

# J Michael Kendall

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226 papers	7,323 citations	46 h-index	72 g-index
268 ext. papers	8,456 ext. citations	5.5 avg, IF	6.19 L-index

#	Paper	IF	Citations
226	From slab to surface: Earthquake evidence for fluid migration at Uturuncu volcano, Bolivia. <i>Earth and Planetary Science Letters</i> , <b>2022</b> , 577, 117268	5.3	2
225	The meaning of net zero and how to get it right. <i>Nature Climate Change</i> , <b>2022</b> , 12, 15-21	21.4	26
224	Upper Mantle Anisotropic Shear Velocity Structure at the Equatorial Mid-Atlantic Ridge Constrained by Rayleigh Wave Group Velocity Analysis From the PI-LAB Experiment. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2020GC009495	3.6	7
223	Not all Icequakes are Created Equal: Basal Icequakes Suggest Diverse Bed Deformation Mechanisms at Rutford Ice Stream, West Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2021</b> , 126, e2020JF006001	3.8	6
222	Large-Scale Fracture Systems Are Permeable Pathways for Fault Activation During Hydraulic Fracturing. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2020JB020311	3.6	13
221	Field measurements of fracture characteristics on a wave-cut platform. <i>Interpretation</i> , <b>2021</b> , 9, T453-T462	4.4	4
220	Distributed Acoustic Sensing (DAS) for Natural Microseismicity Studies: A Case Study From Antarctica. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2020JB021493	3.6	8
219	Subduction history of the Caribbean from upper-mantle seismic imaging and plate reconstruction. <i>Nature Communications</i> , <b>2021</b> , 12, 4211	17.4	7
218	Downhole distributed acoustic seismic profiling at Skytrain Ice Rise, West Antarctica. <i>Cryosphere</i> , <b>2021</b> , 15, 3443-3458	5.5	3
217	A dynamic lithosphere–asthenosphere boundary near the equatorial Mid-Atlantic Ridge. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 566, 116949	5.3	11
216	A Little Data Goes a Long Way: Automating Seismic Phase Arrival Picking at Nabro Volcano With Transfer Learning. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2021JB021910	3.6	0
215	A thin mantle transition zone beneath the equatorial Mid-Atlantic Ridge. <i>Nature</i> , <b>2021</b> , 589, 562-566	50.4	11
214	Conjugate Fault Deformation Revealed by Aftershocks of the 2013 Mw6.6 Lushan Earthquake and Seismic Anisotropy Tomography. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092563	4.9	1
213	Variation in Upper Plate Crustal and Lithospheric Mantle Structure in the Greater and Lesser Antilles From Ambient Noise Tomography. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2021GC009800	3.6	3
212	Shear Velocity Inversion Guided by Resistivity Structure From the PI-LAB Experiment for Integrated Estimates of Partial Melt in the Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2021JB022202	3.6	4
211	Tidal Triggering of Microseismicity at the Equatorial Mid-Atlantic Ridge, Inferred From the PI-LAB Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2021JB022251	3.6	3
210	Evaluating rock mass disturbance within open-pit excavations using seismic methods: A case study from the Hinkley Point C nuclear power station. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , <b>2021</b> , 13, 500-500	5.3	6

209	Brief communication: The role of geophysical imaging in local landslide early warning systems. <i>Natural Hazards and Earth System Sciences</i> , <b>2021</b> , 21, 3863-3871	3.9	1
208	Seismic Magnitudes, Corner Frequencies, and Microseismicity: Using Ambient Noise to Correct for High-Frequency Attenuation. <i>Bulletin of the Seismological Society of America</i> , <b>2020</b> , 110, 1260-1275	2.3	10
207	Variable water input controls evolution of the Lesser Antilles volcanic arc. <i>Nature</i> , <b>2020</b> , 582, 525-529	50.4	31
206	Application of machine learning to microseismic event detection in distributed acoustic sensing data. <i>Geophysics</i> , <b>2020</b> , 85, KS149-KS160	3.1	18
