

Justin K Dix

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,485
citations

236925

25
h-index

345221

36
g-index

61
all docs

61
docs citations

61
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution record of displacement accumulation on an active normal fault: implications for models of slip accumulation during repeated earthquakes. <i>Journal of Structural Geology</i> , 2006, 28, 1146-1166.	2.3	79
2	High-resolution seismic and ground penetrating radar-geophysical profiling of a thermokarst lake in the western Lena Delta, Northern Siberia. <i>Permafrost and Periglacial Processes</i> , 2002, 13, 259-269.	3.4	67
3	Estimating quality factor and mean grain size of sediments from high-resolution marine seismic data. <i>Geophysics</i> , 2008, 73, G19-G28.	2.6	66
4	The use of a high-resolution 3D Chirp sub-bottom profiler for the reconstruction of the shallow water archaeological site of the Grace Dieu (1439), River Hamble, UK. <i>Journal of Archaeological Science</i> , 2009, 36, 408-418.	2.4	63
5	Title is missing!. <i>Marine Geophysical Researches</i> , 1998, 20, 1-11.	1.2	59
6	Chirp sub-bottom profiler source signature design and field testing. <i>Marine Geophysical Researches</i> , 2002, 23, 481-492.	1.2	55
7	Assessing debris flows using LIDAR differencing: 18 May 2005 Matata event, New Zealand. <i>Geomorphology</i> , 2010, 124, 75-84.	2.6	54
8	Tidal height and frequency dependence of acoustic velocity and attenuation in shallow gassy marine sediments. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	50
9	A 500 Year Sediment Lake Record of Anthropogenic and Natural Inputs to Windermere (English Lake) Tj ETQq1 1 0.784314 rgBT /Ove Environmental Science & Technology, 2014, 48, 7254-7263.	10.0	49
10	Coastal environments and their role in prehistoric migrations. <i>Journal of Maritime Archaeology</i> , 2006, 1, 9-28.	0.7	48
11	Optimal Processing of Marine High-Resolution Seismic Reflection (Chirp) Data. <i>Marine Geophysical Researches</i> , 1998, 20, 13-20.	1.2	47
12	Direct monitoring of active geohazards: emerging geophysical tools for deep-water assessments. <i>Near Surface Geophysics</i> , 2017, 15, 427-444.	1.2	45
13	Decimeter-resolution 3D seismic volume in shallow water: A case study in small-object detection. <i>Geophysics</i> , 2008, 73, B33-B40.	2.6	43
14	Design of a 3D Chirp Sub-bottom Imaging System. <i>Marine Geophysical Researches</i> , 2005, 26, 157-169.	1.2	40
15	The Solutrean Atlantic Hypothesis: A View from the Ocean. <i>Journal of the North Atlantic</i> , 2008, 1, 85-98.	0.4	37
16	Deglacial history of glacial lake windermere, UK: implications for the central British and Irish Ice Sheet. <i>Journal of Quaternary Science</i> , 2013, 28, 83-94.	2.1	34
17	New perspectives on coastal landscape reconstruction during the Late Quaternary: A test case from central Israel. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 468, 503-519.	2.3	33
18	Late Quaternary evolution of the upper reaches of the Solent River, Southern England, based upon marine geophysical evidence. <i>Journal of the Geological Society</i> , 1999, 156, 73-87.	2.1	31

#	ARTICLE	IF	CITATIONS
19	Rapidly-migrating and internally-generated knickpoints can control submarine channel evolution. <i>Nature Communications</i> , 2020, 11, 3129.	12.8	29
20	Imaging of Buried Archaeological Materials: The Reflection Properties of Archaeological Wood. <i>Marine Geophysical Researches</i> , 2005, 26, 135-144.	1.2	28
21	A high-resolution seismic stratigraphy from a Scottish sea loch and its implications for Loch Lomond Stadial deglaciation. <i>Journal of Quaternary Science</i> , 2000, 15, 645-656.	2.1	27
22	Effect of Sediment Properties on the Thermal Performance of Submarine HV Cables. <i>IEEE Transactions on Power Delivery</i> , 2015, 30, 2443-2450.	4.3	27
23	The frequency dependence of compressional wave velocity and attenuation coefficient of intertidal marine sediments. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 2526-2537.	1.1	26
24	3D seismic imaging of buried Younger Dryas mass movement flows: Lake Windermere, UK. <i>Geomorphology</i> , 2010, 118, 176-187.	2.6	26
25	Fault and magmatic interaction within Iceland's western rift over the last 9 kyr. <i>Geophysical Journal International</i> , 2003, 154, F1-F8.	2.4	25
26	Three-dimensional high-resolution acoustic imaging of the sub-seabed. <i>Applied Acoustics</i> , 2008, 69, 412-421.	3.3	23
27	3D reconstruction of a shallow archaeological site from high-resolution acoustic imagery: The Grace Dieu. <i>Applied Acoustics</i> , 2008, 69, 399-411.	3.3	23
28	A method for semi-automated objective quantification of linear bedforms from multi-scale digital elevation models. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 221-236.	2.5	22
29	New insights into Quaternary glacial dynamic changes on the George V Land continental margin (East) Tj ETQq1 1 0.784314 rgBT /Over	3.0	21
30	3D high-resolution acoustic imaging of the sub-seabed. <i>Applied Acoustics</i> , 2008, 69, 262-271.	3.3	21
31	Seismic stratigraphy records the deglacial history of Jakobshavn IsbrÃ , West Greenland. <i>Journal of Quaternary Science</i> , 2011, 26, 757-766.	2.1	21
32	Magmatic and tectonic history of Iceland's western rift zone at Lake Thingvallavatn. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 1451.	3.3	20
33	Characterization of buried inundated peat on seismic (Chirp) data, inferred from core information. <i>Archaeological Prospection</i> , 2007, 14, 261-272.	2.2	17
34	Late-Pleistocene evolution of the continental shelf of central Israel, a case study from Hadera. <i>Geomorphology</i> , 2016, 261, 200-211.	2.6	17
35	Buried scour marks as indicators of palaeo-current direction at the Mary Rose wreck site. <i>Marine Geology</i> , 1997, 140, 405-413.	2.1	16
36	The Invincible(1758) site-an integrated geophysical assessment. <i>International Journal of Nautical Archaeology</i> , 1998, 27, 126-138.	0.5	16

