

Uri S Ten Brink

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121
papers

4,176
citations

38
h-index

61
g-index

145
ext. papers

4,591
ext. citations

4.3
avg, IF

5.28
L-index

#	Paper	IF	Citations
121	Lithospheric strength variations as a control on new plate boundaries: examples from the northern Red Sea region. <i>Earth and Planetary Science Letters</i> , 1986 , 79, 120-132	5.3	201
120	Crustal structure, flexure, and subsidence history of the Hawaiian Islands. <i>Journal of Geophysical Research</i> , 1989 , 94, 10473-10500		199
119	A multichannel seismic study of lithospheric flexure across the Hawaiian Emperor seamount chain. <i>Nature</i> , 1985 , 315, 105-111	50.4	196
118	Flexural uplift of the Transantarctic Mountains. <i>Journal of Geophysical Research</i> , 1989 , 94, 10315-10330		164
117	Size distribution of submarine landslides along the U.S. Atlantic margin. <i>Marine Geology</i> , 2009 , 264, 16-27	3.3	130
116	Multichannel seismic evidence for a subcrustal intrusive complex under Oahu and a model for Hawaiian volcanism. <i>Journal of Geophysical Research</i> , 1987 , 92, 13687-13707		118
115	The anatomy of a pull-apart basin: Seismic reflection observations of the Dead Sea Basin. <i>Tectonics</i> , 1989 , 8, 333-350	4.3	106
114	Morphology of late Quaternary submarine landslides along the U.S. Atlantic continental margin. <i>Marine Geology</i> , 2009 , 264, 4-15	3.3	104
113	Assessment of tsunami hazard to the U.S. East Coast using relationships between submarine landslides and earthquakes. <i>Marine Geology</i> , 2009 , 264, 65-73	3.3	101
112	Uplift of the Transantarctic Mountains and the bedrock beneath the East Antarctic ice sheet. <i>Journal of Geophysical Research</i> , 1997 , 102, 27603-27621		98
111	Structure of the Dead Sea pull-apart basin from gravity analyses. <i>Journal of Geophysical Research</i> , 1993 , 98, 21877-21894		95
110	Size distribution of submarine landslides and its implication to tsunami hazard in Puerto Rico. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	92
109	New seismic images of the Cascadia subduction zone from cruise SO108 DRWELL. <i>Tectonophysics</i> , 1998 , 293, 69-84	3.1	89
108	Current subsidence rates due to compaction of Holocene sediments in southern Louisiana. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	85
107	Rift flank uplifts and Hinterland Basins: Comparison of the Transantarctic Mountains with the Great Escarpment of southern Africa. <i>Journal of Geophysical Research</i> , 1992 , 97, 569		79
106	Sediment compaction rates and subsidence in deltaic plains: numerical constraints and stratigraphic influences. <i>Basin Research</i> , 2007 , 19, 19-31	3.2	78
105	Three-dimensional modeling of pull-apart basins: Implications for the tectonics of the Dead Sea Basin. <i>Journal of Geophysical Research</i> , 1995 , 100, 6295-6312		77

