.6	64
2	Upper crustal structure of central Java, Indonesia, from transdimensional seismic ambient noise tomography. <i>Geophysical Journal International</i> , 2014, 197, 630-635.	1.0	63
3	Source Model for the Tsunami Inside Palu Bay Following the 2018 Palu Earthquake, Indonesia. <i>Geophysical Research Letters</i> , 2019, 46, 8721-8730.	1.5	55
4	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.	1.0	46
5	Identification of active faults in West Java, Indonesia, based on earthquake hypocenter determination, relocation, and focal mechanism analysis. <i>Geoscience Letters</i> , 2018, 5, .	1.3	45
6	Seismic imaging and petrology explain highly explosive eruptions of Merapi Volcano, Indonesia. <i>Scientific Reports</i> , 2018, 8, 13656.	1.6	39
7	The 2016 Mw 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.	0.8	38
8	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, .	1.5	23
9	Detailed seismic imaging of Merapi volcano, Indonesia, from local earthquake travel-time tomography. <i>Journal of Asian Earth Sciences</i> , 2019, 177, 134-145.	1.0	21
10	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.	0.8	21
11	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.	1.5	20
12	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.	0.8	19
13	Thermal structure of the subduction zone in western Japan derived from seismic attenuation data. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	18
14	Source mechanism and triggered large aftershocks of the Mw 6.5 Ambon, Indonesia earthquake. <i>Tectonophysics</i> , 2021, 799, 228709.	0.9	17
15	Preliminary results of teleseismic double-difference relocation of earthquakes around Indonesian archipelago region. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	15
16	Relocation of hypocenters from DOMERAPI and BMKG networks: a preliminary result from DOMERAPI project. <i>Earthquake Science</i> , 2017, 30, 67-79.	0.4	15
17	Gravity Structure around Mt. Pandan, Madiun, East Java, Indonesia and Its Relationship to 2016 Seismic Activity. <i>Open Geosciences</i> , 2018, 10, 882-888.	0.6	15
18	Thermal squeezing of the seismogenic zone controlled rupture of the volcano-rooted Flores Thrust. <i>Science Advances</i> , 2021, 7, .	4.7	15

#	ARTICLE	IF	CITATIONS
19	Study of seismicity around Toba area based on relocation hypocenter result from BMKG catalogue. , 2013, , .		14
20	3-D Seismic Tomographic study of Sinabung Volcano, Northern Sumatra, Indonesia, during the inter-eruptive period October 2010â€“July 2013. Journal of Volcanology and Geothermal Research, 2019, 382, 197-209.	0.8	14
21	Hypocenter relocation using a fast grid search method and a 3-D seismic velocity model for the Sumatra region. , 2013, , .		12
22	Unexpected earthquake of June 25th, 2015 in Madiun, East Java. AIP Conference Proceedings, 2016, , .	0.3	12
23	Local earthquake tomography of the source region of the 2018 Lombok earthquake sequence, Indonesia. Geophysical Journal International, 2021, 226, 1814-1823.	1.0	12
24	Double-difference tomography of P- and S-wave velocity structure beneath the western part of Java, Indonesia. Earthquake Science, 2019, 32, 12-25.	0.4	12
25	Seismic Velocity Structures beneath the Guntur Volcano Complex, West Java, Derived from Simultaneous Tomographic Inversion and Hypocenter Relocation. Journal of Mathematical and Fundamental Sciences, 2013, 45, 17-28.	0.3	12
26	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. Geoscience Letters, 2019, 6, .	1.3	11
27	Preliminary Estimation of Engineering Bedrock Depths from Microtremor Array Measurements in Solo, Central Java, Indonesia. Journal of Mathematical and Fundamental Sciences, 2017, 49, 306.	0.3	11
28	Seismicity studies at Moluccas area based on the result of hypocenter relocation using HypoDD. AIP Conference Proceedings, 2015, , .	0.3	10
