

Semih Ergintav

List of Publications by Year in descending order

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156536

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86
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86
docs citations

86
times ranked

4466
citing authors

#	ARTICLE	IF	CITATIONS
1	Active seismotectonics of the East Anatolian Fault. <i>Geophysical Journal International</i> , 2022, 230, 50-69.	1.0	59
2	New focal mechanisms reveal fragmentation and active subduction of the Antalya slab in the Eastern Mediterranean. <i>Tectonophysics</i> , 2021, 805, 228792.	0.9	4
3	From Interseismic Deformation With Near-Repeating Earthquakes to Co-Seismic Rupture: A Unified View of the 2020 M_w 6.8 Sivrice (Elazığ) Eastern Turkey Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021830.	1.4	20
4	The moderate size 2019 September M_w 5.8 Silivri earthquake unveils the complexity of the Main Marmara Fault shear zone. <i>Geophysical Journal International</i> , 2020, 224, 377-388.	1.0	18
5	Present GPS velocity field along 1999 Izmit rupture zone: evidence for continuing afterslip 20 yr after the earthquake. <i>Geophysical Journal International</i> , 2020, 224, 2016-2027.	1.0	10
6	Slip distribution of the 2017 M_w 6.6 Bodrum-Kos earthquake: resolving the ambiguity of fault geometry. <i>Geophysical Journal International</i> , 2019, 219, 911-923.	1.0	18
7	Interseismic strain build-up on the submarine North Anatolian Fault offshore Istanbul. <i>Nature Communications</i> , 2019, 10, 3006.	5.8	37
8	Reactivation of the Adıyaman Fault (Turkey) through the M_w 5.7 2007 Sivrice earthquake: An oblique listric normal faulting within the Arabian-Anatolian plate boundary observed by InSAR. <i>Journal of Geodynamics</i> , 2019, 131, 101654.	0.7	15
9	Shallow Creep Along the 1999 Izmit Earthquake Rupture (Turkey) From GPS and High Temporal Resolution Interferometric Synthetic Aperture Radar Data (2011-2017). <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 2218-2236.	1.4	37
10	The 2014, M_w 6.9 North Aegean earthquake: seismic and geodetic evidence for coseismic slip on persistent asperities. <i>Geophysical Journal International</i> , 2018, 213, 1113-1120.	1.0	17
11	Evolution of seismic hazard maps in Turkey. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 3197-3228.	2.3	45
12	Seismotectonic database of Turkey. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 3277-3316.	2.3	58
13	A probabilistic seismic hazard assessment for the Turkish territory: part II - fault source and background seismicity model. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 3399-3438.	2.3	27
14	Evidence for Tear Faulting from New Constraints of the 23 October 2011 M_w 7.1 Van, Turkey, Earthquake Based on InSAR, GPS, Coastal Uplift, and Field Observations. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1929-1946.	1.1	9
15	Analysis of Secular Ground Motions in Istanbul from a Long-Term InSAR Time-Series (1992-2017). <i>Remote Sensing</i> , 2018, 10, 408.	1.8	36
16	POST-GLACIAL TERRACES OF THE MARMARA SEA AND WATER EXCHANGE PERIODS. <i>Bulletin of the Mineral Research and Exploration</i> , 2018, , .	0.5	1
17	Estimation of seismic quality factor: Artificial neural networks and current approaches. <i>Journal of Applied Geophysics</i> , 2017, 136, 269-278.	0.9	10
18	An L-band interferometric synthetic aperture radar study on the Ganos section of the north Anatolian fault zone between 2007 and 2011: Evidence for along strike segmentation and creep in a shallow fault patch. <i>PLoS ONE</i> , 2017, 12, e0185422.	1.1	1

