

Simon Klemperer

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146
papers

8,193
citations

53
h-index

88
g-index

168
ext. papers

8,965
ext. citations

5.6
avg, IF

5.72
L-index

#	Paper	IF	Citations
146	Partially Molten Middle Crust Beneath Southern Tibet: Synthesis of Project INDEPTH Results. <i>Science</i> , 1996 , 274, 1684-8	33.3	914
145	Deep seismic reflection evidence for continental underthrusting beneath southern Tibet. <i>Nature</i> , 1993 , 366, 557-559	50.4	567
144	The onset of India-Asia continental collision: Early, steep subduction required by the timing of UHP metamorphism in the western Himalaya. <i>Earth and Planetary Science Letters</i> , 2005 , 234, 83-97	5.3	441
143	Seismic imaging of the downwelling Indian lithosphere beneath central Tibet. <i>Science</i> , 2003 , 300, 1424-7	33.3	258
142	The Moho in the northern Basin and Range province, Nevada, along the COCORP 40°N seismic-reflection transect. <i>Bulletin of the Geological Society of America</i> , 1986 , 97, 603	3.9	231
141	An Overview of the Izu-Bonin-Mariana Subduction Factory. <i>Geophysical Monograph Series</i> , 2003 , 175-222	1.1	174
140	Crustal structure of central Tibet as derived from project INDEPTH wide-angle seismic data. <i>Geophysical Journal International</i> , 2001 , 145, 486-498	2.6	153
139	Crustal structure and evolution of the Mariana intra-oceanic island arc. <i>Geology</i> , 2007 , 35, 203	5	152
138	Overview of the COCORP 40°N Transect, western United States: The fabric of an orogenic belt. <i>Bulletin of the Geological Society of America</i> , 1987 , 98, 308	3.9	150
137	Characterizing the Main Himalayan Thrust in the Garhwal Himalaya, India with receiver function CCP stacking. <i>Earth and Planetary Science Letters</i> , 2013 , 367, 15-27	5.3	149
136	Three-dimensional seismic imaging of a protoridge axis in the Main Ethiopian rift. <i>Geology</i> , 2004 , 32, 949	5	141
135	INDEPTH Wide-Angle Reflection Observation of P-Wave-to-S-Wave Conversion from Crustal Bright Spots in Tibet. <i>Science</i> , 1996 , 274, 1690-1	33.3	123
134	Crustal flow in Tibet: geophysical evidence for the physical state of Tibetan lithosphere, and inferred patterns of active flow. <i>Geological Society Special Publication</i> , 2006 , 268, 39-70	1.7	117
133	Measuring the seismic properties of Tibetan bright spots: Evidence for free aqueous fluids in the Tibetan middle crust. <i>Journal of Geophysical Research</i> , 1999 , 104, 10795-10825		116
132	The deep structure of northern England and the Iapetus Suture zone from BIRPS deep seismic reflection profiles. <i>Journal of the Geological Society</i> , 1988 , 145, 727-740	2.7	114
131	Discontinuous and diachronous evolution of the Main Ethiopian Rift: Implications for development of continental rifts. <i>Earth and Planetary Science Letters</i> , 2008 , 265, 96-111	5.3	106
130	Crustal-scale duplexing beneath the Yarlung Zangbo suture in the western Himalaya. <i>Nature Geoscience</i> , 2016 , 9, 555-560	18.3	104