205	A potential post-perovskite province in D? beneath the Eastern Pacific: evidence from new analysis of discrepant SKS/BKKS shear-wave splitting. <i>Geophysical Journal International</i> , <b>2020</b> , 221, 2075-2090	2.6	4
204	Microseismic monitoring using a fibre-optic Distributed Acoustic Sensor (DAS) array. <i>Geophysics</i> , <b>2020</b> , 1-48	3.1	8
203	Lower-Crustal Seismicity on the Eastern Border Faults of the Main Ethiopian Rift. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB020030	3.6	3
202	Sediment structure at the equatorial mid-atlantic ridge constrained by seafloor admittance using data from the PI-LAB experiment. <i>Marine Geophysical Researches</i> , <b>2020</b> , 41, 3	2.3	7
201	Landslide monitoring using seismic refraction tomography – The importance of incorporating topographic variations. <i>Engineering Geology</i> , <b>2020</b> , 268, 105525	6	12
200	Wide-Angle Seismic Imaging of Two Modes of Crustal Accretion in Mature Atlantic Ocean Crust. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2019JB019100	3.6	12
199	Good vibrations: living with the motions of our unsettled planet. <i>Geoscience Communication</i> , <b>2020</b> , 3, 303-327	0.7	0
198	An examination of the continuous wavelet transform for volcano-seismic spectral analysis. <i>Journal of Volcanology and Geothermal Research</i> , <b>2020</b> , 389, 106728	2.8	12
197	Stress Transfer From Opening Hydraulic Fractures Controls the Distribution of Induced Seismicity. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2019JB018794	3.6	17
196	Back-propagating supershear rupture in the 2016 Mw 7.1 Romanche transform fault earthquake. <i>Nature Geoscience</i> , <b>2020</b> , 13, 647-653	18.3	16
195	Breaking the Ice: Identifying Hydraulically Forced Crevassing. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090597	4.9	2
194	Seismic anisotropy in deforming halite: evidence from the Mahogany salt body. <i>Geophysical Journal International</i> , <b>2020</b> , 223, 1672-1687	2.6	1
193	Evolution of the Oceanic Lithosphere in the Equatorial Atlantic From Rayleigh Wave Tomography, Evidence for Small-Scale Convection From the PI-LAB Experiment. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2020</b> , 21, e2020GC009174	3.6	16
192	Low-frequency earthquakes beneath Tullu Moya volcano, Ethiopia, reveal fluid pulses from shallow magma chamber. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 526, 115782	5.3	14

191	Local seismicity near the actively deforming Corbetti volcano in the Main Ethiopian Rift. <i>Journal of Volcanology and Geothermal Research</i> , <b>2019</b> , 381, 227-237	2.8	15
190	Investigating the role of elastostatic stress transfer during hydraulic fracturing-induced fault activation. <i>Geophysical Journal International</i> , <b>2019</b> ,	2.6	4
189	Lateral variation in crustal structure along the Lesser Antilles arc from petrology of crustal xenoliths and seismic receiver functions. <i>Earth and Planetary Science Letters</i> , <b>2019</b> , 516, 12-24	5.3	23
188	Constraining Recent Ice Flow History at Korff Ice Rise, West Antarctica, Using Radar and Seismic Measurements of Ice Fabric. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2019</b> , 124, 175-194	3.8	20
187	Real-Time Imaging, Forecasting, and Management of Human-Induced Seismicity at Preston New Road, Lancashire, England. <i>Seismological Research Letters</i> , <b>2019</b> ,	3	15
186	Seismicity of the Bora-Tullu Moye Volcanic Field, 2016-2017. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2019</b> , 20, 548-570	3.6	13
185	Geophysical Monitoring of Moisture-Induced Landslides: A Review. <i>Reviews of Geophysics</i> , <b>2019</b> , 57, 106-145	4.5	66
184	Seismicity During Continental Breakup in the Red Sea Rift of Northern Afar. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 2345-2362	3.6	22
183	Assessing the potential to use repeated ambient noise seismic tomography to detect CO2 leaks: Application to the Aquistore storage site. <i>International Journal of Greenhouse Gas Control</i> , <b>2018</b> , 71, 20-35	4.2	18