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37	Measurement of the <i>In Situ</i> Compressional Wave Properties of Marine Sediments. IEEE Journal of Oceanic Engineering, 2007, 32, 484-496.	3.8	16
38	Mapping of the Buried Yarmouth Roads Wreck, Isle of Wight, UK, using a Chirp Sub-Bottom Profiler. International Journal of Nautical Archaeology, 2008, 37, 360-373.	0.5	16
39	Clutter suppression and classification using twin inverted pulse sonar in ship wakes. Journal of the Acoustical Society of America, 2011, 130, 3431-3437.	1.1	16
40	Simulating mass loss of decaying waterlogged wood: A technique for studying ultrasound propagation velocity in waterlogged archaeological wood. Journal of Cultural Heritage, 2018, 33, 39-47.	3.3	16
41	The thermal regime around buried submarine high-voltage cables. Geophysical Journal International, 2016, 206, 1051-1064.	2.4	15
42	Lake bed geomorphology and sedimentary processes in glacial lake Windermere, UK. Journal of Maps, 2013, 9, 299-312.	2.0	14
43	Anthropogenic overprints on natural coastal aeolian sediments: A study from the periphery of ancient Caesarea, Israel. Anthropocene, 2017, 19, 22-34.	3.3	13
44	Bathymetric mapping of the coastal and offshore geology and structure of the Jurassic Coast, Weymouth Bay, UK. Journal of the Geological Society, 2017, 174, 498-508.	2.1	12
45	Chronology and palaeoenvironmental reconstruction in the sub-tidal zone: a case study from Hinkley Point. Journal of Archaeological Science, 2015, 54, 237-253.	2.4	10
46	Of mammoths and other monsters: historic approaches to the submerged Palaeolithic. Antiquity, 2016, 90, 857-875.	1.0	9
47	Low Computational Cost Model for Convective Heat Transfer From Submarine Cables. IEEE Transactions on Power Delivery, 2021, 36, 760-768.	4.3	8
48	Subsurface Imaging and Sediment Characterisation in Shallow Water Environments – Introduction to the Special Volume. Marine Geophysical Researches, 2005, 26, 83-85.	1.2	6
49	The History of Industry-Linked Research in English Waters: Lessons for the Future. Coastal Research Library, 2017, , 425-436.	0.4	6
50	The use of high-resolution seismic reflection profiles for fault analysis in the near-shore environment, Weymouth Bay, Dorset, England, United Kingdom. Journal of Geophysical Research, 1998, 103, 15409-15422.	3.3	4
51	Absolute calibration of hydrophones immersed in sandy sediment. Journal of the Acoustical Society of America, 2009, 125, 2918.	1.1	4
52	A Flexible Model to Calculate Buried Cable Ampacity in Complex Environments. IEEE Transactions on Power Delivery, 2022, 37, 2007-2015.	4.3	4
53	The geological Hubble: A reappraisal for shallow water. The Leading Edge, 2011, 30, 154-159.	0.7	3
54	Mapping of the Buried Yarmouth Roads Wreck, Isle of Wight, UK, using a Chirp Sub-Bottom Profiler. International Journal of Nautical Archaeology, 2008, 37, 360-373.	0.5	2

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55	Modern Pollution Signals in Sediments from Windermere, NW England, Determined by Micro-XRF and Lead Isotope Analysis. <i>Developments in Paleoenvironmental Research</i> , 2015, , 423-442.	8.0	2
56	Export cable rating optimisation by wind power ramp and thermal risk estimation. <i>IET Renewable Power Generation</i> , 2021, 15, 1564-1581.	3.1	2
57	Time-lapse imaging using 3D ultra-high-frequency marine seismic reflection data. <i>Geophysics</i> , 2020, 85, P13-P25.	2.6	1
58	Book reviews - Robert D. Ballard (ed.). <i>Archaeological oceanography</i> . x+284 pages, 168 b&w & colour illustrations. 2008. Princeton (NJ) & Oxford: Princeton University Press; 978-0-691-12940-2 hardback Â£32.50.. <i>Antiquity</i> , 2010, 84, 1217-1218.	1.0	0
59	Autonomous Identification of Suitable Geotechnical Measurement Locations using Underwater Vehicles. , 2021, , .		0