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19	Secondary Fault Activity of the North Anatolian Fault near Avcilar, Southwest of Istanbul: Evidence from SAR Interferometry Observations. <i>Remote Sensing</i> , 2016, 8, 846.	1.8	6
20	Surface creep on the North Anatolian Fault at Ismetpasa, Turkey, 1944â€“2016. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7409-7431.	1.4	55
21	No significant steady state surface creep along the North Anatolian Fault offshore Istanbul: Results of 6â€‰months of seafloor acoustic ranging. <i>Geophysical Research Letters</i> , 2016, 43, 6817-6825.	1.5	34
22	Fault locking near Istanbul: indication of earthquake potential from InSAR and GPS observations. <i>Geophysical Journal International</i> , 2016, 205, 490-498.	1.0	21
23	Geochemical Monitoring Along the T _{1/4} rkoÄŸlu (KahramanmaraÄŸ)-GÄŸlbaÄŸÄ± (AdÄ±yaman) Segments of the East Anatolian Fault System. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 5521-5536.	1.1	8
24	Postseismic deformation following the <i>M_w</i> 7.2, 23 October 2011 Van earthquake (Turkey): Evidence for aseismic fault reactivation. <i>Geophysical Research Letters</i> , 2014, 41, 2334-2341.	1.5	29
25	Extent and distribution of aseismic slip on the IsmetpaÄŸa segment of the North Anatolian Fault (Turkey) from Persistent Scatterer InSAR. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2883-2894.	1.0	67
26	InSAR velocity field across the North Anatolian Fault (eastern Turkey): Implications for the loading and release of interseismic strain accumulation. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7934-7943.	1.4	29
27	Istanbul's earthquake hot spots: Geodetic constraints on strain accumulation along faults in the Marmara seismic gap. <i>Geophysical Research Letters</i> , 2014, 41, 5783-5788.	1.5	136
28	An environmentally-friendly integrated seismic imaging for coal exploration in the Miocene Soma Basin, Western Turkey. <i>International Journal of Oil, Gas and Coal Technology</i> , 2014, 7, 399.	0.1	4
29	Kinematics of landslide estimated by repeated GPS measurements in the Avcilar region of Istanbul, Turkey. <i>Studia Geophysica Et Geodaetica</i> , 2013, 57, 217-232.	0.3	13
30	Establishment of a gravity calibration baseline with the constrain of absolute gravity measurements after 17 August 1999 Izmit earthquake in Marmara region, Turkey. <i>Acta Geodaetica Et Geophysica</i> , 2013, 48, 377-388.	0.7	0
31	Kinematic study at the junction of the East Anatolian fault and the Dead Sea fault from GPS measurements. <i>Journal of Geodynamics</i> , 2013, 67, 30-39.	0.7	70
32	GPS constraints on active deformation in the Isparta Angle region of SW Turkey. <i>Geophysical Journal International</i> , 2013, 195, 1455-1463.	1.0	37
33	Present-day strain distribution across a segment of the central bend of the North Anatolian Fault Zone from a Persistent-Scatterers InSAR analysis of the ERS and Envisat archives. <i>Geophysical Journal International</i> , 2013, 192, 929-945.	1.0	16
34	PRE-EARTHQUAKES, an FP7 project for integrating observations and knowledges on earthquake precursors: Preliminary results and strategy. , 2012, , .		2
35	Microplate boundaries as obstacles to pre-earthquake strain transfer in Western Turkey: Inferences from continuous geochemical monitoring. <i>Journal of Asian Earth Sciences</i> , 2012, 48, 56-71.	1.0	12
36	Onset of aseismic creep on major strike-slip faults. <i>Geology</i> , 2012, 40, 1115-1118.	2.0	66