182	Characterising hydrothermal fluid pathways beneath Aluto volcano, Main Ethiopian Rift, using shear wave splitting. <i>Journal of Volcanology and Geothermal Research</i> , <b>2018</b> , 356, 331-341	2.8	13
181	Evidence for cross rift structural controls on deformation and seismicity at a continental rift caldera. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 487, 190-200	5.3	28
180	Seismicity induced by longwall coal mining at the Thoresby Colliery, Nottinghamshire, U.K.. <i>Geophysical Journal International</i> , <b>2018</b> , 212, 942-954	2.6	8
179	Sustained Uplift at a Continental Rift Caldera. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 5209-5226	3.6	17
178	Seasonal patterns of seismicity and deformation at the Alutu geothermal reservoir, Ethiopia, induced by hydrological loading. <i>Journal of Volcanology and Geothermal Research</i> , <b>2018</b> , 356, 175-182	2.8	11
177	Probing layered arc crust in the Lesser Antilles using receiver functions. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 180764	3.3	8
176	Marine Geophysical Investigation of the Chain Fracture Zone in the Equatorial Atlantic From the PI-LAB Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 11016-11030	3.6	14
175	Sediment Characterization at the Equatorial Mid-Atlantic Ridge From P-to-S Teleseismic Phase Conversions Recorded on the PI-LAB Experiment. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12244-12252	4.9	18
174	Initiation of a Proto-transform Fault Prior to Seafloor Spreading. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 4744	3.6	8

173	Imaging Lithospheric Discontinuities Beneath the Northern East African Rift Using -to- Receiver Functions. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 4048-4062	3.6	16
172	Crustal anisotropy and state of stress at Uturuncu Volcano, Bolivia, from shear-wave splitting measurements and magnitude-frequency distributions in seismicity. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 495, 38-49	5.3	11
171	Local Magnitude Discrepancies for Near-Event Receivers: Implications for the U.K. Traffic-Light Scheme. <i>Bulletin of the Seismological Society of America</i> , <b>2017</b> , 107, 532-541	2.3	21
170	Gaps, tears and seismic anisotropy around the subducting slabs of the Antilles. <i>Tectonophysics</i> , <b>2017</b> , 698, 65-78	3.1	15
169	Using beamforming to maximise the detection capability of small, sparse seismometer arrays deployed to monitor oil field activities. <i>Geophysical Prospecting</i> , <b>2017</b> , 65, 1582-1596	1.9	14
168	Local Earthquake Magnitude Scale and b-Value for the Danakil Region of Northern Afar. <i>Bulletin of the Seismological Society of America</i> , <b>2017</b> , 107, 521-531	2.3	25
167	Ice fabric in an Antarctic ice stream interpreted from seismic anisotropy. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 3710-3718	4.9	35
166	Seismic anisotropy and mantle flow below subducting slabs. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 465, 155-167	5.3	22
165	Probabilistic Seismic-Hazard Assessment for Eritrea. <i>Bulletin of the Seismological Society of America</i> , <b>2017</b> , 107, 1478-1494	2.3	12
164	Seismicity associated with magmatism, faulting and hydrothermal circulation at Aluto Volcano, Main Ethiopian Rift. <i>Journal of Volcanology and Geothermal Research</i> , <b>2017</b> , 340, 52-67	2.8	46
163	Extension and stress during continental breakup: Seismic anisotropy of the crust in Northern Afar. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 477, 41-51	5.3	12
162	Measuring changes in fracture properties from temporal variations in anisotropic attenuation of microseismic waveforms. <i>Geophysical Prospecting</i> , <b>2017</b> , 65, 347-362	1.9	5
161	The Role of Texture, Cracks, and Fractures in Highly Anisotropic Shales. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2017</b> , 122, 10,341-10,351	3.6	13
160	The 24th January 2016 Hawassa earthquake: Implications for seismic hazard in the Main Ethiopian Rift. <i>Journal of African Earth Sciences</i> , <b>2017</b> , 125, 118-125	2.2	12