104	Salt diapirs in the Dead Sea basin and their relationship to Quaternary extensional tectonics. <i>Marine and Petroleum Geology</i> , 2001 , 18, 779-797	4-7	73
103	Far field tsunami simulations of the 1755 Lisbon earthquake: Implications for tsunami hazard to the U.S. East Coast and the Caribbean. <i>Marine Geology</i> , 2009 , 264, 109-122	3-3	68
102	Anatomy of the Dead Sea transform: Does it reflect continuous changes in plate motion?. <i>Geology</i> , 1999 , 27, 887	5	64
101	A new view into the Cascadia subduction zone and volcanic arc: Implications for earthquake hazards along the Washington margin. <i>Geology</i> , 1998 , 26, 199	5	60
100	Size distributions and failure initiation of submarine and subaerial landslides. <i>Earth and Planetary Science Letters</i> , 2009 , 287, 31-42	5-3	57
99	Three-dimensional models of deformation near strike-slip faults. <i>Journal of Geophysical Research</i> , 1996 , 101, 16205-16220		57
98	Volcano spacing and plate rigidity. <i>Geology</i> , 1991 , 19, 397	5	56
97	Assessment of tsunami hazard to the U.S. Atlantic margin. <i>Marine Geology</i> , 2014 , 353, 31-54	3-3	55
96	Crustal structure of central Lake Baikal: Insights into intracontinental rifting. <i>Journal of Geophysical Research</i> , 2002 , 107, ETG 2-1-ETG 2-15		51
95	Geophysical evidence for the evolution of the California Inner Continental Borderland as a metamorphic core complex. <i>Journal of Geophysical Research</i> , 2000 , 105, 5835-5857		50
94	Crustal structure of a transform plate boundary: San Francisco Bay and the central California continental margin. <i>Journal of Geophysical Research</i> , 1996 , 101, 22311-22334		50
93	Nonlinear refraction and reflection travel time tomography. <i>Journal of Geophysical Research</i> , 1998 , 103, 29743-29757		49
92	Significant Earthquakes on the Enriquillo Fault System, Hispaniola, 1500-2010: Implications for Seismic Hazard. <i>Bulletin of the Seismological Society of America</i> , 2012 , 102, 18-30	2-3	47
91	Geomorphology, stability and mobility of the Currituck slide. <i>Marine Geology</i> , 2009 , 264, 28-40	3-3	47
90	Lower crustal flow and the role of shear in basin subsidence: an example from the Dead Sea basin. <i>Earth and Planetary Science Letters</i> , 2002 , 199, 67-79	5-3	44
89	Gravity field over the Sea of Galilee: Evidence for a composite basin along a transform fault. <i>Journal of Geophysical Research</i> , 1996 , 101, 533-544		44
88	Geomorphic and stratigraphic evidence for an unusual tsunami or storm a few centuries ago at Anegada, British Virgin Islands. <i>Natural Hazards</i> , 2012 , 63, 51-84	3	43
87	Seabed fluid expulsion along the upper slope and outer shelf of the U.S. Atlantic continental margin. <i>Geophysical Research Letters</i> , 2014 , 41, 96-101	4-9	42

86	Bivergent thrust wedges surrounding oceanic island arcs: Insight from observations and sandbox models of the northeastern Caribbean plate. <i>Bulletin of the Geological Society of America</i> , 2009 , 121, 1522-1536	3.9	42
85	Seismic imaging of deep low-velocity zone beneath the Dead Sea basin and transform fault: Implications for strain localization and crustal rigidity. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	42
84	Seismic stratigraphy of the flexural moat flanking the Hawaiian Islands. <i>Nature</i> , 1985 , 317, 421-424	50.4	39
83	Submarine landslide as the source for the October 11, 1918 Mona Passage tsunami: Observations and modeling. <i>Marine Geology</i> , 2008 , 254, 35-46	3.3	38
82	The nature of the crust under Cayman Trough from gravity. <i>Marine and Petroleum Geology</i> , 2002 , 19, 971-987	4.7	38
81	Three-dimensional velocity structure of Siletzia and other accreted terranes in the Cascadia forearc of Washington. <i>Journal of Geophysical Research</i> , 1999 , 104, 18015-18039		38
80	Geomorphic characterization of the U.S. Atlantic continental margin. <i>Marine Geology</i> , 2013 , 338, 46-63	3.3	35
79	Vertical motions of the Puerto Rico Trench and Puerto Rico and their cause. <i>Journal of Geophysical Research</i> , 2005 , 110,		35
78	Transverse faults and segmentation of basins within the Dead Sea Rift. <i>Journal of African Earth Sciences (and the Middle East)</i> , 1989 , 8, 603-616		35
77	Uplift and a possible moho offset across the Dead Sea transform. <i>Tectonophysics</i> , 1990 , 180, 71-85	3.1	34
76	Geomorphic process fingerprints in submarine canyons. <i>Marine Geology</i> , 2013 , 337, 53-66	3.3	33
75	Geomorphic characterization of four shelf-sourced submarine canyons along the U.S. Mid-Atlantic continental margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014 , 104, 106-119	2.3	32
74	Morphotectonics of the central Muertos thrust belt and Muertos Trough (northeastern Caribbean). <i>Marine Geology</i> , 2009 , 263, 7-33	3.3	31
73	Stress interaction between subduction earthquakes and forearc strike-slip faults: Modeling and application to the northern Caribbean plate boundary. <i>Journal of Geophysical Research</i> , 2004 , 109,		31
72	Geometry and subsidence history of the Dead Sea basin: A case for fluid-induced mid-crustal shear zone?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		29
71	New seafloor map of the Puerto Rico trench helps assess earthquake and tsunami hazards. <i>Eos</i> , 2004 , 85, 349	1.5	27
70	Multichannel seismic evidence for variations in crustal thickness across the Molokai Fracture Zone in the Mid-Pacific. <i>Journal of Geophysical Research</i> , 1988 , 93, 1119		25
69	Extreme waves in the British Virgin Islands during the last centuries before 1500 CE 2017 , 13, 301-368		24