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37	Seasonal variations in soil radon emanation: long-term continuous monitoring in light of seismicity. <i>Natural Hazards</i> , 2012, 62, 575-591.	1.6	25
38	Crustal deformation and kinematics of the Eastern Part of the North Anatolian Fault Zone (Turkey) from GPS measurements. <i>Tectonophysics</i> , 2012, 518-521, 55-62.	0.9	83
39	Shear wave splitting as a proxy for stress forecast of the case of the 2006 Manyas-Kus Golu (<i>M</i>= 5.3) earthquake. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 1073-1084.	1.5	2
40	Aftershock study and seismotectonic implications of the 8 March 2010 KovancÄ±lar (ElazÄ±Ä±, Turkey) earthquake ($M_w = 6.1$). <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	33
41	Determining and modeling tectonic movements along the central part of the North Anatolian Fault (Turkey) using geodetic measurements. <i>Journal of Geodynamics</i> , 2011, 51, 339-343.	0.7	51
42	Structural framework of onshore and offshore AvcÄ±lar, Ä°stanbul under the influence of the North Anatolian fault. <i>Geophysical Journal International</i> , 2011, 185, 93-105.	1.0	19
43	Investigation of 3-D basin structures in the Ä±zmit Bay area (Turkey) by single-station microtremor and gravimetric methods. <i>Geophysical Journal International</i> , 2011, 186, 883-894.	1.0	81
44	Monitoring of the ionosphere TEC variations during the 17th August 1999 Izmit earthquake using GPS data. <i>Earth, Planets and Space</i> , 2011, 63, 1183-1192.	0.9	22
45	Multi-disciplinary earthquake researches in Western Turkey: Hints to select sites to study geochemical transients associated to seismicity. <i>Acta Geophysica</i> , 2010, 58, 767-813.	1.0	17
46	Geodetic constraints on present-day motion of the Arabian Plate: Implications for Red Sea and Gulf of Aden rifting. <i>Tectonics</i> , 2010, 29, .	1.3	174
47	Kinematics of the eastern part of the North Anatolian Fault Zone. <i>Journal of Geodynamics</i> , 2010, 49, 141-150.	0.7	66
48	Geodetic constraints on the tectonic evolution of the Aegean region and strain accumulation along the Hellenic subduction zone. <i>Tectonophysics</i> , 2010, 488, 22-30.	0.9	263
49	EMD-based analysis and denoising of GPS data. , 2009, , .		8
50	Ground deformation in an area later damaged by an earthquake: monitoring the Avcilar district of Istanbul, Turkey, by satellite radar interferometry 1992-1999. <i>Geophysical Journal International</i> , 2009, 178, 976-988.	1.0	15
51	Afterslip and viscoelastic relaxation following the 1999 $M_w = 7.4$ Ä±zmit earthquake from GPS measurements. <i>Geophysical Journal International</i> , 2009, 178, 1220-1237.	1.0	98
52	Seven years of postseismic deformation following the 1999, $M_w = 7.4$ and $M_w = 7.2$, IzmitÄ±zce, Turkey earthquake sequence. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	90
53	Izmit earthquake postseismic deformation and dynamics of the North Anatolian Fault Zone. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	117
54	A GIS model for settlement suitability regarding disaster mitigation, a case study in Bolu Turkey. <i>Engineering Geology</i> , 2008, 96, 126-140.	2.9	25