129	INDEPTH III seismic data: From surface observations to deep crustal processes in Tibet. <i>Tectonics</i> , 2003 , 22, n/a-n/a	4.3	102
128	Nature and distribution of deformation across the Banda Arc Australian collision zone at Timor. <i>Bulletin of the Geological Society of America</i> , 1987 , 98, 18	3.9	96
127	Crustal thinning and nature of extension in the northern North Sea from deep seismic reflection profiling. <i>Tectonics</i> , 1988 , 7, 803-821	4.3	94
126	Mantle fluids in the Karakoram fault: Helium isotope evidence. <i>Earth and Planetary Science Letters</i> , 2013 , 366, 59-70	5.3	93
125	A complex Tibetan upper mantle: A fragmented Indian slab and no south-verging subduction of Eurasian lithosphere. <i>Earth and Planetary Science Letters</i> , 2012 , 333-334, 101-111	5.3	91
124	Injection of Tibetan crust beneath the south Qaidam Basin: Evidence from INDEPTH IV wide-angle seismic data. <i>Journal of Geophysical Research</i> , 2011 , 116,		90
123	Partial melt in the upper-middle crust of the northwest Himalaya revealed by Rayleigh wave dispersion. <i>Tectonophysics</i> , 2009 , 477, 58-65	3.1	87
122	Ophiolitic basement to the Great Valley forearc basin, California, from seismic and gravity data: Implications for crustal growth at the North American continental margin. <i>Bulletin of the Geological Society of America</i> , 1997 , 109, 1536-1562	3.9	87
121	Three-dimensional seismic model of the Sierra Nevada arc, California, and its implications for crustal and upper mantle composition. <i>Journal of Geophysical Research</i> , 2000 , 105, 10899-10921		86
120	3D imaging of subducting and fragmenting Indian continental lithosphere beneath southern and central Tibet using body-wave finite-frequency tomography. <i>Earth and Planetary Science Letters</i> , 2016 , 443, 162-175	5.3	84
119	Crustal structure transition from oceanic arc to continental arc, eastern Aleutian Islands and Alaska Peninsula. <i>Earth and Planetary Science Letters</i> , 2000 , 179, 567-579	5.3	79
118	A deep seismic reflection transect across the Irish Caledonides. <i>Journal of the Geological Society</i> , 1991 , 148, 149-164	2.7	79
117	Structure of an island-arc: Wide-angle seismic studies in the eastern Aleutian Islands, Alaska. <i>Journal of Geophysical Research</i> , 1999 , 104, 10667-10694		77
116	West-east variation in crustal thickness in northern Lhasa block, central Tibet, from deep seismic sounding data. <i>Journal of Geophysical Research</i> , 2005 , 110,		74
115	Low lower crustal velocity across Ethiopia: Is the Main Ethiopian Rift a narrow rift in a hot craton?. <i>Geochemistry, Geophysics, Geosystems</i> , 2009 , 10, n/a-n/a	3.6	71
114	Distributed Nubia-Somalia relative motion and dike intrusion in the Main Ethiopian Rift. <i>Geophysical Journal International</i> , 2006 , 165, 303-310	2.6	71
113	On the relationship between extension and anisotropy: Constraints from shear wave splitting across the East African Plateau. <i>Journal of Geophysical Research</i> , 2004 , 109,		70
112	Shear-wave splitting around the Eifel hotspot: evidence for a mantle upwelling. <i>Geophysical Journal International</i> , 2005 , 163, 962-980	2.6	70

