Mustapha Meghraoui

List of Publications by Year
in descending order

92 papers	4,133 citations	71097 41 h-index	118840 62 g-index
93 all docs	93 docs citations	93 times ranked	2603 citing authors

#	Article	IF	Citations
1	The 20th anniversary of the Eastern Marmara Earthquakes: active tectonics of continental strike-slip faults. Mediterranean Geoscience Reviews, 2021, 3, 1-1.	1.2	0
2	The slip deficit on the North Anatolian Fault (Turkey) in the Marmara Sea: insights from paleoseismicity, seismicity and geodetic data. Mediterranean Geoscience Reviews, 2021, 3, 45-56.	1.2	3
3	Active fault segments along the North Anatolian Fault system in the Sea of Marmara: implication for seismic hazard. Mediterranean Geoscience Reviews, 2021, 3, 29-44.	1.2	9
4	Stress transfer and poroelasticity associated to major earthquakes in Africa. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0
5	Active folding in the Tenes region (Tell Atlas, Algeria): modelling the 1922 earthquake fault-related fold (Mw 6.2). Journal of Seismology, 2021, 25, 783-801.	1.3	2
6	Introduction to the Special Section in â€œGeodynamics, Crustal and Lithospheric Tectonics, and Active Deformation in the Mediterranean Regionsâ€•(A Tribute to Prof. Renato Funiciello). Tectonics, 2021, 40, e2021TC006939.	2.8	0
7	The Damaging Earthquake of 9 October 859 in Kairouan (Tunisia): Evidence from Historical and Archeoseismological Investigations. Seismological Research Letters, 2020, 91, 1890-1900.	1.9	6
8	Present-day deformation in the Upper Rhine Graben from GNSS data. Geophysical Journal International, 2020, 223, 599-611.	2.4	13
9	A non-active fault within an active restraining bend: The case of the Hasbaya fault, Lebanon. Journal of Structural Geology, 2020, 136, 104060.	2.3	7
10	Active tectonics and GPS data analysis of the Maghrebian thrust belt and Africa-Eurasia plate convergence in Tunisia. Tectonophysics, 2020, 785, 228440.	2.2	21
11	Correction: Active transform faults in the Gulf of Guinea: insights from geophysical data and implications for seismic hazard assessment. Canadian Journal of Earth Sciences, 2020, 57, 780-780.	1.3	1
12	The Tunisian Homogenized Macroseismic Database (Second Centuryâ€“1981): First Investigations. Seismological Research Letters, 2019, 90, 347-357.	1.9	9
13	Active transform faults in the Gulf of Guinea: insights from geophysical data and implications for seismic hazard assessment. Canadian Journal of Earth Sciences, 2019, 56, 1398-1408.	1.3	6
14	The Al Hoceima earthquake sequence of 1994, 2004 and 2016: Stress transfer and poroelasticity in the Rif and Alboran Sea region. Geophysical Journal International, 2018, 212, 42-53.	2.4	32
15	Paleoseismic history and slip rate along the Sapanca-AkyazÄ± segment of the 1999 Ä°zmit earthquake rupture (M w â€¯=â€¯7.4) of the North Anatolian Fault (Turkey). Tectonophysics, 2018, 738-739, 92-111.	2.2	12
16	Earthquake Faulting and Their Implications for the Seismic Hazard Assessment Along the Plate Boundary in North Africa. Advances in Science, Technology and Innovation, 2018, , 37-40.	0.4	4
17	Paleotsunami deposits along the coast of Egypt correlate with historical earthquake records of eastern Mediterranean. Natural Hazards and Earth System Sciences, 2018, 18, 2203-2219.	3.6	18
18	Active Faulting Geometry and Stress Pattern Near Complex Strikeâ€Slip Systems Along the Maghreb Region: Constraints on Active Convergence in the Western Mediterranean. Tectonics, 2018, 37, 3148-3173.	2.8	46

