Ayoub Kaviani

List of Publications by Year
in descending order

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24	817	567281 15	642732 23
papers	citations	h-index	g-index

31	31	31	582
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seismological evidence for crustal-scale thrusting in the Zagros mountain belt (Iran). Geophysical Journal International, 2006, 166, 227-237.	2.4	176
2	Seismic imaging of the lithospheric structure of the Zagros mountain belt (Iran). Geological Society Special Publication, 2010, 330, 5-18.	1.3	124
3	A strong seismic velocity contrast in the shallow mantle across the Zagros collision zone (Iran). Geophysical Journal International, 2007, 171, 399-410.	2.4	86
4	Crustal and uppermost mantle shear wave velocity structure beneath the Middle East from surface wave tomography. Geophysical Journal International, 2020, 221, 1349-1365.	2.4	55
5	Shear-wave splitting, lithospheric anisotropy, and mantle deformation beneath the Arabiaâ€“Eurasia collision zone in Iran. Earth and Planetary Science Letters, 2009, 286, 371-378.	4.4	51
6	Ps-splitting analysis for multilayered anisotropic media by azimuthal stacking and layer stripping. Geophysical Journal International, 2014, 199, 146-163.	2.4	48
7	Mantle Transition Zone Thickness Beneath the Middle East: Evidence for Segmented Tethyan Slabs, Delaminated Lithosphere, and Lower Mantle Upwelling. Journal of Geophysical Research: Solid Earth, 2018, 123, 4886-4905.	3.4	28
8	High resolution image of uppermost mantle beneath NE Iran continental collision zone. Physics of the Earth and Planetary Interiors, 2012, 208-209, 38-49.	1.9	27
9	Upper-mantle velocity structure beneath the Zagros collision zone, Central Iran and Alborz from nonlinear teleseismic tomography. Geophysical Journal International, 2019, 218, 414-428.	2.4	26
10	The structure of the crust in the Turkishâ€“Iranian Plateau and Zagros using Lg Q and velocity. Geophysical Journal International, 2015, 200, 1254-1268.	2.4	25
11	The Southern Zagros Collisional Orogen: New Insights From Transdimensional Trees Inversion of Seismic Noise. Geophysical Research Letters, 2020, 47, e2019GL086258.	4.0	25
12	Mantle-flow diversion beneath the Iranian plateau induced by Zagrosâ€™ lithospheric keel. Scientific Reports, 2021, 11, 2848.	3.3	20
13	Short-scale variations of shear-wave splitting across the Dead Sea basin: Evidence for the effects of sedimentary fill. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	17
14	Upper-mantle S-velocity structure across the Zagros collision zone resolved by nonlinear teleseismic tomography. Journal of Seismology, 2011, 15, 329-339.	1.3	17
15	Investigation of seismic anisotropy beneath the Dead Sea fault using dense networks of broadband stations. Journal of Geophysical Research: Solid Earth, 2013, 118, 3476-3491.	3.4	15
16	Moment Magnitudes of Local/Regional Events from 1D Coda Calibrations in the Broader Middle East Region. Bulletin of the Seismological Society of America, 2016, 106, 1926-1938.	2.3	15
17	Shear wave velocity structure of the upper-mantle beneath the northern Zagros collision zone revealed by nonlinear teleseismic tomography and Bayesian Monte-Carlo joint inversion of surface wave dispersion and teleseismic P-wave coda. Physics of the Earth and Planetary Interiors, 2020, 300, 106444.	1.9	15
18	Generalization of the Hâ€Ÿ stacking method to anisotropic media. Journal of Geophysical Research: Solid Earth, 2015, 120, 5135-5153.	3.4	14

#	Article	IF	Citations
19	Crustal and Mantle Deformation Inherited From Obduction of the Semail Ophiolite (Oman) and Continental Collision (Zagros). Tectonics, 2021, 40, e2020TC006644.	2.8	10
20	The effect of crustal anisotropy on SKS splitting analysisâ€"synthetic models and real-data observations. Geophysical Journal International, 2018, 213, 1426-1447.	2.4	8
21	Seismic attenuation tomography of the Sn phase beneath the Turkish-Iranian Plateau and the Zagros mountain belt. , 2022, 18, 1377-1393.		7
22	The crustal structure beneath Mauritius from teleseismic P receiver functions: Oceanic or continental?. Geophysical Research Letters, 2016, 43, 9636-9643.	4.0	4
23	Simultaneous inversion for crustal thickness and anisotropy by multiphase splitting analysis of receiver functions. Geophysical Journal International, 2020, 223, 2009-2026.	2.4	3
24	Investigating the strength and trend of seismic anisotropy in the western part of Makran subduction zone and southeast of Iran. Physics of the Earth and Planetary Interiors, 2020, 298, 106345.	1.9	1