159	Shear wave anisotropy in northwestern South America and its link to the Caribbean and Nazca subduction geodynamics. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2016</b> , 17, 3655-3673	3.6	19
158	The initiation of segmented buoyancy-driven melting during continental breakup. <i>Nature Communications</i> , <b>2016</b> , 7, 13110	17.4	35
157	Reservoir stress path and induced seismic anisotropy: results from linking coupled fluid-flow/geomechanical simulation with seismic modelling. <i>Petroleum Science</i> , <b>2016</b> , 13, 669-684	4.4	6
156	Seismic-acoustic energy partitioning during a paroxysmal eruptive phase of Tungurahua volcano, Ecuador. <i>Geophysical Journal International</i> , <b>2016</b> , 205, 1900-1915	2.6	5

155	Subsurface fluid injection and induced seismicity in southeast Saskatchewan. <i>International Journal of Greenhouse Gas Control</i> , <b>2016</b> , 54, 429-440	4.2	13
154	Constraints on melt distribution from seismology: a case study in Ethiopia. <i>Geological Society Special Publication</i> , <b>2016</b> , 420, 127-147	1.7	15
153	Water, oceanic fracture zones and the lubrication of subducting plate boundaries: insights from seismicity. <i>Geophysical Journal International</i> , <b>2016</b> , 204, 1405-1420	2.6	33
152	Historical Volcanism and the State of Stress in the East African Rift System. <i>Frontiers in Earth Science</i> , <b>2016</b> , 4,	3.5	27
151	Why is Africa rifting?. <i>Geological Society Special Publication</i> , <b>2016</b> , 420, 11-30	1.7	17
150	Seismic evidence for flow in the hydrated mantle wedge of the Ryukyu subduction zone. <i>Scientific Reports</i> , <b>2016</b> , 6, 29981	4.9	18
149	Small-scale thermal upwellings under the northern East African Rift from S travel time tomography. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 7395-7408	3.6	17
148	Site effect determination using seismic noise from Tungurahua volcano (Ecuador): implications for seismo-acoustic analysis. <i>Geophysical Journal International</i> , <b>2015</b> , 201, 1084-1100	2.6	4
147	Probing the edge of the West African Craton: A first seismic glimpse from Niger. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1694-1700	4.9	4
146	Integrated hydro-mechanical and seismic modelling of the Valhall reservoir: A case study of predicting subsidence, AVOA and microseismicity. <i>Geomechanics for Energy and the Environment</i> , <b>2015</b> , 2, 32-44	3.7	25
145	Seismic characterization of fracture compliance in the field using P- and S-wave sources. <i>Geophysical Journal International</i> , <b>2015</b> , 203, 1726-1737	2.6	9
144	The Hudson Bay Lithospheric Experiment (HuBLE): insights into Precambrian plate tectonics and the development of mantle keels. <i>Geological Society Special Publication</i> , <b>2015</b> , 389, 41-67	1.7	17
143	Multiple mantle upwellings in the transition zone beneath the northern East-African Rift system from relative P-wave travel-time tomography. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2015</b> , 16, 2949-2968	3.6	40
142	Magmatism on rift flanks: Insights from ambient noise phase velocity in Afar region. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 2179-2188	4.9	14
141	Mid-mantle anisotropy in subduction zones and deep water transport. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2015</b> , 16, 764-784	3.6	38
140	Shear-wave splitting in highly anisotropic shale gas formations <b>2015</b> ,		1
139	UK public perceptions of shale gas hydraulic fracturing: The role of audience, message and contextual factors on risk perceptions and policy support. <i>Applied Energy</i> , <b>2015</b> , 160, 419-430	10.7	86
138	Transtensional deformation of Montserrat revealed by shear wave splitting. <i>Earth and Planetary Science Letters</i> , <b>2015</b> , 425, 179-186	5.3	14



137	First recorded eruption of Nabro volcano, Eritrea, 2011. <i>Bulletin of Volcanology</i> , <b>2015</b> , 77, 85	2.4	40