111	Three-dimensional crustal structure of the Mariana island arc from seismic tomography. <i>Journal of Geophysical Research</i> , 2008 , 113,		69
110	Three-dimensional crustal structure of the southern Sierra Nevada from seismic fan profiles and gravity modeling. <i>Geology</i> , 1996 , 24, 367-370	5	68
109	Seismoelectric imaging of shallow targets. <i>Geophysics</i> , 2007 , 72, G9-G20	3.1	66
108	Seismic evidence for a lower-crustal detachment beneath san francisco bay, california. <i>Science</i> , 1994 , 265, 1436-9	33.3	66
107	Crustal structure of the Paleozoic Kunlun orogeny from an active-source seismic profile between Moba and Guide in East Tibet, China. <i>Gondwana Research</i> , 2011 , 19, 994-1007	5.1	65
106	Crustal structure of the northern Main Ethiopian Rift from the EAGLE controlled-source survey; a snapshot of incipient lithospheric break-up. <i>Geological Society Special Publication</i> , 2006 , 259, 269-292	1.7	65
105	Characteristics of volcanic rifted margins 2002 ,		65
104	Midcrustal reflector on INDEPTH wide-angle profiles: An ophiolitic slab beneath the India-Asia suture in southern Tibet?. <i>Tectonics</i> , 1999 , 18, 793-808	4.3	65
103	Iapetus suture located beneath the North Sea by BIRPS deep seismic reflection profiling. <i>Geology</i> , 1987 , 15, 195	5	65
102	Structural elements of the southern Tethyan Himalaya crust from wide-angle seismic data. <i>Tectonics</i> , 1996 , 15, 997-1005	4.3	63
101	Shear-wave splitting in Ethiopia: Precambrian mantle anisotropy locally modified by Neogene rifting. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	60
100	Crustal deformation of the Lhasa terrane, Tibet plateau from Project INDEPTH deep seismic reflection profiles. <i>Tectonics</i> , 1998 , 17, 501-519	4.3	56
99	Receiver function imaging of crustal suture, steep subduction, and mantle wedge in the eastern India-Tibet continental collision zone. <i>Earth and Planetary Science Letters</i> , 2015 , 414, 6-15	5.3	55
98	Modeling Low-frequency Magnetic-field Precursors to the Loma Prieta Earthquake with a Precursory Increase in Fault-zone Conductivity. <i>Pure and Applied Geophysics</i> , 1997 , 150, 217-248	2.2	55
97	Crustal structure and exhumation of the Dabie Shan ultrahigh-pressure orogen, eastern China, from seismic reflection profiling. <i>Geology</i> , 2003 , 31, 435	5	55
96	Detection of southward intracontinental subduction of Tibetan lithosphere along the Bangong-Nujiang suture by P-to-S converted waves. <i>Geology</i> , 2004 , 32, 209	5	53
95	Ophiolitic basement to a forearc basin and implications for continental growth: The Coast Range/Great Valley ophiolite, California. <i>Tectonics</i> , 1998 , 17, 558-570	4.3	53
94	Reflectivity of the crystalline crust: hypotheses and tests. <i>Geophysical Journal International</i> , 1987 , 89, 217-222	2.6	53

93	Deep reflection surveying in central Tibet: lower-crustal layering and crustal flow. <i>Geophysical Journal International</i> , 2004 , 156, 115-128	2.6	47
92	Geophysical project in Ethiopia studies continental breakup. <i>Eos</i> , 2003 , 84, 337	1.5	47
91	Crustal structure beneath the Sub-Himalayan fold-thrust belt, Kangra recess, northwest India, from seismic reflection profiling: Implications for Late Paleoproterozoic orogenesis and modern earthquake hazard. <i>Earth and Planetary Science Letters</i> , 2011 , 308, 218-228	5.3	46
90	Weakly coupled lithospheric extension in southern Tibet. <i>Earth and Planetary Science Letters</i> , 2015 , 430, 171-177	5.3	44
89	Crustal structure across northeastern Tibet from wide-angle seismic profiling: Constraints on the Caledonian Qilian orogeny and its reactivation. <i>Tectonophysics</i> , 2013 , 606, 140-159	3.1	44
88	Some results of COCORP seismic reflection profiling in the Grenville-age Adirondack Mountains, New York State. <i>Canadian Journal of Earth Sciences</i> , 1985 , 22, 141-153	1.5	44
87	Lower-crustal porosity from electrical measurements and inferences about composition from seismic velocities. <i>Geophysical Research Letters</i> , 1989 , 16, 255-258	4.9	43
86	Reflections from mantle fault zones around the British Isles. <i>Geology</i> , 1990 , 18, 528	5	43
85	Shear-wave splitting to test mantle deformation models around Hawaii. <i>Geophysical Research Letters</i> , 2001 , 28, 4319-4322	4.9	42
84	Crustal structure of the central and southern North Sea from BIRPS deep seismic reflection profiling. <i>Journal of the Geological Society</i> , 1991 , 148, 445-457	2.7	41
83	High electrical conductivity in a model lower crust with unconnected, conductive, seismically reflective layers. <i>Geophysical Journal International</i> , 1992 , 108, 895-905	2.6	40
82	Transition from slab to slabless: Results from the 1993 Mendocino triple junction seismic experiment. <i>Geology</i> , 1996 , 24, 195	5	39
81	Short Paper: Seismic reflection evidence for the location of the Iapetus suture west of Ireland. <i>Journal of the Geological Society</i> , 1989 , 146, 409-412	2.7	39
80	Deep seismic reflection profiling and the growth of the continental crust. <i>Tectonophysics</i> , 1989 , 161, 233-244	3.1	37
79	San Andreas Fault dip, Peninsular Ranges mafic lower crust and partial melt in the Salton Trough, Southern California, from ambient-noise tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3946-3972	3.6	36
78	Nonuniform subduction of the Indian crust beneath the Himalayas. <i>Scientific Reports</i> , 2017 , 7, 12497	4.9	35
77	Fluids in the lower crust following Mendocino triple junction migration: Active basaltic intrusion?. <i>Geology</i> , 1998 , 26, 171	5	32
76	Crustal structure of western Nevada from COCORP deep seismic-reflection data. <i>Bulletin of the Geological Society of America</i> , 1987 , 98, 320	3.9	32

