

Lidia Lonergan

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,204
citations

172386

29
h-index

149623

56
g-index

60
all docs

60
docs citations

60
times ranked

2505
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Origin of the Betic-Rif mountain belt. <i>Tectonics</i> , 1997, 16, 504-522. | 1.3 | 603 |
| 2 | Mechanisms and controls on the formation of sand intrusions. <i>Journal of the Geological Society</i> , 2002, 159, 605-617. | 0.9 | 255 |
| 3 | Volumetric contraction during the compaction of mudrocks: a mechanism for the development of regional-scale polygonal fault systems. <i>Basin Research</i> , 1996, 8, 183-193. | 1.3 | 226 |
| 4 | The development of polygonal fault systems by syneresis of colloidal sediments. <i>Marine and Petroleum Geology</i> , 1999, 16, 793-810. | 1.5 | 126 |
| 5 | The geometry of polygonal fault systems in Tertiary mudrocks of the North Sea. <i>Journal of Structural Geology</i> , 1998, 20, 529-548. | 1.0 | 105 |
| 6 | Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a P-T-time array. <i>Journal of the Geological Society</i> , 2003, 160, 655-676. | 0.9 | 101 |
| 7 | Seven glacial cycles in the middle-late Pleistocene of northwest Europe: Geomorphic evidence from buried tunnel valleys. <i>Geology</i> , 2011, 39, 283-286. | 2.0 | 101 |
| 8 | Evidence for Late Pleistocene ice stream activity in the Witch Ground Basin, central North Sea, from 3D seismic reflection data. <i>Quaternary Science Reviews</i> , 2007, 26, 627-643. | 1.4 | 98 |
| 9 | Pleistocene subglacial tunnel valleys in the central North Sea basin: 3-D morphology and evolution. <i>Journal of Quaternary Science</i> , 2006, 21, 891-903. | 1.1 | 90 |
| 10 | Timing and kinematics of deformation in the Malaguide Complex, internal zone of the Betic Cordillera, southeast Spain. <i>Tectonics</i> , 1993, 12, 460-476. | 1.3 | 82 |
| 11 | The Malaguide-Alpujarride boundary: a major extensional contact in the Internal Zone of the eastern Betic Cordillera, SE Spain. <i>Journal of Structural Geology</i> , 1995, 17, 1655-1671. | 1.0 | 79 |
| 12 | Strike-slip tectonics and basin inversion in the Western Mediterranean: the Post-Messinian evolution of the Alboran Sea. <i>Basin Research</i> , 2013, 25, 361-387. | 1.3 | 74 |
| 13 | 3D seismic analysis of buried tunnel valleys in the central North Sea: morphology, cross-cutting generations and glacial history. <i>Quaternary Science Reviews</i> , 2013, 72, 1-17. | 1.4 | 72 |
| 14 | The response of turbidite slope channels to growth-induced seabed topography. <i>AAPG Bulletin</i> , 2010, 94, 1011-1030. | 0.7 | 70 |
| 15 | Palaeomagnetic rotations in the eastern Betic Cordillera, southern Spain. <i>Earth and Planetary Science Letters</i> , 1993, 119, 225-241. | 1.8 | 69 |
| 16 | Characterising the spatial distribution, frequency and geomorphic controls on landslide occurrence, Molise, Italy. <i>Geomorphology</i> , 2014, 226, 148-161. | 1.1 | 63 |
| 17 | Evidence for Internal Zone unroofing from foreland basin sediments, Betic Cordillera, SE Spain. <i>Journal of the Geological Society</i> , 1994, 151, 515-529. | 0.9 | 54 |