29	High resolution seismic velocity structure around the Yamasaki fault zone of southwest Japan as revealed from travel-time tomography. Earth, Planets and Space, 2013, 65, 871-881.	0.9	9
30	Seismicity study of volcano-tectonic in and around Tangkuban Parahu active volcano in West Java region, Indonesia. AIP Conference Proceedings, 2016, , .	0.3	9
31	Foreshockâ€“mainshockâ€“aftershock sequence analysis of the 14 January 2021 (Mw 6.2) Mamujuâ€“Majene (West Sulawesi, Indonesia) earthquake. Earth, Planets and Space, 2021, 73, .	0.9	9
32	Attenuation tomography using microearthquake (MEQ) data in the "A" geothermal field. , 2013, , .		8
33	The Recent Small Earthquakes around Lembang Fault, West Java, Bandung, Indonesia. Journal of Physics: Conference Series, 2019, 1204, 012083.	0.3	8
34	Investigation of Hilbertâ€“Huang Transform and Fourier Transform for Horizontal-to-Vertical Spectral Ratio Analysis: Understanding the Shallow Structure in Mataram City, Lombok, Indonesia. Frontiers in Earth Science, 2020, 8, .	0.8	8
35	Upper crustal shear-wave velocity structure Beneath Western Java, Indonesia from seismic ambient noise tomography. Geoscience Letters, 2022, 9, .	1.3	8
36	3-D seismic velocity and attenuation structures in the geothermal field. , 2013, , .		7

#	ARTICLE	IF	CITATIONS
37	Imaging of 3-D seismic velocity structure of Southern Sumatra region using double difference tomographic method. AIP Conference Proceedings, 2015, , .	0.3	7
38	Analysis of spatiotemporal variation in b-value for the Sunda arc using high precision earthquake location. AIP Conference Proceedings, 2016, , .	0.3	7
39	Hypocenter relocation of earthquake swarm around Jailolo volcano, North Molucca, Indonesia using the BMKG network data: Time periods of September 27-October 10, 2017. AIP Conference Proceedings, 2018, , .	0.3	7
40	Group velocity maps using subspace and Trans-dimensional inversions: ambient noise tomography in the Western part of Java, Indonesia. Geophysical Journal International, 0, , .	1.0	7
41	Imaging of a magma system beneath the Merapi Volcano complex, Indonesia, using ambient seismic noise tomography. Geophysical Journal International, 2021, 226, 511-523.	1.0	7
42	Improve earthquake hypocenter using adaptive simulated annealing inversion in regional tectonic, volcano tectonic, and geothermal observation. AIP Conference Proceedings, 2015, , .	0.3	6
43	Preliminary result of P-wave speed tomography beneath North Sumatera region. AIP Conference Proceedings, 2015, , .	0.3	6
44	Preliminary result of earthquake hypocenter determination using hypoellipse around western Java region. AIP Conference Proceedings, 2016, , .	0.3	6
45	Hypocenter Relocation of Earthquake Swarm in West Halmahera, North Molucca Region, Indonesia by using Double-Difference Method and 3D Seismic Velocity Structure. IOP Conference Series: Earth and Environmental Science, 2017, 62, 012053.	0.2	6
46	Use of Local Seismic Network in Analysis of Volcano-Tectonic (VT) Events Preceding the 2017 Agung Volcano Eruption (Bali, Indonesia). Frontiers in Earth Science, 2021, 9, .	0.8	6
47	1-D seismic velocity model and hypocenter relocation using double difference method around West Papua region. AIP Conference Proceedings, 2015, , .	0.3	5
48	Earthquake hypocenter relocation using double difference method in East Java and surrounding areas. AIP Conference Proceedings, 2015, , .	0.3	5
49	Preliminary results of local earthquake tomography around Bali, Lombok, and Sumbawa regions. AIP Conference Proceedings, 2015, , .	0.3	5
50	Analysis of Mw 7.2 2014 Molucca Sea earthquake and its aftershocks. AIP Conference Proceedings, 2016, , .	0.3	5
51	Subsurface Structure Interpretation Beneath of Mt. Pandan Based on Gravity Data. IOP Conference Series: Earth and Environmental Science, 2017, 62, 012038.	0.2	5
