

Tuna Eken

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

876
citations

471371
17
h-index

501076
28
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41
all docs

41
docs citations

41
times ranked

899
citing authors

#	ARTICLE	IF	CITATIONS
1	An earthquake gap south of Istanbul. <i>Nature Communications</i> , 2013, 4, 1999.	5.8	105
2	The East Anatolian Fault Zone: Seismotectonic setting and spatiotemporal characteristics of seismicity based on precise earthquake locations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	82
3	Seismogenic zones in Eastern Turkey. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	73
4	Thickness of the lithosphere beneath Turkey and surroundings from S-receiver functions. <i>Solid Earth</i> , 2015, 6, 971-984.	1.2	72
5	Source Mechanism and Rupture Process of the 24 January 2020 Mw 6.7 DoÄŸanyolâ€™Sivrice Earthquake obtained from Seismological Waveform Analysis and Space Geodetic Observations on the East Anatolian Fault Zone (Turkey). <i>Tectonophysics</i> , 2021, 804, 228745.	0.9	45
6	Upper-mantle structure of the Baltic Shield below the Swedish National Seismological Network (SNSN) resolved by teleseismic tomography. <i>Geophysical Journal International</i> , 2007, 169, 617-630.	1.0	38
7	Numerical simulation of 3-D mantle flow evolution in subduction zone environments in relation to seismic anisotropy beneath the eastern Mediterranean region. <i>Earth and Planetary Science Letters</i> , 2018, 497, 50-61.	1.8	32
8	S and P velocity heterogeneities within the upper mantle below the Baltic Shield. <i>Tectonophysics</i> , 2008, 462, 109-124.	0.9	29
9	Seismic anisotropy of the mantle lithosphere beneath the Swedish National Seismological Network (SNSN). <i>Tectonophysics</i> , 2010, 480, 241-258.	0.9	27
10	Seismic anisotropy in central North Anatolian Fault Zone and its implications on crustal deformation. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 277, 99-112.	0.7	26
11	Scandinavia: A former Tibet?. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4479-4487.	1.0	25
12	Seismic Anisotropy from SKS Splitting beneath Northeastern Tibet. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 3362-3371.	1.1	25
13	Crustal Anisotropy in the Eastern Sea of Marmara Region in Northwestern Turkey. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 911-924.	1.1	25
14	Effects of seismic anisotropy on P-velocity tomography of the Baltic Shield. <i>Geophysical Journal International</i> , 2012, 188, 600-612.	1.0	21
15	A new Moho boundary map for the northern Fennoscandian Shield based on combined controlled-source seismic and receiver function data. <i>GeoResJ</i> , 2014, 1-2, 19-32.	1.4	20
16	An application of the coda methodology for moment-rate spectra using broadband stations in Turkey. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	19
17	Receiver function images of the base of the lithosphere in the Alboran Sea region. <i>Geophysical Journal International</i> , 2011, 187, 1019-1026.	1.0	18
18	Significant seismic anisotropy beneath southern Tibet inferred from splitting of direct S-waves. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 250, 1-11.	0.7	18

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19	Anisotropic lithosphere under the Fennoscandian shield from P receiver functions and SKS waveforms of the POLENET/LAPNET array. <i>Tectonophysics</i> , 2014, 628, 45-54.	0.9	17
20	Influence of Upper Mantle Anisotropy on Isotropic P -Wave Tomography Images Obtained in the Eastern Mediterranean Region. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018559.	1.4	17
21	Investigation of mantle kinematics beneath the Hellenic-subduction zone with teleseismic direct shear waves. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 261, 141-151.	0.7	16
22	Fault Model for the 2015 Leucas (Aegean Arc) Earthquake: Analysis Based on Seismological and Geodetic Observations. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 433-444.	1.1	16
23	The Use of Direct Shear Waves in Quantifying Seismic Anisotropy: Exploiting Regional Arrays. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 2644-2661.	1.1	14
24	Seismic Anisotropy Beneath the Pamir and the Hindu Kush: Evidence for Contributions From Crust, Mantle Lithosphere, and Asthenosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 10,727.	1.4	13
25	Isotropic and Anisotropic P -Wave Velocity Structures of the Crust and Uppermost Mantle Beneath Turkey. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019566.	1.4	13
26	Localized crustal deformation along the central North Anatolian Fault Zone revealed by joint inversion of P -receiver functions and P -wave polarizations. <i>Geophysical Journal International</i> , 2019, 217, 682-702.	1.0	12
27	Kinematics of the 30 October 2020 Mw 7.0 Θ on Karlov \ddot{a} ision (Samos) earthquake in the Eastern Aegean Sea: Implications on source characteristics and dynamic rupture simulations. <i>Tectonophysics</i> , 2022, 826, 229223.	0.9	12
28	Seismic anisotropy inferred from direct S -wave-derived splitting measurements and its geodynamic implications beneath southeastern Tibetan Plateau. <i>Solid Earth</i> , 2017, 8, 435-452.	1.2	7
29	Imaging of shear wave attenuation along the central part of the North Anatolian Fault Zone, Turkey. <i>Journal of Seismology</i> , 2019, 23, 913-927.	0.6	7
30	Seismic anisotropy and mantle deformation in NW Iran inferred from splitting measurements of SK(K)S and direct S phases. <i>Geophysical Journal International</i> , 2021, 226, 1417-1431.	1.0	7
31	Moment magnitude estimates for central Anatolian earthquakes using coda waves. <i>Solid Earth</i> , 2019, 10, 713-723.	1.2	6
32	Source characteristics and seismotectonic implications of the 26 September 2019 M w 5.7 Silivri High-Kumburgaz Basin earthquake and evaluation of its aftershocks at the North Anatolian Fault Zone (Central Marmara Sea, NW Turkey). <i>Geophysical Journal International</i> , 2021, 227, 383-402.	1.0	6
33	Crustal seismic attenuation parameters in the western region of the North Anatolian Fault Zone. <i>Journal of Geodynamics</i> , 2020, 134, 101694.	0.7	5
34	First results from the North Iceland experiment. <i>Marine Geophysical Researches</i> , 2006, 27, 267-281.	0.5	4
35	Upper mantle dynamics of Bangladesh by splitting analysis of core-mantle refracted SKS, PKS, and SKKS phases. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 279, 21-32.	0.7	2
36	Seismic anisotropy and mantle deformation beneath Eastern Ghats Mobile Belt using direct-S waves. <i>Precambrian Research</i> , 2021, 360, 106215.	1.2	1

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37	New Insights Into Crustal Properties of Anatolia and Its Surroundings Inferred From Pá€Coda Autocorrelation Inversions. Journal of Geophysical Research: Solid Earth, 2021, 126, .	1.4	1