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19	Seismic slip on the west flank of the Upper Rhine Graben (Franceâ€“Germany): evidence from tectonic morphology and cataclastic deformation bands. Geological Society Special Publication, 2017, 432, 147-161.	1.3	9
20	Stress Change and Fault Interaction from a Two Centuryâ€Long Earthquake Sequence in the Central Tell Atlas, Algeria. Bulletin of the Seismological Society of America, 2017, 107, 2624-2635.	2.3	18
21	The Seismotectonic Map of Africa. Episodes, 2016, 39, 9-18.	1.2	36
22	Preface to the special issue â€œSeismotectonics and Seismic hazards in North Africaâ€• Journal of Seismology, 2014, 18, 203-204.	1.3	3
23	Extent and distribution of aseismic slip on the IsmetpaÅŸa segment of the North Anatolian Fault (Turkey) from Persistent Scatterer InSAR. Geochemistry, Geophysics, Geosystems, 2014, 15, 2883-2894.	2.5	67
24	The Contribution of Paleoseismology to Earthquake Hazard Evaluations. , 2014, , 237-271.		6
25	InSAR velocity field across the North Anatolian Fault (eastern Turkey): Implications for the loading and release of interseismic strain accumulation. Journal of Geophysical Research: Solid Earth, 2014, 119, 7934-7943.	3.4	29
26	Neo-deterministic seismic hazard assessment in North Africa. Journal of Seismology, 2014, 18, 301-318.	1.3	48
27	WEGENER: World Earthquake GEodesy Network for Environmental Hazard Research. Journal of Geodynamics, 2013, 67, 2-12.	1.6	1
28	Kinematic study at the junction of the East Anatolian fault and the Dead Sea fault from GPS measurements. Journal of Geodynamics, 2013, 67, 30-39.	1.6	70
29	Application of GPR to normal faults in the BÃ¼yÃ¼k Menderes Graben, western Turkey. Journal of Geodynamics, 2013, 65, 218-227.	1.6	14
30	Reply to the comment of Pedoja et al. by Maouche, S., Meghraoui, M., Morhange, C., Belabbes, S., Bouhadad, Y. and Haddoum, H. on the published paper: Maouche, S., Meghraoui, M., Morhange, C., Belabbes, S., Bouhadad, Y. and Haddoum, H., 2011, Active coastal thrusting and folding, and uplift rate of the Sahel anticline and Zemmouri earthquake area (Tell Atlas, Algeria), Tectonophysics, 509 (2011) 69â€“80. Tectonophysics, 2013, 601, 245-247.	2.2	3
31	Tectonosedimentary evidence in the Tunisian Atlas, Bou Arada Trough: insights for the geodynamic evolution and Africaâ€“Eurasia plate convergence. Journal of the Geological Society, 2013, 170, 435-449.	2.1	20
32	Active faulting and transpression tectonics along the plate boundary in North Africa. Annals of Geophysics, 2013, 55, .	1.0	56
33	Onset of aseismic creep on major strike-slip faults. Geology, 2012, 40, 1115-1118.	4.4	66
34	Paleoseismology of the North Anatolian Fault at GÃ¼zelkÃ¶y (Ganos segment, Turkey): Size and recurrence time of earthquake ruptures west of the Sea of Marmara. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	51
35	Seven years of postseismic deformation following the 2003 MwÂ=Â6.8 Zemmouri earthquake (Algeria) from InSAR time series. Geophysical Research Letters, 2012, 39, .	4.0	17
36	Erratum to Episodic Behavior of the Jordan Valley Section of the Dead Sea Fault Inferred from a 14-ka-Long Integrated Catalog of Large Earthquakes. Bulletin of the Seismological Society of America, 2011, 101, 926-927.	2.3	2