52	Hypocenter Determination Using a Non-Linear Method for Events in West Java, Indonesia: A Preliminary Result. IOP Conference Series: Earth and Environmental Science, 2017, 62, 012052.	0.2	5
53	Hypocenter relocation of the aftershocks of the Poso, Sulawesi (Mw 6.6, May 29, 2017) event using the BMKG network data. AIP Conference Proceedings, 2018, , .	0.3	5
54	2019 Ambon aftershocks catalogue data compiled using local and regional seismic networks. Data in Brief, 2021, 34, 106728.	0.5	5

#	ARTICLE	IF	CITATIONS
55	Analysis of swarm earthquakes around Mt. Agung Bali, Indonesia prior to November 2017 eruption using regional BMKG network. <i>Geoscience Letters</i> , 2020, 7, .	1.3	5
56	Seismic Imaging of Lithospheric Structure Beneath Central-East Java Region, Indonesia: Relation to Recent Earthquakes. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	5
57	The preliminary results: Internal seismic velocity structure imaging beneath Mount Lokon. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	4
58	Preliminary result of teleseismic double-difference relocation of earthquakes in the Molucca collision zone with a 3D velocity model. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	4
59	Iterative joint inversion of in-situ stress state along Simeulue-Nias Island. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	4
60	Earthquake swarm analysis around Bekantan area, North Sumatra, Indonesia using the BMKG network data: Time periods of February 29, 2015 to July 10, 2017. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
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.	0.6	4
62	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, .	0.8	4
63	Delineation of sedimentary basin structure beneath the Banyumas Basin, Central Java, Indonesia, using ambient seismic noise tomography. <i>Geoscience Letters</i> , 2021, 8, .	1.3	4
64	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.	0.7	4
65	The preliminary results: Seismic ambient noise Rayleigh wave tomography around Merapi volcano, central Java, Indonesia. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	3
66	Earthquake location determination using data from DOMERAPI and BMKG seismic networks: A preliminary result of DOMERAPI project. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	3
67	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.	0.2	3
68	An Integrated Method 3D Velocity Model and Fuzzy Clustering for Fracture Characterization. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 62, 012026.	0.2	3
69	Hypocenters relocation using double-difference method around Molucca Collision Zone. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
70	Preliminary result of 3-D attenuation tomography beneath Sunda Strait and western part of Java. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
71	Steam and Brine Zone Prediction around Geothermal Reservoir Derived from Delay Time Seismic Tomography and Anisotropy Case Study: "Geothermal Field. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 62, 012027.	0.2	3
72	Recent destructive earthquakes around Garut area, West Java, Indonesia: An unidentified fault?. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3

#	ARTICLE	IF	CITATIONS
73	A Non-Linear Method for Hypocenter Determination around Central and East Java Region: Preliminary Result. IOP Conference Series: Earth and Environmental Science, 2019, 318, 012008.	0.2	3
74	Multi-channel waveform clustering: a first look at microseismic multiplets from coalbed methane stimulation. Geoscience Letters, 2019, 6, .	1.3	3
75	Implementation of GMSTech " a New Practical Software for Microseismic Data Processing " for Estimating Event Source Parameters. Journal of Physics: Conference Series, 2019, 1204, 012096.	0.3	3
76	Borehole Microseismic Imaging of Hydraulic Fracturing: A Pilot Study on a Coal Bed Methane Reservoir in Indonesia. Journal of Engineering and Technological Sciences, 2019, 51, 251-271.	0.3	3