136	Hydrous upwelling across the mantle transition zone beneath the Afar Triple Junction. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2015</b> , 16, 834-846	3.6	32
135	The microseismic response at the In Salah Carbon Capture and Storage (CCS) site. <i>International Journal of Greenhouse Gas Control</i> , <b>2015</b> , 32, 159-171	4.2	58
134	CAN-HK: An a Priori Crustal Model for the Canadian Shield. <i>Seismological Research Letters</i> , <b>2015</b> , 86, 1374-1382	5	
133	The robustness of seismic moment and magnitudes estimated using spectral analysis. <i>Geophysical Prospecting</i> , <b>2014</b> , 62, 862-878	1.9	31
132	Characterization of fractures and faults: a multi-component passive microseismic study from the Ekofisk reservoir. <i>Geophysical Prospecting</i> , <b>2014</b> , 62, 779-796	1.9	6
131	A uniformly processed data set of SKS shear wave splitting measurements: A global investigation of upper mantle anisotropy beneath seismic stations. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 1991-2010	3.6	14
130	Seismicity and subsidence following the 2011 Nabro eruption, Eritrea: Insights into the plumbing system of an off-rift volcano. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 8267-8282	3.6	27
129	Development of texture and seismic anisotropy during the onset of subduction. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 192-212	3.6	33
128	Differentiating flow, melt, or fossil seismic anisotropy beneath Ethiopia. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2014</b> , 15, 1878-1894	3.6	46
127	Assessing the Effect of Velocity Model Accuracy on Microseismic Interpretation at the In Salah Carbon Capture and Storage Site. <i>Energy Procedia</i> , <b>2014</b> , 63, 4385-4393	2.3	9
126	Locating microseismic events using borehole data. <i>Geophysical Prospecting</i> , <b>2014</b> , 62, 34-49	1.9	28
125	Experimentally simulating adiabatic conditions: Approximating high rate polymer behavior using low rate experiments with temperature profiles. <i>Polymer</i> , <b>2013</b> , 54, 5058-5063	3.9	32
124	The extent of continental crust beneath the Seychelles. <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 381, 166-176	5.3	14
123	Seismic anisotropy and mantle structure of the Rae craton, central Canada, from joint interpretation of SKS splitting and receiver functions. <i>Precambrian Research</i> , <b>2013</b> , 232, 189-208	3.9	36
122	Frequency-dependent seismic anisotropy due to fractures: Fluid flow versus scattering. <i>Geophysics</i> , <b>2013</b> , 78, WA111-WA122	3.1	24
121	Evaluating post-perovskite as a cause of D <sub>2</sub> anisotropy in regions of palaeosubduction. <i>Geophysical Journal International</i> , <b>2013</b> , 192, 1085-1090	2.6	29
120	Monitoring increases in fracture connectivity during hydraulic stimulations from temporal variations in shear wave splitting polarization. <i>Geophysical Journal International</i> , <b>2013</b> , 195, 1120-1131	2.6	23

119	Mantle upwelling and initiation of rift segmentation beneath the Afar Depression. <i>Geology</i> , <b>2013</b> , 41, 635-638	5	63
118	Comparison of geomechanical deformation induced by megatonne-scale CO <sub>2</sub> storage at Sleipner, Weyburn, and In Salah. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E2762-71	11.5	137
117	Assessing the utility of acoustic communication for wireless sensors deployed beneath ice sheets. <i>Annals of Glaciology</i> , <b>2013</b> , 54, 124-134	2.5	5
116	Deformation in Rutford Ice Stream, West Antarctica: measuring shear-wave anisotropy from icequakes. <i>Annals of Glaciology</i> , <b>2013</b> , 54, 105-114	2.5	26
115	Induced Seismicity at Preese Hall, UK - A Review <b>2013</b> ,		4
114	Correlation Between Spatial and Magnitude Distributions of Microearthquakes during Hydraulic Fracture Stimulation <b>2013</b> ,		2
113	Upper mantle anisotropy of Southeast Arabia passive margin [Gulf of Aden Northern conjugate margin], Oman. <i>Frontiers in Earth Sciences</i> , <b>2013</b> , 429-438	1.6	