68	Morphostructure at the junction between the Beata ridge and the Greater Antilles island arc (offshore Hispaniola southern slope). <i>Tectonophysics</i> , 2014 , 618, 138-163	3.1	24
67	Results of 1992 seismic reflection experiment in Lake Baikal. <i>Eos</i> , 1993 , 74, 465	1.5	24
66	Variations in oceanic layer 2 elastic velocities near Hawaii and their correlation to lithospheric flexure. <i>Journal of Geophysical Research</i> , 1987 , 92, 2647-2661		24
65	Historical perspective on seismic hazard to Hispaniola and the northeast Caribbean region. <i>Journal of Geophysical Research</i> , 2011 , 116,		23
64	Plate deformation at depth under northern California: Slab gap or stretched slab?. <i>Tectonics</i> , 1999 , 18, 1084-1098	4.3	23
63	Synthesis of Crustal Seismic Structure and Implications for the Concept of a Slab Gap beneath Coastal California. <i>International Geology Review</i> , 1999 , 41, 263-274	2.3	22
62	Images of crust beneath southern California will aid study of earthquakes and their effects. <i>Eos</i> , 1996 , 77, 173-176	1.5	22
61	Slab tears and intermediate-depth seismicity. <i>Geophysical Research Letters</i> , 2013 , 40, 4244-4248	4.9	21
60	A framework for the probabilistic analysis of meteotsunamis. <i>Natural Hazards</i> , 2014 , 74, 123-142	3	19
59	Extension in Mona Passage, Northeast Caribbean. <i>Tectonophysics</i> , 2010 , 493, 74-92	3.1	19
58	Plate interaction in the NE Caribbean subduction zone from continuous GPS observations. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	18
57	Rupture models for the A.D. 900±30 Seattle fault earthquake from uplifted shorelines. <i>Geology</i> , 2006 , 34, 585	5	18
56	Geologic controls on submarine slope failure along the central U.S. Atlantic margin: Insights from the Currituck Slide Complex. <i>Marine Geology</i> , 2017 , 385, 114-130	3.3	17
55	The Northern end of the Dead Sea Basin: Geometry from reflection seismic evidence. <i>Tectonophysics</i> , 2007 , 434, 55-69	3.1	17
54	Geologic processes of accretion in the Cascadia subduction zone west of Washington State. <i>Journal of Geodynamics</i> , 1999 , 27, 277-288	2.2	16
53	Seismic evidence for a slab tear at the Puerto Rico Trench. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 2915-2923	3.6	15
52	Tsunami Simulations of the 1867 Virgin Island Earthquake: Constraints on Epicenter Location and Fault Parameters. <i>Bulletin of the Seismological Society of America</i> , 2010 , 100, 995-1009	2.3	15
51	Glacial morphology and depositional sequences of the Antarctic continental shelf. <i>Geology</i> , 1995 , 23, 580	5	15

