Giovanni Barreca

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1160462/publications.pdf

Version: 2024-02-01

52	865	430874	526287
papers	citations	18	27
		h-index	g-index

59	59	59	783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing the rate of crustal extension by 2D sequential restoration analysis: A case study from the active portion of the Malta Escarpment. Basin Research, 2022, 34, 321-341.	2.7	6
2	Reply to: Comment by A. Argnani on the paper: â€œThe Strait of Messina: Seismotectonics and the source of the 1908 earthquakeâ€•(Earth-Science Reviews 218, 2021, 103,685). Earth-Science Reviews, 2022, , 103962.	9.1	0
3	Transtension at the Northern Termination of the Alfeo-Etna Fault System (Western Ionian Sea, Italy): Seismotectonic Implications and Relation with Mt. Etna Volcanism. Geosciences (Switzerland), 2022, 12, 128.	2.2	7
4	Presentâ€Day Surface Deformation of Sicily Derived From Sentinelâ€1 InSAR Timeâ€Series. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	1
5	Response: Commentary: Deformation Pattern of the Northern Sector of the Malta Escarpment (Offshore SE Sicily, Italy): Fault Dimension, Slip Prediction, and Seismotectonic Implications. Frontiers in Earth Science, 2022, 10, .	1.8	0
6	The enigmatic 1693 AD tsunami in the eastern Mediterranean Sea: new insights on the triggering mechanisms and propagation dynamics. Scientific Reports, 2022, 12, .	3.3	6
7	Deformation Pattern of the Northern Sector of the Malta Escarpment (Offshore SE Sicily, Italy): Fault Dimension, Slip Prediction, and Seismotectonic Implications. Frontiers in Earth Science, 2021, 8, .	1.8	15
8	Earthquake Rupture Forecasts for the MPS19 Seismic Hazard Model of Italy. Annals of Geophysics, 2021, 64, .	1.0	13
9	The Strait of Messina: Seismotectonics and the source of the 1908 earthquake. Earth-Science Reviews, 2021, 218, 103685.	9.1	23
10	Recent Activity and Kinematics of the Bounding Faults of the Catanzaro Trough (Central Calabria,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	11
11	The seismogenic source of the 2018 December 26th earthquake (Mt. Etna, Italy): A shear zone in the unstable eastern flank of the volcano. Journal of Geodynamics, 2021, 143, 101807.	1.6	10
12	Reply to: Comment on the paper by Barreca et al.: â€œThe Strait of Messina: Seismotectonics and the source of the 1908 earthquakeâ€•by G. Barreca, F. Gross, L. ScarfÃ¬, M. Aloisi, C. Monaco, S. Krastel (Earth-Science Reviews 218, 2021, 103685). Earth-Science Reviews, 2021, 223, 103866.	9.1	1
13	Geometry of the Deep Calabrian Subduction (Central Mediterranean Sea) From Wideâ€Angle Seismic Data and 3â€D Gravity Modeling. Geochemistry, Geophysics, Geosystems, 2020, 21, .	2.5	5
14	Structural and tectono-stratigraphic review of the Sicilian orogen and new insights from analogue modeling. Earth-Science Reviews, 2020, 208, 103257.	9.1	18
15	Foreland seismicity associated with strike-slip faulting in southeastern Sicily, Italy: Seismotectonic implications and seismic hazard assessment. Physics of the Earth and Planetary Interiors, 2020, 307, 106553.	1.9	1
16	Slab Detachment, Mantle Flow, and Crustal Collision in Eastern Sicily (Southern Italy): Implications on Mount Etna Volcanism. Tectonics, 2020, 39, e2020TC006188.	2.8	21
17	Regional Deformation and Offshore Crustal Local Faulting as Combined Processes to Explain Uplift Through Time Constrained by Investigating Differentially Uplifted Late Quaternary Paleoshorelines: The Foreland Hyblean Plateau, SE Sicily. Tectonics, 2020, 39, e2020TC006187.	2.8	15
18	Reply to Comment by A. Argnani on â€œGeometry of the Deep Calabrian Subduction From Wideâ€Angle Seismic Data and 3â€D Gravity Modelingâ€• Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009223.	2.5	4