75	Crustal structure of the Bering and Chukchi shelves: Deep seismic reflection profiles across the North American continent between Alaska and Russia 2002 ,		31
74	CDP mapping to obtain the fine structure of the crust and upper mantle from seismic sounding data: an example for the southeastern China. <i>Physics of the Earth and Planetary Interiors</i> , 2000 , 122, 133-146	2.2	31
73	Analysis of Ultralow-Frequency Electromagnetic Field Measurements Associated with the 1999 M 7.1 Hector Mine, California, Earthquake Sequence. <i>Bulletin of the Seismological Society of America</i> , 2002 , 92, 1513-1524	2.3	29
72	Location of the southern edge of the Gorda slab and evidence for an adjacent asthenospheric window: Results from seismic profiling and gravity. <i>Journal of Geophysical Research</i> , 1998 , 103, 30101-30115		29
71	West-East transition from underplating to steep subduction in the India-Tibet collision zone revealed by receiver-function profiles. <i>Earth and Planetary Science Letters</i> , 2016 , 452, 171-177	5.3	28
70	Crustal structure of the northwestern Basin and Range Province and its transition to unextended volcanic plateaus. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	28
69	Shear-wave splitting beneath the Snake River Plain suggests a mantle upwelling beneath eastern Nevada, USA. <i>Earth and Planetary Science Letters</i> , 2004 , 222, 529-542	5.3	28
68	Normal faulting from simple shear rifting in South Tibet, using evidence from passive seismic profiling across the Yadong-Gulu Rift. <i>Tectonophysics</i> , 2013 , 606, 178-186	3.1	27
67	A Comparison of the Moho Interpreted From Gravity Data and From Deep Seismic Reflection Data In the Northern North Sea. <i>Geophysical Journal International</i> , 1989 , 97, 247-258	2.6	27
66	Crustal shear (S) velocity and Poisson's ratio structure along the INDEPTH IV profile in northeast Tibet as derived from wide-angle seismic data. <i>Geophysical Journal International</i> , 2012 , 191, 369-384	2.6	24
65	Wide-angle deep crustal reflections in the northern Appalachians. <i>Geophysical Journal International</i> , 1987 , 89, 183-188	2.6	23
64	Deep-seated lithospheric geometry in revealing collapse of the Tibetan Plateau. <i>Earth-Science Reviews</i> , 2018 , 185, 751-762	10.2	22
63	METHODOLOGICAL INSIGHTS: Using seismic sensors to detect elephants and other large mammals: a potential census technique. <i>Journal of Applied Ecology</i> , 2005 , 42, 587-594	5.8	22
62	Temporal geochemical variation in Ethiopian Lakes Shala, Arenguade, Awasa, and Beseka: Possible environmental impacts from underwater and borehole detonations. <i>Journal of African Earth Sciences</i> , 2007 , 48, 174-198	2.2	21
61	Seismic reflections from the near-vertical San Andreas Fault. <i>Geophysical Research Letters</i> , 1996 , 23, 237-240	2.4	21
60	Localized foundering of Indian lower crust in the India-Tibet collision zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24742-24747	11.5	21
59	Duplex in the Main Himalayan Thrust illuminated by aftershocks of the 2015 Mw 7.8 Gorkha earthquake. <i>Nature Geoscience</i> , 2019 , 12, 1018-1022	18.3	20
58	Ultra-low frequency electromagnetic measurements associated with the 1998 Mw 5.1 San Juan Bautista, California earthquake and implications for mechanisms of electromagnetic earthquake precursors. <i>Tectonophysics</i> , 2002 , 359, 65-79	3.1	20