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55	Geochemical monitoring in the Marmara region (NW Turkey): A search for precursors of seismic activity. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	69
56	Estimation of Spectral Exponent Parameter of Process in Additive White Background Noise. <i>Eurasip Journal on Advances in Signal Processing</i> , 2007, 2007, .	1.0	8
57	A snapshot (2003â€“2005) of the 3D postseismic deformation for the 1999, Mw=7.4 İzmit earthquake in the Marmara Region, Turkey, by first results of joint gravity and GPS monitoring. <i>Journal of Geodynamics</i> , 2007, 44, 1-18.	0.7	36
58	Turkey makes major investment in earthquake research. <i>Eos</i> , 2007, 88, 333-334.	0.1	25
59	GPS constraints on continental deformation in the Africa-Arabia-Eurasia continental collision zone and implications for the dynamics of plate interactions. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	1,421
60	The 1994â€“2004 Al Hoceima (Morocco) earthquake sequence: Conjugate fault ruptures deduced from InSAR. <i>Earth and Planetary Science Letters</i> , 2006, 252, 467-480.	1.8	51
61	GPS Measurements along the North Anatolian Fault Zone on the Mid-Anatolia Segment. , 2006, , 166-171.		0
62	Creeping along the İsmetpaşa section of the North Anatolian fault (Western Turkey): Rate and extent from InSAR. <i>Earth and Planetary Science Letters</i> , 2005, 238, 225-234.	1.8	93
63	TESTING A MULTIPLE REFERENCE STATION GPS NETWORK FOR REAL-TIME CARRIER-PHASE-BASED POSITIONING IN THE MARMARA REGION, TURKEY. <i>Survey Review</i> , 2004, 37, 568-576.	0.7	2
64	Estimation of the time-dependent crustal movements of the İzmit Earthquake. <i>Journal of Geodynamics</i> , 2003, 36, 615-632.	0.7	6
65	A study of the tectonically active Marmara region, Turkey, using a global positioning system (GPS). <i>Canadian Journal of Earth Sciences</i> , 2003, 40, 1191-1202.	0.6	2
66	DISCUSSION ON STANDARD AND ROBUST KALMAN FILTERS, USING POST-EARTHQUAKE DATA SET OF 17 AUGUST 1999 İZMIT EARTHQUAKE. <i>Survey Review</i> , 2003, 37, 190-199.	0.7	0
67	Postseismic Deformation near the İzmit Earthquake (17 August 1999, M 7.5) Rupture Zone. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 194-207.	1.1	69
68	Interseismic Strain Accumulation in the Marmara Sea Region. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 216-229.	1.1	39
69	Time-Dependent Distributed Afterslip on and Deep below the İzmit Earthquake Rupture. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 126-137.	1.1	179
70	Estimates of Seismic Potential in the Marmara Sea Region from Block Models of Secular Deformation Constrained by Global Positioning System Measurements. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 208-215.	1.1	200
71	Estimating Slip Distribution for the İzmit Mainshock from Coseismic GPS, ERS-1, RADARSAT, and SPOT Measurements. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 138-160.	1.1	80
72	Coseismic and Postseismic Fault Slip for the 17 August 1999, M = 7.5, İzmit, Turkey Earthquake. <i>Science</i> , 2000, 289, 1519-1524.	6.0	273

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73	Global Positioning System constraints on plate kinematics and dynamics in the eastern Mediterranean and Caucasus. <i>Journal of Geophysical Research</i> , 2000, 105, 5695-5719.	3.3	1,168
74	Global Positioning System constraints on plate kinematics and dynamics in the eastern Mediterranean and Caucasus. <i>Journal of Geophysical Research</i> , 2000, 105, 5695-5719.	3.3	642
75	Character of active faulting in the North Aegean Sea. <i>Marine Geology</i> , 1999, 160, 339-353.	0.9	29
76	Attenuation of coda waves in Western Anatolia. <i>Physics of the Earth and Planetary Interiors</i> , 1994, 87, 155-165.	0.7	100
77	Reply by the authors to N. S. Rajan. <i>Geophysics</i> , 1993, 58, 1060-1060.	1.4	0
78	Reply by the authors to B. Zhou. <i>Geophysics</i> , 1992, 57, 197-197.	1.4	0
79	Solving elastic wave equations with the Hartley method. <i>Geophysics</i> , 1991, 56, 274-278.	1.4	12
80	The use of the Hartley transform in geophysical applications. <i>Geophysics</i> , 1990, 55, 1488-1495.	1.4	21
81	Clustering sea bottom texture. , 0, , .		0
82	Extended kalman filter sensor fusion and application to mobile robot. , 0, , .		2
83	GPS Data Modeling and GPS Noise Analysis. , 0, , .		0
84	Bala (Ankara) Earthquakes: Implications for Shallow Crustal Deformation in Central Anatolian Section of the Anatolian Platelet (Turkey). <i>Turkish Journal of Earth Sciences</i> , 0, , .	0.4	4
85	The effect of the 3â€ Structure on Strain Accumulation and the Interseismic Behavior along the North Anatolian Fault in the Sea of Marmara. <i>Journal of Geophysical Research: Solid Earth</i> , 0, , .	1.4	1