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37	Active coastal thrusting and folding, and uplift rate of the Sahel Anticline and Zemmouri earthquake area (Tell Atlas, Algeria). Tectonophysics, 2011, 509, 69-80.	2.2	70
38	The Djidjelli (Algeria) earthquakes of 21 and 22 August 1856 (I0 VIII, IX) and related tsunami effects Revisited. Journal of Seismology, 2011, 15, 105-129.	1.3	38
39	3-D crustal structure in the Agadir region (SW High Atlas, Morocco). Journal of Seismology, 2011, 15, 625-635.	1.3	6
40	Episodic Behavior of the Jordan Valley Section of the Dead Sea Fault Inferred from a 14-ka-Long Integrated Catalog of Large Earthquakes. Bulletin of the Seismological Society of America, 2011, 101, 39-67.	2.3	59
41	Rupture characteristics of the A.D. 1912 MÃ¼refte (Ganos) earthquake segment of the North Anatolian fault (western Turkey). Geology, 2010, 38, 991-994.	4.4	53
42	Field evidences from northern Dead Sea Fault Zone (South Turkey): New findings for the initiation age and slip rate. Tectonophysics, 2010, 480, 172-182.	2.2	40
43	Palaeoseismology of the North Anatolian Fault near the Marmara Sea: implications for fault segmentation and seismic hazard. Geological Society Special Publication, 2009, 316, 31-54.	1.3	38
44	InSAR analysis of a blind thrust rupture and related active folding: the 1999 Ain Temouchent earthquake (M w 5.7, Algeria) case study. Journal of Seismology, 2009, 13, 421-432.	1.3	36
45	Archaeological sites (Tell and Road) offset by the Dead Sea Fault in the Amik Basin, Southern Turkey. Geophysical Journal International, 2009, 179, 1313-1329.	2.4	44
46	Large boulder accumulation on the Algerian coast evidence tsunami events in the western Mediterranean. Marine Geology, 2009, 262, 96-104.	2.1	94
47	New temple discovery at the archaeological site of Nysa (western Turkey) using GPR method. Journal of Archaeological Science, 2009, 36, 1680-1689.	2.4	41
48	Rupture parameters of the 2003 Zemmouri (M_w 6.8), Algeria, earthquake from joint inversion of interferometric synthetic aperture radar, coastal uplift, and GPS. Journal of Geophysical Research, 2009, 114, .	3.3	49
49	The Rachayaâ€Serghaya fault system (Lebanon): Evidence of coseismic ruptures, and the AD 1759 earthquake sequence. Journal of Geophysical Research, 2008, 113, .	3.3	26
50	Reply to the comment of Dr M. Klein on: â€œA 48-kyr-long slip rate history for the Jordan Valley segment of the Dead Sea Faultâ€• Earth and Planetary Science Letters, 2008, 268, 241-242.	4.4	3
51	Strain partitioning of active transpression within the Lebanese restraining bend of the Dead Sea Fault (Lebanon and SW Syria). Geological Society Special Publication, 2007, 290, 285-303.	1.3	43
52	A 48-kyr-long slip rate history for the Jordan Valley segment of the Dead Sea Fault. Earth and Planetary Science Letters, 2007, 260, 394-406.	4.4	82
53	The 1994â€“2004 Al Hoceima (Morocco) earthquake sequence: Conjugate fault ruptures deduced from InSAR. Earth and Planetary Science Letters, 2006, 252, 467-480.	4.4	51
54	The tsunami induced by the 2003 Zemmouri earthquake (MW= 6.9, Algeria): modelling and results. Geophysical Journal International, 2006, 166, 213-226.	2.4	93

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55	Evidence of coseismic ruptures along the Roum fault (Lebanon): a possible source for the AD 1837 earthquake. Journal of Structural Geology, 2006, 28, 1483-1495.	2.3	59
56	Evidence for Holocene palaeoseismicity along the Basel-Reinach active normal fault (Switzerland): a seismic source for the 1356 earthquake in the Upper Rhine graben. Geophysical Journal International, 2005, 160, 554-572.	2.4	48
57	Active faulting in the western PyrÃ©nÃ©es (France): Paleoseismic evidence for late Holocene ruptures. Tectonophysics, 2005, 409, 39-54.	2.2	47
58	Creeping along the Ismetpasa section of the North Anatolian fault (Western Turkey): Rate and extent from InSAR. Earth and Planetary Science Letters, 2005, 238, 225-234.	4.4	93
59	Ground-penetrating radar investigations along the North Anatolian fault near Izmit, Turkey: Constraints on the right-lateral movement and slip history. Geology, 2004, 32, 85.	4.4	26
60	Characteristics of the 1912 co-seismic rupture along the North Anatolian Fault Zone (Turkey): implications for the expected Marmara earthquake. Terra Nova, 2004, 16, 198-204.	2.1	33
61	Coastal uplift and thrust faulting associated with the Mw= 6.8 Zemmouri (Algeria) earthquake of 21 May, 2003. Geophysical Research Letters, 2004, 31, .	4.0	127
62	Holocene faulting and earthquake recurrence along the Serghaya branch of the Dead Sea fault system in Syria and Lebanon. Geophysical Journal International, 2003, 153, 658-674.	2.4	98
63	Evidence for 830 years of seismic quiescence from palaeoseismology, archaeoseismology and historical seismicity along the Dead Sea fault in Syria. Earth and Planetary Science Letters, 2003, 210, 35-52.	4.4	183
64	Coseismic and postseismic displacements related with the 1997 Earthquake Sequence in Umbria-Marche (Central Italy). Geophysical Research Letters, 2001, 28, 2695-2698.	4.0	21
65	Evaluation of the potential for large earthquakes in present-day low seismic activity regions of Europe. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2001, 80, 61-61.	0.9	1
66	Morphometric analysis of active normal faulting in slow-deformation areas : examples in the Lower Rhine Embayment. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2001, 80, 95-107.	0.9	8
67	Seismic hazard analysis results for the Lower Rhine Graben and the importance of paleoseismic data. Geologie En Mijnbouw/Netherlands Journal of Geosciences, 2001, 80, 305-314.	0.9	5
68	Title is missing!. Journal of Seismology, 2001, 5, 281-285.	1.3	5
69	Title is missing!. Journal of Seismology, 2001, 5, 329-359.	1.3	49
70	Coseismic displacements along the Serghaya Fault: an active branch of the Dead Sea Fault System in Syria and Lebanon. Journal of the Geological Society, 2001, 158, 405-408.	2.1	58
71	The use of geophysical prospecting for imaging active faults in the Roer Graben, Belgium. Geophysics, 2001, 66, 78-89.	2.6	88
72	Active Normal Faulting in the Upper Rhine Graben and Paleoseismic Identification of the 1356 Basel Earthquake. Science, 2001, 293, 2070-2073.	12.6	110