50	Transverse faults at the northern end of the southern basin of the Dead Sea graben. <i>Tectonophysics</i> , 1990 , 180, 37-47	3.1	15
49	Deformation of the Pacific/North America Plate Boundary at Queen Charlotte Fault: The Possible Role of Rheology. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 4223-4242	3.6	14
48	Characteristics and processing of seismic data collected on thick, floating ice: Results from the Ross Ice Shelf, Antarctica. <i>Geophysics</i> , 1992 , 57, 1359-1372	3.1	13
47	Gravity modeling of the Muertos Trough and tectonic implications (north-eastern Caribbean). <i>Marine Geophysical Researches</i> , 2010 , 31, 263-283	2.3	12
46	Magnetic character of a large continental transform: An aeromagnetic survey of the Dead Sea Fault. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	10
45	Event sedimentation in low-latitude deep-water carbonate basins, Anegada passage, northeast Caribbean. <i>Basin Research</i> , 2015 , 27, 310-335	3.2	9
44	Effects of 2010 Hurricane Earl amidst geologic evidence for greater overwash at Anegada, British Virgin Islands. <i>Advances in Geosciences</i> , 38 , 21-30		9
43	A Closer Look at an Undersea Source of Alaskan Earthquakes. <i>Eos</i> , 2017 , 98,	1.5	9
42	Slope failure and mass transport processes along the Queen Charlotte Fault, southeastern Alaska. <i>Geological Society Special Publication</i> , 2019 , 477, 69-83	1.7	8
41	Wide-angle seismic recordings from the 1998 Seismic Hazards Investigation of Puget Sound (SHIPS), western Washington and British Columbia. <i>US Geological Survey Open-File Report</i> ,		8
40	Cenozoic glacial sequences of the Antarctic continental margin as recorders of Antarctic ice sheet fluctuations. <i>Antarctic Research Series</i> , 1993 , 75-89		8
39	Offshore Landslide Hazard Curves From Mapped Landslide Size Distributions. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 3320-3334	3.6	6
38	Scientific teams analyze earthquake hazards of the Cascadia Subduction Zone. <i>Eos</i> , 1997 , 78, 153	1.5	6
37	SUBMARINE SLIDES NORTH OF PUERTO RICO AND THEIR TSUNAMI POTENTIAL 2006 ,		6
36	Bathymetric terrain model of the Atlantic margin for marine geological investigations. <i>US Geological Survey Open-File Report</i> ,		6
35	Bouguer gravity anomaly map of the Dead Sea fault system, Jordan and Israel: contour interval 2 mGal. <i>US Geological Survey Open-File Report</i> ,		5
34	Los Angeles Region Seismic Experiment (LARSE), California, off-shore seismic refraction data. <i>US Geological Survey Open-File Report</i> ,		5
33	Crustal structure and earthquake hazards of the subduction zone in southwestern British Columbia and western Washington. <i>US Geological Survey Profesional Paper</i> ,		5