57	Dating the source of lower crustal reflectivity using BIRPS deep Seismic profiles across the Iapetus suture. <i>Tectonophysics</i> , 1990 , 173, 445-454	3.1	20
56	Seismic noise-reduction techniques for use with vertical stacking: An empirical comparison. <i>Geophysics</i> , 1987 , 52, 322-334	3.1	18
55	Structure and Stratigraphy of the Porcupine Basin Relationships to Deep Crustal Structure and the Opening of the North Atlantic 1989 ,		18
54	Seismic waves from elephant vocalizations: A possible communication mode?. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	17
53	Deep structure of southern Ireland: a new geological synthesis using BIRPS deep reflection profiling. <i>Journal of the Geological Society</i> , 1992 , 149, 915-922	2.7	17
52	Crustal-scale wedge tectonics at the narrow boundary between the Tibetan Plateau and Ordos block. <i>Earth and Planetary Science Letters</i> , 2021 , 554, 116700	5.3	17
51	Lateral variation of the Main Himalayan Thrust controls the rupture length of the 2015 Gorkha earthquake in Nepal. <i>Science Advances</i> , 2019 , 5, eaav0723	14.3	16
50	Ambient-noise tomography of north Tibet limits geological terrane signature to upper-middle crust. <i>Geophysical Research Letters</i> , 2013 , 40, 808-813	4.9	15
49	Interpreting the deep structure of rifts with synthetic seismic sections. <i>Geodynamic Series</i> , 1986 , 301-311		15
48	Nature of the crust beneath northwest Basin and Range province from teleseismic receiver function data. <i>Journal of Geophysical Research</i> , 2008 , 113,		14
47	Seismic stratigraphy of Detroit Seamount, Hawaiian-Emperor seamount chain: Post-hot-spot shield-building volcanism and deposition of the Meiji drift. <i>Geochemistry, Geophysics, Geosystems</i> , 2005 , 6, n/a-n/a	3.6	14
46	Crustal structure of seismic velocity in southern Tibet and east-westward escape of the crustal material. <i>Science in China Series D: Earth Sciences</i> , 2004 , 47, 500-506		14
45	A Transportable System for Monitoring Ultralow Frequency Electromagnetic Signals Associated with Earthquakes. <i>Seismological Research Letters</i> , 2000 , 71, 423-436	3	13
44	Two-stage Red Sea rifting inferred from mantle earthquakes in Neoproterozoic lithosphere. <i>Earth and Planetary Science Letters</i> , 2018 , 497, 92-101	5.3	13
43	Seismology Across the Northeastern Edge of the Tibetan Plateau. <i>Eos</i> , 2008 , 89, 487-487	1.5	12
42	Processing Birps Deep Seismic Reflection Data: A Tutorial Review 1989 , 229-257		12
41	The northwestern margin of the Basin-and-Range Province, part 1: Reflection profiling of the moderate-angle (~30°) Surprise Valley Fault. <i>Tectonophysics</i> , 2010 , 488, 143-149	3.1	11
40	Crustal structure of the Tethyan Himalaya, southern Tibet: new constraints from old wide-angle seismic data. <i>Geophysical Journal International</i> , 2010 ,	2.6	10