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73	Long-term seismicity in regions of present day low seismic activity: the example of western Europe. Soil Dynamics and Earthquake Engineering, 2000, 20, 405-414.	3.8	30
74	Seismic hazard in regions of present day low seismic activity: uncertainties in the paleoseismic investigations along the Bree Fault Scarp (Roer Graben, Belgium). Soil Dynamics and Earthquake Engineering, 2000, 20, 415-427.	3.8	19
75	Seismogenic potential and earthquake hazard assessment in the Tell Atlas of Algeria. Journal of Seismology, 2000, 4, 79-98.	1.3	70
76	Coastal Tectonics across the South Atlas Thrust Front and the Agadir Active Zone, Morocco. Geological Society Special Publication, 1999, 146, 239-253.	1.3	23
77	Late Quaternary earthquake-related soft-sediment deformation along the Belgian portion of the Feldbiss Fault, Lower Rhine Graben system. Tectonophysics, 1999, 309, 57-79.	2.2	99
78	Fault fragment control in the 1997 Umbria-Marche, central Italy, Earthquake Sequence. Geophysical Research Letters, 1999, 26, 1069-1072.	4.0	31
79	Geological and geophysical evidence for large palaeo-earthquakes with surface faulting in the Roer Graben (northwest Europe). Geophysical Journal International, 1998, 132, 347-362.	2.4	110
80	A major seismogenic fault in a â€˜silent area': the Castrovillari fault (southern Apennines, Italy). Geophysical Journal International, 1997, 130, 595-605.	2.4	69
81	Earthquake-induced flooding and paleoseismicity of the El Asnam, Algeria, fault-related fold. Journal of Geophysical Research, 1996, 101, 17617-17644.	3.3	88
82	Goringe-Alboran-Tell tectonic zone: A transpression system along the Africa-Eurasia plate boundary. Geology, 1996, 24, 755.	4.4	138
83	Seismotectonics in the Tell Atlas of Algeria: the Cavaignac (Abou El Hassan) earthquake of 25.08.1922 (Ms = 5.9). Tectonophysics, 1995, 248, 263-276.	2.2	47
84	The 18 August 1994 Mascara (Algeria) earthquake?a quick-look report. Terra Nova, 1994, 6, 634-638.	2.1	19
85	Blind reverse faulting system associated with the Mont Chenouaâ€Tipaza earthquake of 29 October 1989 (northâ€central Algeria). Terra Nova, 1991, 3, 84-92.	2.1	77
86	Late Holocene earthquake sequences on the El Asnam (Algeria) thrust fault. Earth and Planetary Science Letters, 1988, 90, 187-203.	4.4	52
87	Trench investigations through the trace of the 1980 El Asnam thrust fault: Evidence for paleoseismicity. Bulletin of the Seismological Society of America, 1988, 78, 979-999.	2.3	67
88	The Constantine (northeast Algeria) earthquake of October 27, 1985: surface ruptures and aftershock study. Earth and Planetary Science Letters, 1987, 85, 451-460.	4.4	65
89	Seismotectonics of the Lower Cheliff Basin: Structural background of the El Asnam (Algeria) Earthquake. Tectonics, 1986, 5, 809-836.	2.8	102
90	Structural analysis and interpretation of the surface deformations of the El Asnam Earthquake of October 10, 1980. Tectonics, 1983, 2, 17-49.	2.8	298

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91	Seismotectonics of the El Asnam earthquake. Nature, 1981, 292, 26-31.	27.8	99
92	Coseismic and cumulative costal deformations along the 2003 Zemmouri earthquake area (Mw 6.8, Tell) Tj ETQq0 0 0 rgBT /Overlock 10	1.2	0