77	Determining Velocity and Q-factor Structure using Crosshole Tomography. Journal of Mathematical and Fundamental Sciences, 2013, 45, 29-38.	0.3	3
78	Subsurface structure of Sumani segment in the Great Sumatran Fault inferred from magnetic and gravity modeling. Tectonophysics, 2021, 821, 229149.	0.9	3
79	Hypocenter determination using simulated annealing, updated 1D seismic velocity model and focal mechanism analysis. , 2013, , .		2
80	Observation of seismicity based on DOMERAPI and BMKG seismic networks: A preliminary result from DOMERAPI project. AIP Conference Proceedings, 2016, , .	0.3	2
81	Reservoir Characterization around Geothermal Field, West Java, Indonesia Derived from 4-D Seismic Tomography. IOP Conference Series: Earth and Environmental Science, 2016, 29, 012001.	0.2	2
82	Ambient Noise Tomography of Merapi Complex, Central Java, Indonesia: A Preliminary Result. IOP Conference Series: Earth and Environmental Science, 2017, 62, 012040.	0.2	2
83	Hydrocarbon Prospect Derived from Attributes Analysis on Low-Frequency Passive Seismic Survey: a Case Study from Kalimantan, Indonesia. IOP Conference Series: Earth and Environmental Science, 2017, 62, 012020.	0.2	2
84	Precise Hypocenter Determination around Palu Koro Fault: a Preliminary Results. IOP Conference Series: Earth and Environmental Science, 2017, 62, 012056.	0.2	2
85	Seismic tomography imaging beneath Sinabung Volcano, North Sumatra area, Indonesia. AIP Conference Proceedings, 2017, , .	0.3	2
86	The Preliminary Results of GMSTech: A Software Development for Microseismic Characterization. IOP Conference Series: Earth and Environmental Science, 2017, 62, 012024.	0.2	2
87	Determining Source Model and Aftershocks of 2006 Yogyakarta Earthquake, Indonesia using Coulomb Stress Change. IOP Conference Series: Earth and Environmental Science, 2019, 318, 012026.	0.2	2
88	Western Java Ambient Noise Tomography: A Preliminary Result. Journal of Physics: Conference Series, 2019, 1204, 012099.	0.3	2
89	Seismic Attenuation Tomography From 2018 Lombok Earthquakes, Indonesia. Frontiers in Earth Science, 2021, 9, .	0.8	2
90	Imaging the Subsurface Structure of Mount Agung in Bali (Indonesia) Using Volcano-Tectonic (VT) Earthquake Tomography. Frontiers in Earth Science, 2021, 9, .	0.8	2

#	ARTICLE	IF	CITATIONS
91	Detection of new hydrocarbon reservoir using hydrocarbon microtremor combined attribute analysis. , 2013, , .		1
92	Micro-earthquake signal analysis and hypocenter determination around Lokon volcano complex. AIP Conference Proceedings, 2015, , .	0.3	1
93	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.	0.2	1
94	Recent Efforts to Mitigate the Impacts of Earthquake Hazard in Indonesia from Geotechnical Engineering Perspective. Geotechnical, Geological and Earthquake Engineering, 2018, , 131-150.	0.1	1
95	3D seismic tomography V_p , V_s and V_p/V_s ratio beneath Gede Volcano, West Java, Indonesia. AIP Conference Proceedings, 2018, , .	0.3	1
96	Aftershock location determination of the 27 May 2006, M 6.4 Yogyakarta earthquake using a non-linear algorithm: A preliminary results. AIP Conference Proceedings, 2018, , .	0.3	1
97	Impact of The 2004 Sumatra-Andaman Earthquake to The Stress Heterogeneity and Seismicity Pattern in Northern Sumatra, Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 318, 012010.	0.2	1
98	Stress drop, earthquake aftershocks and regional stress relation based on synthetic static Coulomb failure stress model. Journal of Physics: Conference Series, 2019, 1204, 012092.	0.3	1
99	Implementation of Filter Picker Algorithm For Aftershock Identification of Lombok Earthquake 2018. Jurnal Geofisika, 2019, 17, 25.	0.2	1
100	Determination of Shear Wave Splitting Parameters in 2018 Lombok Earthquake Using Rotation Correlation Method: Preliminary Result. IOP Conference Series: Earth and Environmental Science, 2021, 873, 012101.	0.2	1
