

Hasanuddin Z Abidin

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

2,622
citations

279798

23
h-index

197818

49
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91
all docs

91
docs citations

91
times ranked

2127
citing authors

#	ARTICLE	IF	CITATIONS
1	Supershear shock front contribution to the tsunami from the 2018 Mw 7.5 Palu, Indonesia earthquake. <i>Geophysical Journal International</i> , 2022, 230, 2089-2097.	2.4	6
2	Remotes sensing capabilities on land subsidence and coastal water hazard and disaster studies. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 500, 012036.	0.3	7
3	Terrestrial Laser Scanner (TLS) Measurement in A Volcanic Area: Detection of Error Source and Scanned Object Intensity. <i>Indonesian Journal on Geoscience</i> , 2020, 7, .	0.3	0
4	Investigating the tectonic influence to the anthropogenic subsidence along northern coast of Java Island Indonesia using GNSS data sets. <i>E3S Web of Conferences</i> , 2019, 94, 04005.	0.5	7
5	The Effect of Highway Vibration to The Hills Slope Stability by an Integrated GPS-Vibration Data Processing. <i>E3S Web of Conferences</i> , 2019, 94, 01017.	0.5	0
6	Study the capabilities of RTK Multi GNSS under forest canopy in regions of Indonesia. <i>E3S Web of Conferences</i> , 2019, 94, 01021.	0.5	6
7	On the acceleration of land subsidence rate in Semarang City as detected from GPS surveys. <i>E3S Web of Conferences</i> , 2019, 94, 04002.	0.5	13
8	Assessment on topographic mapping using total station and terrestrial laser scanner technology (case study: Kiara Payung area, Sumedang). <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 389, 012006.	0.3	0
9	Land subsidence induced by agriculture activity in Bandung, West Java Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 389, 012024.	0.3	5
10	Determining the initial time of anthropogenic subsidence in urban area of Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 389, 012034.	0.3	2
11	Monitoring of long-term land subsidence from 2003 to 2017 in coastal area of Semarang, Indonesia by SBAS DInSAR analyses using Envisat-ASAR, ALOS-PALSAR, and Sentinel-1A SAR data. <i>Advances in Space Research</i> , 2019, 63, 1719-1736.	2.6	77
12	An evaluation of the possibility of tectonic triggering of the Sinabung eruption. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 382, 224-232.	2.1	11
13	Insight look the subsidence impact to infrastructures in Jakarta and Semarang area; Key for adaptation and mitigation. <i>MATEC Web of Conferences</i> , 2018, 147, 08001.	0.2	12
14	Investigating the tectonic subsidence on Java Island using GNSS GPS campaign and continuous. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
15	Strain Variation along Cimandiri Fault, West Java Based on Continuous and Campaign GPS Observation From 2006-2016. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 132, 012027.	0.3	3
16	Geodetic strain to study the deformation model of Indonesian semi dynamic datum 2013. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
17	Implementation of M6.5 Pidie Jaya earthquake's deformation model for Indonesian geospatial reference system 2013. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
18	Contribution of BeiDou satellite system for long baseline GNSS measurement in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 149, 012070.	0.3	3

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19	Adaptation of "Early Climate Change Disaster"™ to the Northern Coast of Java Island Indonesia. Engineering Journal, 2018, 22, 207-219.	1.0	11
20	Intensified water storage loss by biomass burning in Kalimantan: Detection by GRACE. Journal of Geophysical Research: Solid Earth, 2017, 122, 2409-2430.	3.4	12
21	Landslide monitoring using terrestrial laser scanner and robotic total station in Rancabali, West Java (Indonesia). AIP Conference Proceedings, 2017, , .	0.4	4
22	Early pictures of global climate change impact to the coastal area (North West of Demak Central Java) Tj ETQq0 0 0 r gBT /Overlock 10 T	0.4	7
23	Newly velocity field of Sulawesi Island from GPS observation. AIP Conference Proceedings, 2017, , .	0.4	1
24	Adaptation and mitigation of land subsidence in Semarang. AIP Conference Proceedings, 2017, , .	0.4	10
25	Tidal inundation ("Rob") investigation using time series of high resolution satellite image data and from institu measurements along northern coast of Java (Pantura). IOP Conference Series: Earth and Environmental Science, 2017, 71, 012005.	0.3	13
26	Preliminary co-sesimic deformation model for Indonesia geospatial reference system 2013. AIP Conference Proceedings, 2017, , .	0.4	2
27	Understanding the trigger for the LUSI mud volcano eruption from ground deformation signatures. Geological Society Special Publication, 2017, 441, 199-212.	1.3	8
28	Rotation and strain rate of Sulawesi from geometrical velocity field. AIP Conference Proceedings, 2017, , .	0.4	1
29	Development of Static Differential Method GNSS CORS UDIP for Monitoring Land Subsidence in Semarang Demak. Advanced Science Letters, 2017, 23, 2207-2210.	0.2	0
30	Influence of groundwater level to slope displacement by geodetic method. AIP Conference Proceedings, 2016, , .	0.4	1
31	Velocity field from twenty-two years of combined GPS daily coordinate time series analysis. AIP Conference Proceedings, 2016, , .	0.4	4
32	Preliminary result of Indonesian strain map based on geodetic measurements. AIP Conference Proceedings, 2016, , .	0.4	6
33	Application of A10 Absolute Gravimeter for Monitoring Land Subsidence in Jakarta, Indonesia. International Association of Geodesy Symposia, 2016, , 127-134.	0.4	1
34	Analysis of Coastal Sedimentation Impact to Jakarta Giant Sea Wall Using PSI ALOS PALSAR. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1472-1476.	3.1	8
35	Long aseismic slip duration of the 2006 Java tsunami earthquake based on GPS data. Earthquake Science, 2016, 29, 291-298.	0.9	26
36	On the use of terrestrial laser scanner for deformation analysis of the Talaga Bodas Crater West Java (Indonesia). AIP Conference Proceedings, 2016, , .	0.4	0