| 18 | The control of stress history and flaw distribution on the evolution of polygonal fracture networks. <i>Journal of Structural Geology</i> , 2003, 25, 1241-1250. | 1.0 | 51 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Growth history of fault-related folds and interaction with seabed channels in the toe-thrust region of the deep-water Niger delta. <i>Marine and Petroleum Geology</i> , 2016, 70, 58-76. | 1.5 | 51 |
| 20 | Reconstructing orogenic exhumation histories using synorogenic detrital zircons and apatites: an example from the Betic Cordillera, SE Spain. <i>Basin Research</i> , 1998, 10, 353-364. | 1.3 | 49 |
| 21 | U-shaped slope gully systems and sediment waves on the passive margin of Gabon (West Africa). <i>Marine Geology</i> , 2013, 337, 80-97. | 0.9 | 47 |
| 22 | Depositional environments and chronology of Late Weichselian glaciation and deglaciation in the central North Sea. <i>Boreas</i> , 2010, 39, 471-491. | 1.2 | 45 |
| 23 | Characterization of Seaward-Dipping Reflectors Along the South American Atlantic Margin and Implications for Continental Breakup. <i>Tectonics</i> , 2018, 37, 3303-3327. | 1.3 | 45 |
| 24 | Stratigraphy, facies, and evolution of deep-water lobe complexes within a salt-controlled intraslope minibasin. <i>AAPG Bulletin</i> , 2017, 101, 1879-1904. | 0.7 | 42 |
| 25 | The Pleistocene Glaciations of the North Sea Basin. <i>Developments in Quaternary Sciences</i> , 2011, , 261-278. | 0.1 | 41 |
| 26 | Characterisation of the transmissivity field of a fractured and karstic aquifer, Southern France. <i>Advances in Water Resources</i> , 2016, 87, 106-121. | 1.7 | 37 |
| 27 | The internal-external zone boundary in the eastern Betic Cordillera, SE Spain. <i>Journal of Structural Geology</i> , 1994, 16, 175-188. | 1.0 | 36 |
| 28 | From Extension to Shortening: Tectonic Inversion Distributed in Time and Space in the Alboran Sea, Western Mediterranean. <i>Tectonics</i> , 2017, 36, 2777-2805. | 1.3 | 34 |
| 29 | Seafloor glacial features reveal the extent and decay of the last British Ice Sheet, east of Scotland. <i>Journal of Quaternary Science</i> , 2009, 24, 117-138. | 1.1 | 29 |
| 30 | Estimating flow heterogeneity in natural fracture systems. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 148, 116-129. | 0.8 | 28 |
| 31 | Subsidence analyses from the Betic Cordillera, southeast Spain. <i>Basin Research</i> , 2003, 15, 1-21. | 1.3 | 26 |
| 32 | Heterogeneous fluid flow in fractured layered carbonates and its implication for generation of incipient karst. <i>Advances in Water Resources</i> , 2017, 107, 502-516. | 1.7 | 26 |
| 33 | The role of thermal conductivity measurements in modelling thermal histories in sedimentary basins. <i>Marine and Petroleum Geology</i> , 1997, 14, 201-214. | 1.5 | 24 |
| 34 | Seismic investigation of thick evaporite deposits on the central and inner unit of the Mediterranean Ridge accretionary complex. <i>Marine Geology</i> , 2002, 186, 167-194. | 0.9 | 24 |
| 35 | Oblique transpression in the western thrust front of the Colombian Eastern Cordillera. <i>Journal of South American Earth Sciences</i> , 2004, 17, 181-194. | 0.6 | 23 |
| 36 | A subducting seamount beneath the Mediterranean Ridge. <i>Tectonophysics</i> , 1997, 271, 249-261. | 0.9 | 22 |