101	Analysis of the destructive earthquakes end of 2017 (Mw 6.9) and early 2018 (Mw 6.1) south of West Java, Indonesia. E3S Web of Conferences, 2020, 211, 02003.	0.2	1
102	Analysis of H/V Ratio Curve to Estimate Seismic Hazard Vulnerability in Lombok Island, West Nusa Tenggara, Indonesia. Jurnal Geofisika, 2020, 18, 1.	0.2	1
103	Analysis of the 2021 Semangko Bay Earthquake Sequence in Southern Sumatra, Indonesia, Using Broadband Seismic Network Data. Seismological Research Letters, 0, , .	0.8	1
104	Upper crustal structures beneath Yogyakarta imaged by ambient seismic noise tomography. , 2013, , .		0
105	Tomographic imaging of Central Java, Indonesia: Preliminary result of joint inversion of the MERAMEX and MCGA earthquake data. , 2013, , .		0
106	Virtual and super - virtual refraction method: Application to synthetic data and 2012 of Karangsembung survey data. , 2013, , .		0
107	Determining 3D Q_p , Q_s , Q_p/Q_s Ratio Structures from Tomography Inversion in Geothermal Field. , 2013, , .		0
108	Monte Carlo simulation for slip rate sensitivity analysis in Cimandiri fault area. AIP Conference Proceedings, 2015, , .	0.3	0

#	ARTICLE	IF	CITATIONS
109	Preliminary results of characteristic seismic anisotropy beneath Sunda-Banda subduction-collision zone. AIP Conference Proceedings, 2015, , .	0.3	0
110	Southeast Asian Conference on Geophysics. IOP Conference Series: Earth and Environmental Science, 2017, 62, 011001.	0.2	0
111	The application of ambient noise tomography method at Opak River Fault region, Yogyakarta. AIP Conference Proceedings, 2018, , .	0.3	0
112	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	0
113	Preliminary Results of Horizontal to Vertical Spectral Ratio (HVSR) Across Lembang Fault, Bandung, Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 273, 012020.	0.2	0
114	The Physical Mechanisms of Geothermal Reservoir During Hydraulic Injection Through Microearthquake Tomography. Journal of Physics: Conference Series, 2019, 1204, 012081.	0.3	0
115	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	0
116	3D Seismic Tomography to Image the Subsurface Structure of "Y" Geothermal Field Using Double-Difference Method and Waveform Cross-Correlation: Preliminary Results. Journal of Physics: Conference Series, 2019, 1204, 012095.	0.3	0
117	Preliminary Result of Hypocenter Relocation Using Double Difference Method along Sumatran Fault, Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 318, 012009.	0.2	0
118	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.	0.2	0
119	Development of an Inversion Method for Low Velocity Medium. Journal of Mathematical and Fundamental Sciences, 2013, 45, 93-103.	0.3	0
120	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.	0.2	0
121	Comparison of 3-D Raytracing and Finite Frequency Tomography. Jurnal Geofisika, 2019, 17, 1.	0.2	0
122	Determination of Hypocentre and Seismic Velocity Structure in Guntur Volcano Using Seismic Data from 2010 to 2014. Indonesian Journal on Geoscience, 2019, 6, .	0.2	0
123	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.	0.2	0
124	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.	0.2	0
125	Preliminary Results of Receiver Function Forward Velocity Modelling at Merapi Volcano. IOP Conference Series: Earth and Environmental Science, 2021, 873, 012056.	0.2	0
126	Initial Result of P Wave Tomography Model in Sunda-Banda Arc Transition using FMTOMO. IOP Conference Series: Earth and Environmental Science, 2021, 873, 012057.	0.2	0

#	ARTICLE	IF	CITATIONS
127	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.	0.2	0
128	Hypocenter Determination using a Non-Linear Method in Bali, Lombok, and Nusa Tenggara Regions: Preliminary Result. Journal of Physics: Conference Series, 2022, 2243, 012008.	0.3	0