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37	Preliminary survey and performance of land subsidence in North Semarang Demak. AIP Conference Proceedings, 2016, , .	0.4	7
38	Investigation of the best coseismic fault model of the 2006 Java tsunami earthquake based on mechanisms of postseismic deformation. Journal of Asian Earth Sciences, 2016, 117, 64-72.	2.3	34
39	On the Development and Implementation of a Semi-Dynamic Datum for Indonesia. International Association of Geodesy Symposia, 2015, , 91-99.	0.4	3
40	3D modelling of Mt. Talaga Bodas Crater (Indonesia) by using terrestrial laser scanner for volcano hazard mitigation. AIP Conference Proceedings, 2015, , .	0.4	4
41	Preliminary deformation model for National Seismic Hazard map of Indonesia. AIP Conference Proceedings, 2015, , .	0.4	3
42	On Integration of Geodetic Observation Results for Assessment of Land Subsidence Hazard Risk in Urban Areas of Indonesia. International Association of Geodesy Symposia, 2015, , 435-442.	0.4	14
43	On the establishment and implementation of GPS CORS for cadastral surveying and mapping in Indonesia. Survey Review, 2015, 47, 61-70.	1.2	9
44	Land Subsidence in Bandung Basin and its Possible Caused Factors. Procedia Earth and Planetary Science, 2015, 12, 47-62.	0.6	33
45	Interplate coupling model off the southwestern coast of Java, Indonesia, based on continuous GPS data in 2008â€“2010. Earth and Planetary Science Letters, 2014, 401, 159-171.	4.4	62
46	Land subsidence characteristics of Bandung Basin as revealed by ENVISAT ASAR and ALOS PALSAR interferometry. Remote Sensing of Environment, 2014, 154, 46-60.	11.0	81
47	A comprehensive model of postseismic deformation of the 2004 Sumatraâ€“Andaman earthquake deduced from GPS observations in northern Sumatra. Journal of Asian Earth Sciences, 2014, 88, 218-229.	2.3	48
48	On causes and impacts of land subsidence in Bandung Basin, Indonesia. Environmental Earth Sciences, 2013, 68, 1545-1553.	2.7	54
49	Sinking cities in Indonesia: ALOS PALSAR detects rapid subsidence due to groundwater and gas extraction. Remote Sensing of Environment, 2013, 128, 150-161.	11.0	406
50	Land subsidence in coastal city of Semarang (Indonesia): characteristics, impacts and causes. Geomatics, Natural Hazards and Risk, 2013, 4, 226-240.	4.3	102
51	Land subsidence characteristics of Bandung Basin as revealed by ENVISAT ASAR and ALOS PALSAR interferometry. , 2013, , .		0
52	Land Subsidence Characteristics in Bandung City, Indonesia as Revealed by Spaceborne Geodetic Techniques and Hydrogeological Observations. Photogrammetric Engineering and Remote Sensing, 2013, 79, 639-652.	0.6	9
53	On the Roles of Geospatial Information for Risk Assessment of Land Subsidence in Urban Areas of Indonesia. Lecture Notes in Geoinformation and Cartography, 2013, , 277-288.	1.0	10
54	Combined X- and L-band PSI analyses for assessment of land subsidence in Jakarta. Proceedings of SPIE, 2012, , .	0.8	11