112	Earthquakes Induced by Fluid Injection - Implications for Secure CO <sub>2</sub> Storage <b>2013</b> ,		2
111	Monitoring carbon dioxide storage using passive seismic techniques. <i>Proceedings of Institution of Civil Engineers: Energy</i> , <b>2012</b> , 165, 85-96	0.7	4
110	Deformation and mantle flow beneath the Sangihe subduction zone from seismic anisotropy. <i>Physics of the Earth and Planetary Interiors</i> , <b>2012</b> , 194-195, 38-54	2.3	41
109	Mantle anisotropy beneath the Earth's mid-ocean ridges. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 317-318, 56-67	5.3	22
108	Mantle flow in regions of complex tectonics: Insights from Indonesia. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2012</b> , 13,	3.6	26
107	Plume scar in the mantle lithosphere beneath the Seychelles revealed by seismic imaging. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 355-356, 20-31	5.3	10
106	Upper mantle anisotropy of southeast Arabia passive margin [Gulf of Aden northern conjugate margin], Oman. <i>Arabian Journal of Geosciences</i> , <b>2012</b> , 5, 925-934	1.8	5
105	Volcanism in the Afar Rift sustained by decompression melting with minimal plume influence. <i>Nature Geoscience</i> , <b>2012</b> , 5, 406-409	18.3	81
104	Fracture mapping using seismic amplitude variation with offset and azimuth analysis at the Weyburn CO <sub>2</sub> storage site. <i>Geophysics</i> , <b>2012</b> , 77, B295-B306	3.1	15
103	Elastic anisotropy of D <sub>2</sub> predicted from global models of mantle flow. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a	3.6	49
102	The nature of the crust beneath the Afar triple junction: Evidence from receiver functions. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2011</b> , 12, n/a-n/a	3.6	114



101	Surface wave tomography across Afar, Ethiopia: Crustal structure at a rift triple-junction zone. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	20
100	Sulfide melts and long-term low seismic wavespeeds in lithospheric and asthenospheric mantle. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	14
99	Linking microseismic event observations with geomechanical models to minimise the risks of storing CO2 in geological formations. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 305, 143-152	5.3	89
98	Implications of a simple mantle transition zone beneath cratonic North America. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 312, 28-36	5.3	34
97	New advances in using seismic anisotropy, mineral physics and geodynamics to understand deformation in the lowermost mantle. <i>Journal of Geodynamics</i> , <b>2011</b> , 52, 205-228	2.2	66
96	Inferring rock fracture evolution during reservoir stimulation from seismic anisotropy. <i>Geophysics</i> , <b>2011</b> , 76, WC157-WC166	3.1	16
95	Microseismicity: Beyond dots in a box Introduction. <i>Geophysics</i> , <b>2011</b> , 76, WC1-WC3	3.1	21
94	Crustal structure beneath Hudson Bay from ambient-noise tomography: implications for basin formation. <i>Geophysical Journal International</i> , <b>2011</b> , 184, 65-82	2.6	40
93	Fracture characterization using frequency-dependent shear wave anisotropy analysis of microseismic data. <i>Geophysical Journal International</i> , <b>2011</b> , 185, 1059-1070	2.6	25
92	In situ monitoring of rock fracturing using shear wave splitting analysis: an example from a mining setting. <i>Geophysical Journal International</i> , <b>2011</b> , 187, 848-860	2.6	20
91	Detection of multiple fracture sets using observations of shear-wave splitting in microseismic data. <i>Geophysical Prospecting</i> , <b>2011</b> , 59, 593-608	1.9	37
90	The Hudson Bay Lithospheric Experiment. <i>Astronomy and Geophysics</i> , <b>2011</b> , 52, 6.21-6.24	0.2	7
89	Seismic anisotropy in a hydrocarbon field estimated from microseismic data. <i>Geophysical Prospecting</i> , <b>2011</b> , 59, 227-243	1.9	18
88	Geophysical monitoring of the Weyburn CO2 flood: Results during 10 years of injection. <i>Energy Procedia</i> , <b>2011</b> , 4, 3628-3635	2.3	37
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