#	Article	IF	Citations
19	An integrated geodetic and InSAR technique for the monitoring and detection of active faulting in southwestern Sicily. Annals of Geophysics, 2020, 63, .	1.0	8
20	Use of CORS Time Series for Geodynamics Applications in Western Sicily (Italy). Communications in Computer and Information Science, 2020, , 61-76.	0.5	0
21	A New Agent-Based Methodology for the Seismic Vulnerability Assessment of Urban Areas. ISPRS International Journal of Geo-Information, 2019, 8, 274.	2.9	6
22	Deep Origin of the Domeâ€Shaped Hyblean Plateau, Southeastern Sicily: A New Tectonoâ€Magmatic Model. Tectonics, 2019, 38, 4488-4515.	2.8	8
23	Multi-temporal tectonic evolution of Capo Granitola and Sciacca foreland transcurrent faults (Sicily) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	19
24	Fault pattern and seismotectonic potential at the south-western edge of the Ionian Subduction system (southern Italy): New field and geophysical constraints. Tectonophysics, 2019, 761, 31-45.	2.2	30
25	Active degassing across the Maltese Islands (Mediterranean Sea) and implications for its neotectonics. Marine and Petroleum Geology, 2019, 104, 361-374.	3.3	12
26	Fold-related deformation bands in a weakly buried sandstone reservoir analogue: A multi-disciplinary case study from the Numidian (Miocene) of Sicily (Italy). Journal of Structural Geology, 2019, 118, 150-164.	2.3	16
27	Fiber optic monitoring of active faults at the seafloor: I the FOCUS project. Photoniques, 2019, , 32-37.	0.1	5
28	Threeâ€Dimensional Modeling of Mount Etna Volcano: Volume Assessment, Trend of Eruption Rates, and Geodynamic Significance. Tectonics, 2018, 37, 842-857.	2.8	25
29	Evidence of the Zanclean megaflood in the eastern Mediterranean Basin. Scientific Reports, 2018, 8, 1078.	3.3	49
30	Active Tectonics along the South East Offshore Margin of Mt. Etna: New Insights from High-Resolution Seismic Profiles. Geosciences (Switzerland), 2018, 8, 62.	2.2	14
31	Slab narrowing in the Central Mediterranean: the Calabro-Ionian subduction zone as imaged by high resolution seismic tomography. Scientific Reports, 2018, 8, 5178.	3.3	45
32	Quaternary marine terraces and fault activity in the northern mainland sectors of the Messina Strait (southern Italy). Italian Journal of Geosciences, 2017, 136, 337-346.	0.8	11
33	Active faulting and continental slope instability in the Gulf of Patti (Tyrrhenian side of NE Sicily,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	28
34	Structural architecture and active deformation pattern in the northern sector of the Aeolian-Tindari-Letojanni fault system (SE Tyrrhenian Sea-NE Sicily) from integrated analysis of field, marine geophysical, seismological and geodetic data. Italian Journal of Geosciences, 2017, 136, 399-417.	0.8	17
35	New insights on the tectonics of the Lampedusa Plateau from the integration of offshore, onland and space geodetic data. Italian Journal of Geosciences, 2017, 136, 206-219.	0.8	5
36	From ductile to brittle tectonic evolution of the Aspromonte Massif. Geological Field Trips, 2017, 9, 1-66.	0.5	1

#	Article	IF	Citations
37	Tectonic expression of an active slab tear from highâ€resolution seismic and bathymetric data offshore Sicily (Ionian Sea). Tectonics, 2016, 35, 39-54.	2.8	82
38	New structural and seismological evidence and interpretation of a lithospheric-scale shear zone at the southern edge of the Ionian subduction system (central-eastern Sicily, Italy). Tectonics, 2016, 35, 1489-1505.	2.8	35
39	Fault reactivation by stress pattern reorganization in the Hyblean foreland domain of SE Sicily (Italy) and seismotectonic implications. Tectonophysics, 2015, 661, 215-228.	2.2	20
40	Geological â€“ structural outlines of the southern Madonie Mts. (Central northern Sicily). Journal of Maps, 2015, 11, 432-443.	2.0	2
41	Geological, seismological and geodetic evidence of active thrusting and folding south of Mt. Etna (eastern Sicily): Revaluation of â€œseismic efficiencyâ€•of the Sicilian Basal Thrust. Journal of Geodynamics, 2015, 90, 32-41.	1.6	31
42	Applying geophysical techniques to investigate a segment of a creeping fault in the urban area of San Gregorio di Catania, southern flank of Mt. Etna (Sicily â€” Italy). Journal of Applied Geophysics, 2015, 123, 153-163.	2.1	20
43	Gravimetric gradient, Sicily and southern Calabria, Italy (Central Mediterranean). Journal of Maps, 2014, 10, 563-568.	2.0	2
44	Geological and geophysical evidences for mud diapirism in south-eastern Sicily (Italy) and geodynamic implications. Journal of Geodynamics, 2014, 82, 168-177.	1.6	18
45	Geodetic and geological evidence of active tectonics in south-western Sicily (Italy). Journal of Geodynamics, 2014, 82, 138-149.	1.6	35
46	New insights in the geodynamics of the Lipariâ€“Vulcano area (Aeolian Archipelago, southern Italy) from geological, geodetic and seismological data. Journal of Geodynamics, 2014, 82, 150-167.	1.6	42
47	A pilot GIS database of active faults of Mt. Etna (Sicily): A tool for integrated hazard evaluation. Journal of Volcanology and Geothermal Research, 2013, 251, 170-186.	2.1	49
48	Vertical-axis rotations in the Sicilian fold and thrust belt: new structural constraints from the Madonie Mts. (Sicily, Italy). Italian Journal of Geosciences, 2013, 132, 407-421.	0.8	8
49	Restraining stepover deformation superimposed on a previous fold-and-thrust-belt: A case study from the Mt. Kumetaâ€“Rocca Busambra ridges (western Sicily, Italy). Journal of Geodynamics, 2012, 55, 1-17.	1.6	20
50	Origin of Saponite-Rich Clays in A Fossil Serpentinite-Hosted Hydrothermal System in The Crustal Basement of The Hyblean Plateau (Sicily, Italy). Clays and Clay Minerals, 2012, 60, 18-31.	1.3	29
51	Archaeological evidence for Roman-age faulting in central-northern Sicily: Possible effects of coseismic deformation. , 2010, , .		9
52	Tectonic evolution of the Northern Sicanian-Southern Palermo Mountains range in Western Sicily: insight on the exhumation of the thrust involved foreland domains. Italian Journal of Geosciences, 2010, , 429-440.	0.8	4