39	Test of deep seismic reflection profiling across central uplift of Qiangtang terrane in Tibetan plateau. <i>Journal of Earth Science (Wuhan, China)</i> , 2009 , 20, 438-447	2.2	10
38	Reply to Shear-wave splitting to test mantle deformation models around Hawaii by Vinnik et al.. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	10
37	Rapid variation in upper-mantle rheology across the San Andreas fault system and Salton Trough, southernmost California, USA. <i>Geology</i> , 2016 , 44, 575-578	5	9
36	Shear wave splitting around hotspots: Evidence for upwelling-related mantle flow? 2005 ,		8
35	Cross-validation of independent ultra-low-frequency magnetic recording systems for active fault studies. <i>Earth, Planets and Space</i> , 2018 , 70, 57	2.9	7
34	Hidden intrabasin extension: Evidence for dike-fault interaction from magnetic, gravity, and seismic reflection data in Surprise Valley, northeastern California 2016 , 12, 15-25		7
33	Coseismic electric and magnetic signals observed during 2017 Jiuzhaigou Mw 6.5 earthquake and explained by electrokinetics and magnetometer rotation. <i>Geophysical Journal International</i> , 2020 , 223, 1130-1143	2.6	7
32	Post-critical SsPmp and its applications to Virtual Deep Seismic Sounding (VDSS) I: sensitivity to lithospheric 1-D and 2-D structure. <i>Geophysical Journal International</i> , 2018 , 215, 880-894	2.6	6
31	Late Quaternary subsidence of Santa Catalina Island, California Continental Borderland, demonstrated by seismic-reflection data and fossil assemblages from submerged marine terraces. <i>Bulletin of the Geological Society of America</i> , 2019 , 131, 21-42	3.9	5
30	Receiver-function imaging of the lithosphere at the Kunlun-Qaidam boundary, Northeast Tibet. <i>Tectonophysics</i> , 2019 , 759, 30-43	3.1	5
29	A Rapid Response Network to Record Aftershocks of the 2015 Mw 7.8 Gorkha Earthquake in Nepal. <i>Seismological Research Letters</i> , 2020 , 91, 2399-2408	3	4
28	Reconciling lithospheric deformation and lower crustal flow beneath central Tibet: COMMENT and REPLY: COMMENT. <i>Geology</i> , 2008 , 36, e180-e180	5	4
27	Modeling sideswipe in 2D oceanic seismic surveys from sonar data: Application to the Mariana arc. <i>Tectonophysics</i> , 2006 , 420, 333-343	3.1	4
26	Crustal structure of the Ruby Mountains metamorphic core complex, Nevada, from passive seismic imaging 2017 , 13, 1506-1523		4
25	Simulations of noise rejection and mantissa-only recording: An experiment in high-amplitude noise reduction with COCORP data. <i>Geophysics</i> , 1985 , 50, 709-714	3.1	4
24	Post-critical SsPmp and its applications to Virtual Deep Seismic Sounding (VDSS) II: 1-D imaging of the crust/mantle and joint constraints with receiver functions. <i>Geophysical Journal International</i> , 2019 , 219, 1334-1347	2.6	3
23	ATV magnetometer systems for efficient ground magnetic surveying. <i>The Leading Edge</i> , 2011 , 30, 394-398		3
22	Integration of the NEES T-Rex Vibrator and PASSCAL Texan Recorders for Seismic Profiling of Shallow and Deep Crustal Targets. <i>Seismological Research Letters</i> , 2008 , 79, 41-46	3	3