32	Semi-automated bathymetric spectral decomposition delineates the impact of mass wasting on the morphological evolution of the continental slope, offshore Israel. <i>Basin Research</i> , 2020 , 32, 1156-1183	3.2	5
31	Revisiting Submarine Mass Movements Along The U.S. Atlantic Continental Margin: Implications For Tsunami Hazards 2007 , 395-403		5
30	Exploring Active Tectonics in the Dominican Republic. <i>Eos</i> , 2010 , 91, 261-262	1.5	4
29	Graphical user interface for interactive seismic ray tracing. <i>Eos</i> , 2005 , 86, 90	1.5	4
28	Graphical user interface developed for interactive ray tracing. <i>Eos</i> , 1998 , 79, 334-334	1.5	4
27	Joint Spanish-American Research uncovers fracture pattern in northeastern Caribbean. <i>Eos</i> , 1998 , 79, 336-336	1.5	4
26	Report for explosion and earthquake data acquired in the 1999 Seismic Hazards Investigation of Puget Sound (SHIPS), Washington. <i>US Geological Survey Open-File Report</i> ,		4
25	Bathymetric Terrain Model of the Puerto Rico Trench and the Northeastern Caribbean Region for Marine Geological Investigations. <i>US Geological Survey Open-File Report</i> ,		4
24	The Block Composite Submarine Landslide, Southern New England Slope, U.S.A.: A Morphological Analysis 2010 , 267-277		4
23	The Role of Premagmatic Rifting in Shaping a Volcanic Continental Margin: An Example From the Eastern North American Margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB019576 ^{3,6}		4
22	Morphology and Stratal Geometry of the Antarctic Continental Shelf: Insights from Models. <i>Antarctic Research Series</i> , 2013 , 1-24		3
21	Seismic and tsunami hazards in northeast Caribbean addressed at meeting. <i>Eos</i> , 1999 , 80, 309	1.5	3
20	RayGUI 2.0: a graphical user interface for interactive forward and inversion ray-tracing. <i>US Geological Survey Open-File Report</i> ,		3
19	Bouguer gravity anomaly map of the Dead Sea fault system, Jordan and Israel. <i>US Geological Survey Open-File Report</i> ,		3
18	Crustal structure of the Cascadia fore arc of Washington. <i>US Geological Survey Profesional Paper</i> ,		3
17	Assessment of Canyon Wall Failure Process from Multibeam Bathymetry and Remotely Operated Vehicle (ROV) Observations, U.S. Atlantic Continental Margin. <i>Advances in Natural and Technological Hazards Research</i> , 2016 , 103-113	1.8	3
16	A Reevaluation of the Munson-Nygren-Retriever Submarine Landslide Complex, Georges Bank Lower Slope, Western North Atlantic 2012 , 135-146		3
15	Mysterious tsunami in the Caribbean Sea following the 2010 Haiti earthquake possibly generated by dynamically triggered early aftershocks. <i>Earth and Planetary Science Letters</i> , 2020 , 540, 116269	5.3	2

14	Comment on New evidence of magmatic diapirs in the intermediate crust under the Dead Sea, Israel by Nitzan Rabinowitz, Jean Steinberg, and Yossi Mart. <i>Tectonics</i> , 1998 , 17, 819-820	4.3	2
13	Accounts of damage from historical earthquakes in the northeastern Caribbean to aid in the determination of their location and intensity magnitudes. <i>US Geological Survey Open-File Report</i> ,		2
12	EAST93: Geophysical traverse from the Transantarctic Mountains to the Wilkes Basin, East Antarctica. <i>US Geological Survey Open-File Report</i> ,		2
11	Mid-Atlantic U.S. Offshore Carbon Storage Resource Assessment. <i>Energy Procedia</i> , 2017 , 114, 4629-4636.	2.3	1
10	Shallower structure and geomorphology of the southern Puerto Rico offshore margin. <i>Marine and Petroleum Geology</i> , 2015 , 67, 30-56	4.7	1
9	Numerical Characterization of Cohesive and Non-Cohesive Bediments Under Different Consolidation States Using 3D DEM Triaxial Experiments. <i>Processes</i> , 2020 , 8, 1252	2.9	1
8	On the Use of Statistical Analysis to Understand Submarine Landslide Processes and Assess Their Hazard. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021 , 329-341		1
7	A Geomorphological Analysis of the Veatch Slide Complex Off Massachusetts, U.S.A.. <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 371-380	1.8	1
6	Slope Failures and Timing of Turbidity Flows North of Puerto Rico. <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 617-628	1.8	1
5	Reply to a comment by Carol S. Prentice, Paul Mann, and Luis R. Peñ on: Historical perspective on seismic hazard to Hispaniola and the northeast Caribbean region by U. ten Brink et al. (). <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 1606-1608	3.6	
4	The Dead Sea, The Lake and Its Setting. <i>Eos</i> , 1998 , 79, 239-239	1.5	
3	A note on the correlation between geophysical observations and seismicity in the Arava/(Araba) Valley at the southern part of the Dead Sea fault. <i>Israel Journal of Earth Sciences</i> , 2006 , 55, 173-183		
2	A framework for the probabilistic analysis of meteotsunamis 2014 , 123-142		
1	Multichannel Seismic Evidence for a Subcrustal Intrusive Complex Under Oahu and a Model for Hawaiian Volcanism. <i>Collected Reprint Series</i> , 13687-13707		