

Patricia MartÃ-nez-GarzÃ³n

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,355
citations

430874

18
h-index

345221

36
g-index

54
all docs

54
docs citations

54
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling fluid-induced seismicity during a 6.1-km-deep geothermal stimulation in Finland. <i>Science Advances</i> , 2019, 5, eaav7224.	10.3	148
2	MSATSI: A MATLAB Package for Stress Inversion Combining Solid Classic Methodology, a New Simplified User-Handling, and a Visualization Tool. <i>Seismological Research Letters</i> , 2014, 85, 896-904.	1.9	123
3	Stress tensor changes related to fluid injection at The Geysers geothermal field, California. <i>Geophysical Research Letters</i> , 2013, 40, 2596-2601.	4.0	93
4	Spatiotemporal changes, faulting regimes, and source parameters of induced seismicity: A case study from The Geysers geothermal field. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8378-8396.	3.4	93
5	First field application of cyclic soft stimulation at the Pohang Enhanced Geothermal System site in Korea. <i>Geophysical Journal International</i> , 2019, 217, 926-949.	2.4	90
6	Effects of long-term fluid injection on induced seismicity parameters and maximum magnitude in northwestern part of The Geysers geothermal field. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7085-7101.	3.4	88
7	Maximum earthquake magnitudes along different sections of the North Anatolian fault zone. <i>Tectonophysics</i> , 2016, 674, 147-165.	2.2	82
8	A refined methodology for stress inversions of earthquake focal mechanisms. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8666-8687.	3.4	78
9	Volumetric components in the earthquake source related to fluid injection and stress state. <i>Geophysical Research Letters</i> , 2017, 44, 800-809.	4.0	64
10	Repeating Marmara Sea earthquakes: indication for fault creep. <i>Geophysical Journal International</i> , 2017, 210, 332-339.	2.4	45
11	Impact of fluid injection on fracture reactivation at The Geysers geothermal field. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7432-7449.	3.4	40
12	Insights Into Complex Subdecimeter Fracturing Processes Occurring During a Water Injection Experiment at Depth in Åspö Hard Rock Laboratory, Sweden. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 6616-6635.	3.4	36
13	A unified earthquake catalogue for the Sea of Marmara Region, Turkey, based on automatized phase picking and travel-time inversion: Seismotectonic implications. <i>Tectonophysics</i> , 2018, 747-748, 416-444.	2.2	35
14	Sensitivity of stress inversion of focal mechanisms to pore pressure changes. <i>Geophysical Research Letters</i> , 2016, 43, 8441-8450.	4.0	29
15	Seismic Moment Evolution During Hydraulic Stimulations. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086185.	4.0	27
16	Comparative Study of Earthquake Clustering in Relation to Hydraulic Activities at Geothermal Fields in California. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4041-4062.	3.4	26
17	A Two-Scale Preparation Phase Preceded an Mw 5.8 Earthquake in the Sea of Marmara Offshore Istanbul, Turkey. <i>Seismological Research Letters</i> , 2020, 91, 3139-3147.	1.9	22
18	Evolution of seismicity in relation to fluid injection in the North-Western part of The Geysers geothermal field. <i>Geophysical Journal International</i> , 2018, 212, 1157-1166.	2.4	21

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19	Microearthquakes preceding a M4.2 Earthquake Offshore Istanbul. <i>Scientific Reports</i> , 2018, 8, 16176.	3.3	20
20	Detailed analysis of spatiotemporal variations of the stress field orientation along the Izmit-Düzce rupture in NW Turkey from inversion of first-motion polarity data. <i>Geophysical Journal International</i> , 2015, 202, 2120-2132.	2.4	18
21	Slow strain release along the eastern Marmara region offshore Istanbul in conjunction with enhanced local seismic moment release. <i>Earth and Planetary Science Letters</i> , 2019, 510, 209-218.	4.4	18
22	Temporal static stress drop variations due to injection activity at The Geysers geothermal field, California. <i>Geophysical Research Letters</i> , 2017, 44, 7168-7176.	4.0	16
23	Spatiotemporal Variations of Stress and Strain Parameters in the San Jacinto Fault Zone. <i>Pure and Applied Geophysics</i> , 2019, 176, 1145-1168.	1.9	16
24	Seismicity during and after stimulation of a 6.1-km deep enhanced geothermal system in Helsinki, Finland. <i>Solid Earth</i> , 2021, 12, 581-594.	2.8	15
25	Scaling of maximum observed magnitudes with geometrical and stress properties of strike-slip faults. <i>Geophysical Research Letters</i> , 2015, 42, 10,230.	4.0	13
26	Seismic clustering in the Sea of Marmara: Implications for monitoring earthquake processes. <i>Tectonophysics</i> , 2019, 768, 228176.	2.2	13
27	Microseismic Monitoring of CO2 Injection at the Penn West Enhanced Oil Recovery Pilot Project, Canada: Implications for Detection of Wellbore Leakage. <i>Sensors</i> , 2013, 13, 11522-11538.	3.8	12
28	Estimation of the differential stress from the stress rotation angle in low permeable rock. <i>Geophysical Research Letters</i> , 2017, 44, 6761-6770.	4.0	12
29	Crustal Thickness Variation Across the Sea of Marmara Region, NW Turkey: A Reflection of Modern and Ancient Tectonic Processes. <i>Tectonics</i> , 2020, 39, e2019TC005986.	2.8	8
30	Near-Fault Monitoring Reveals Combined Seismic and Slow Activation of a Fault Branch within the Istanbul-Marmara Seismic Gap in Northwest Turkey. <i>Seismological Research Letters</i> , 2021, 92, 3743-3756.	1.9	8
31	Variations of Stress Parameters in the Southern California Plate Boundary Around the South Central Transverse Ranges. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019482.	3.4	7
32	Analysis of Microseismicity Framing M L > 2.5 Earthquakes at The Geysers Geothermal Field, California. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8823-8843.	3.4	6
33	Stress Inversion of Regional Seismicity in the Sea of Marmara Region, Turkey. <i>Pure and Applied Geophysics</i> , 2019, 176, 1269-1291.	1.9	6
34	Contemporary stress and strain field in the Mediterranean from stress inversion of focal mechanisms and GPS data. <i>Tectonophysics</i> , 2020, 774, 228286.	2.2	6
35	Does Deep Tectonic Tremor Occur in the Central-Eastern Mediterranean Basin?. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, 2020JB020448.	3.4	4
36	Earthquake Source Mechanisms and Stress Field Variations Associated With Wastewater-Induced Seismicity in Southern Kansas, USA. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021625.	3.4	4

#	ARTICLE	IF	CITATIONS
37	Induced earthquake potential in geothermal reservoirs: Insights from The Geysers, California. The Leading Edge, 2020, 39, 873-882.	0.7	4
38	Surface dynamic deformation estimates from local seismicity: the Itoiz reservoir, Spain. Journal of Seismology, 2016, 20, 1021-1039.	1.3	3