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|----|--|-----|-----------|
| 37 | Strike-slip deformation within the Colombian Andes. Geological Society Special Publication, 2007, 272, 303-319. | 0.8 | 22 |
| 38 | The role of structural growth in controlling the facies and distribution of mass transport deposits in a deep-water salt minibasin. Marine and Petroleum Geology, 2019, 104, 106-124. | 1.5 | 20 |
| 39 | Growth of a thrust fault array in space and time: An example from the deep-water Niger delta. Journal of Structural Geology, 2020, 137, 104088. | 1.0 | 18 |
| 40 | Fluid inclusion constraints on conditions and timing of hydrocarbon migration and quartz cementation in Brent Group reservoir sandstones, Columba Terrace, northern North Sea. Geological Society Special Publication, 1998, 144, 69-89. | 0.8 | 17 |
| 41 | 3D seismic analysis of buried tunnel valleys in the Central North Sea: tunnel valley fill sedimentary architecture. Geological Society Special Publication, 2012, 368, 173-184. | 0.8 | 16 |
| 42 | Polygonal faulting in the Tertiary of the central North Sea: implications for reservoir geology. Geological Society Special Publication, 1998, 127, 191-207. | 0.8 | 15 |
| 43 | Comparison of upwards splaying and upwards merging segmented normal faults. Journal of Structural Geology, 2017, 100, 1-11. | 1.0 | 15 |
| 44 | Proximal deposits at a fault-controlled basin margin, Upper Miocene, SE Spain. Journal of the Geological Society, 1993, 150, 719-727. | 0.9 | 14 |
| 45 | Seismic velocity structure of seaward-dipping reflectors on the South American continental margin. Earth and Planetary Science Letters, 2019, 521, 14-24. | 1.8 | 14 |
| 46 | Using time-lapse seismic monitoring to identify trapping mechanisms during CO2 sequestration. International Journal of Greenhouse Gas Control, 2012, 11, 316-325. | 2.3 | 11 |
| 47 | Quantifying the relationship between structural deformation and the morphology of submarine channels on the Niger Delta continental slope. Basin Research, 2021, 33, 186-209. | 1.3 | 11 |
| 48 | The formation of the Sichuan Basin, South China, during the Late Ediacaran to Early Cambrian. Basin Research, 2021, 33, 2328-2357. | 1.3 | 11 |
| 49 | New models for submarine channel deposits on structurally complex slopes: Examples from the Niger delta system. Marine and Petroleum Geology, 2021, 129, 105040. | 1.5 | 11 |
| 50 | Fractures, fluid flow and mineralization: an introduction. Geological Society Special Publication, 1999, 155, 1-6. | 0.8 | 10 |
| 51 | Basin Evolution and Shale Tectonics on an Obliquely Convergent Margin: The Bahia Basin, Offshore Colombian Caribbean. Tectonics, 2020, 39, e2019TC005787. | 1.3 | 10 |
| 52 | Three-dimensional consolidation of fine-grained sediments. Canadian Geotechnical Journal, 1999, 36, 355-362. | 1.4 | 8 |
| 53 | Fracture spacing and orientation distributions for two-dimensional data sets. Journal of Geophysical Research, 2000, 105, 19305-19320. | 3.3 | 8 |
| 54 | The Internal-External zone boundary in the eastern Betic Cordillera, SE Spain: Reply. Journal of Structural Geology, 1996, 18, 525-527. | 1.0 | 7 |

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|----|--|-----|-----------|
| 55 | Three-dimensional seismic imaging of a dynamic Earth. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 3359-3375. | 1.6 | 4 |
| 56 | New statistical quantification of the impact of active deformation on the distribution of submarine channels. Geology, 0, , . | 2.0 | 4 |
| 57 | Quantifying structural controls on submarine channel architecture and kinematics. Bulletin of the Geological Society of America, 2022, 134, 928-940. | 1.6 | 4 |
| 58 | Discussion on mechanisms and controls on the formation of sand intrusions. Journal of the Geological Society, 2003, 160, 495-496. | 0.9 | 3 |
| 59 | Study of fracture-induced anisotropy from discrete fracture network simulation of well test responses. Geological Society Special Publication, 2007, 270, 117-137. | 0.8 | 3 |
| 60 | Sigmoidal normal faults and evidence for vertical-axis block rotation in an oblique convergent margin: A 3D seismic example from offshore Colombia. The Leading Edge, 2021, 40, 923-930. | 0.4 | 0 |