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55	Understanding the 2007â€“2008 eruption of Anak Krakatau Volcano by combining remote sensing technique and seismic data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2012, 14, 73-82.	2.8	21
56	Mapping land subsidence in Jakarta, Indonesia using persistent scatterer interferometry (PSI) technique with ALOS PALSAR. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2012, 18, 232-242.	2.8	107
57	Long-Term Consecutive DInSAR for Volume Change Estimation of Land Deformation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 259-270.	6.3	29
58	Slip Rate Estimation of the Lembang Fault West Java from Geodetic Observation. <i>Journal of Disaster Research</i> , 2012, 7, 12-18.	0.7	45
59	Post-Tsunami Land Administration Reconstruction in Aceh: Aspects, Status and Problems. <i>Survey Review</i> , 2011, 43, 439-450.	1.2	2
60	Land subsidence of Jakarta (Indonesia) and its relation with urban development. <i>Natural Hazards</i> , 2011, 59, 1753-1771.	3.4	263
61	Measuring ground deformation of the tropical volcano, Ibu, using ALOS-PALSAR data. <i>Remote Sensing Letters</i> , 2010, 1, 37-44.	1.4	16
62	The contribution of human activities to subsurface environment degradation in Greater Jakarta Area, Indonesia. <i>Science of the Total Environment</i> , 2009, 407, 3129-3141.	8.0	44
63	Subsidence and uplift of Sidoarjo (East Java) due to the eruption of the Lusi mud volcano (2006â€“present). <i>Environmental Geology</i> , 2009, 57, 833-844.	1.2	34
64	Earthquake fault of the 26 May 2006 Yogyakarta earthquake observed by SAR interferometry. <i>Earth, Planets and Space</i> , 2009, 61, e29-e32.	2.5	47
65	CRUSTAL DEFORMATION STUDIES IN JAVA (INDONESIA) USING GPS. <i>Journal of Earthquake and Tsunami</i> , 2009, 03, 77-88.	1.3	49
66	GPS-Based Monitoring of Surface Displacements in the Mud Volcano Area, Sidoarjo, East Java. <i>International Association of Geodesy Symposia</i> , 2009, , 595-603.	0.4	0
67	Land subsidence characteristics of Jakarta between 1997 and 2005, as estimated using GPS surveys. <i>GPS Solutions</i> , 2008, 12, 23-32.	4.3	121
68	Land subsidence characteristics of the Bandung Basin, Indonesia, as estimated from GPS and InSAR. <i>Journal of Applied Geodesy</i> , 2008, 2, .	1.1	34
69	Studying landslide displacements in the Ciloto area (Indonesia) using GPS surveys. <i>Journal of Spatial Science</i> , 2007, 52, 55-63.	1.5	5
70	Preliminary report on crustal deformation surveys and tsunami measurements caused by the July 17, 2006 South off Java Island Earthquake and Tsunami, Indonesia. <i>Earth, Planets and Space</i> , 2007, 59, 1055-1059.	2.5	18
71	Volcano Deformation Monitoring in Indonesia: Status, Limitations and Prospects. , 2007, , 790-798.		0
72	Studying Land Subsidence of Bandung Basin (Indonesia) Using GPS Survey Technique. <i>Survey Review</i> , 2006, 38, 397-405.	1.2	13

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73	Ground deformation of Papandayan volcano before, during, and after the 2002 eruption as detected by GPS surveys. <i>GPS Solutions</i> , 2006, 10, 75-84.	4.3	6
74	Deformation Study of Papandayan Volcano using GPS Survey Method and Its Correlation with Seismic Data Observation. <i>ITB Journal of Engineering Science</i> , 2006, 38, 123-146.	0.1	0
75	Monitoring Land Subsidence of Jakarta (Indonesia) Using Leveling, GPS Survey and InSAR Techniques. , 2005, , 561-566.		7
76	Insight into the 2004 Sumatraâ€œAndaman earthquake from GPS measurements in southeast Asia. <i>Nature</i> , 2005, 436, 201-206.	27.8	290
77	Geodetic Datum of Indonesian Maritime Boundaries: Status and Problems. <i>Marine Geodesy</i> , 2005, 28, 291-304.	2.0	6
78	Migration of seismicity and earthquake interactions monitored by GPS in SE Asia triple junction: Sulawesi, Indonesia. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 7-1-ETG 7-11.	3.3	41
79	Low-cost GPS-based volcano deformation monitoring at Mt. Papandayan, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2002, 115, 139-151.	2.1	13
80	Land Subsidence of Jakarta (Indonesia) and its Geodetic Monitoring System. <i>Natural Hazards</i> , 2001, 23, 365-387.	3.4	142
81	Continuously operating GPS-based volcano deformation monitoring in Indonesia: the technical and logistical challenges. <i>International Association of Geodesy Symposia</i> , 2000, , 361-366.	0.4	4
82	On the Construction of the Ambiguity Searching Space for On-the-Fly Ambiguity Resolution. <i>Navigation, Journal of the Institute of Navigation</i> , 1993, 40, 321-338.	2.8	8
83	NUMERICAL MODELING OF THE 2006 JAVA TSUNAMI EARTHQUAKE. , 0, , 231-248.		6
84	Insight into the Correlation between Land Subsidence and the Floods in Regions of Indonesia. , 0, , .		10
85	On correlation between urban development, land subsidence and flooding phenomena in Jakarta. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 370, 15-20.	1.0	49
86	Study on the risk and impacts of land subsidence in Jakarta. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 372, 115-120.	1.0	26
87	WHY MANY VICTIMS: LESSONS FROM THE JULY 2006 SOUTH JAVA TSUNAMI EARTHQUAKE. , 0, , 249-263.		2