21	Reply to comment by P.J. O'Brien on: The onset of India-Asia continental collision: Early, steep subduction required by the timing of UHP metamorphism in the western Himalaya by Mary L. Leech, S. Singh, A.K. Jain, Simon L. Klemperer and R.M. Manickavasagam, <i>Earth Planetary Science Letters</i> 234 (2005) 83-97. <i>Earth and Planetary Science Letters</i> , 2006 , 245, 817-820	5.3	3
20	Crustal structure across the Bering Strait, Alaska: Onshore recordings of a marine seismic survey 2002 ,		3
19	Seismic Anisotropy in the Asthenosphere Beneath the Eifel Region, Western Germany 2007 , 439-464		3
18	Development of Electroseismic Experimental Methods 2004 ,		2
17	Tectonic Evolution of the Bristol Bay basin, southeast Bering Sea: Constraints from seismic reflection and potential field data. <i>Tectonics</i> , 2003 , 22, n/a-n/a	4.3	2
16	Constraints on the age of formation of seismically reflective middle and lower crust beneath the Bering Shelf: SHRIMP zircon dating of xenoliths from Saint Lawrence Island 2002 ,		2
15	Vertical extent of the newborn San Andreas fault at the Mendocino triple junction. <i>Geology</i> , 2000 , 28, 1111-1114	5	2
14	Love-wave normal modes discriminate between upper-mantle and crustal earthquakes: Simulation and demonstration in Tibet. <i>Earth and Planetary Science Letters</i> , 2021 , 571, 117089	5.3	2
13	Limited underthrusting of India below Tibet: He/He analysis of thermal springs locates the mantle suture in continental collision.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2113877119	11.5	2
12	Sycamore Knoll: A wave-planed pop-up structure in a sinistral-oblique thrust system, Southern California Continental Borderland. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018 , 150, 132-145	2.3	1
11	Detection of a widespread mantle component of 3He in thermal springs of Lhasa Block and Tethyan Himalaya, eastern Tibet: evidence for roll-back of the Indian-Asian mantle suture south of the Yarlung suture zone, and asthenospheric upwelling beneath the Lhasa block. <i>Acta Geologica Sinica</i> , 2019 , 93, 56-57	0.7	1
10	Introduction: deep crustal probing. <i>Precambrian Research</i> , 1992 , 55, 169-172	3.9	1
9	Western Gondwana imaged by S receiver-functions (SRF): New results on Moho, MLD (mid-lithospheric discontinuity) and LAB (lithosphere-asthenosphere boundary). <i>Gondwana Research</i> , 2021 , 96, 206-218	5.1	1
8	Electromagnetic Field Generated by an Earthquake Source Due to Motional Induction in 3D Stratified Media, and Application to 2008 Mw 6.1 Qingchuan Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2021JB022102	3.6	0
7	Post-critical SsPmp and its applications to virtual deep seismic sounding (VDSS): back-projection imaging of the crust-mantle boundary in a heterogeneous lithosphere, theory and application. <i>Geophysical Journal International</i> , 2020 , 223, 2166-2187	2.6	0
6	Deep-seated lithospheric geometry in revealing collapse of the Tibetan Plateau. <i>Acta Geologica Sinica</i> , 2019 , 93, 66-66	0.7	
5	Multi-stage evolution of the Ordos lithosphere from stochastic inversion of elevation, geoid, surface heat flow, Rayleigh wave dispersion data and magnetotelluric data. <i>Acta Geologica Sinica</i> , 2019 , 93, 101-101	0.7	
4	Mantle-earthquake geothermometry of rejuvenated Proterozoic lithosphere, western Saudi Arabia. <i>Acta Geologica Sinica</i> , 2019 , 93, 102-103	0.7	

- 3 U.S. Passive Margins: Are We Missing an Important Opportunity?. *Eos*, **2008**, 89, 64 1.5
- 2 Crustal structure and exhumation of the Dabie Shan ultrahigh-pressure orogen, eastern China, from seismic reflection profiling: Comment and Reply. *Geology*, **2003**, 31, e39-e39 5
- 1 Uplifted marine terraces on Santa Catalina Island, California, USA: COMMENT. *Geology*, **2021**, 49, e529-e529