

David D Mcnamara

List of Publications by Year in descending order

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28
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times ranked

768
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Slow slip source characterized by lithological and geometric heterogeneity. <i>Science Advances</i> , 2020, 6, eaay3314. | 10.3 | 95 |
| 2 | Late-interseismic state of a continental plate-bounding fault: Petrophysical results from DFDP-1 wireline logging and core analysis, Alpine Fault, New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3801-3820. | 2.5 | 43 |
| 3 | Processing and analysis of high temperature geothermal acoustic borehole image logs in the Taupo Volcanic Zone, New Zealand. <i>Geothermics</i> , 2015, 53, 190-201. | 3.4 | 41 |
| 4 | A review of the Rotokawa Geothermal Field, New Zealand. <i>Geothermics</i> , 2016, 59, 281-293. | 3.4 | 39 |
| 5 | Heterogeneity of structure and stress in the Rotokawa Geothermal Field, New Zealand. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1243-1262. | 3.4 | 36 |
| 6 | Fabrics produced mimetically during static metamorphism in retrogressed eclogites from the Zermatt-Saas zone, Western Italian Alps. <i>Journal of Structural Geology</i> , 2012, 44, 167-178. | 2.3 | 33 |
| 7 | Mixed deformation styles observed on a shallow subduction thrust, Hikurangi margin, New Zealand. <i>Geology</i> , 2019, 47, 872-876. | 4.4 | 33 |
| 8 | Analysis of the favorability for geothermal fluid flow in 3D: Astor Pass geothermal prospect, Great Basin, northwestern Nevada, USA. <i>Geothermics</i> , 2016, 60, 1-12. | 3.4 | 29 |
| 9 | Damaged beyond repair? Characterising the damage zone of a fault late in its interseismic cycle, the Alpine Fault, New Zealand. <i>Journal of Structural Geology</i> , 2016, 90, 76-94. | 2.3 | 28 |
| 10 | Calcite sealing in a fractured geothermal reservoir: Insights from combined EBSD and chemistry mapping. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 323, 38-52. | 2.1 | 24 |
| 11 | Statistical methods of fracture characterization using acoustic borehole televiewer log interpretation. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6836-6852. | 3.4 | 23 |
| 12 | Physical Properties and Gas Hydrate at a Near-seafloor Thrust Fault, Hikurangi Margin, New Zealand. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088474. | 4.0 | 20 |
| 13 | Fault Permeability and CO2 Storage. <i>Energy Procedia</i> , 2017, 114, 3229-3236. | 1.8 | 18 |
| 14 | Controls on fault zone structure and brittle fracturing in the foliated hanging wall of the Alpine Fault. <i>Solid Earth</i> , 2018, 9, 469-489. | 2.8 | 15 |
| 15 | Evidence for tectonic, lithologic, and thermal controls on fracture system geometries in an andesitic high-temperature geothermal field. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6853-6874. | 3.4 | 14 |
| 16 | The Alpine Fault Hangingwall Viewed From Within: Structural Analysis of Ultrasonic Image Logs in the DFDP-2B Borehole, New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2492-2515. | 2.5 | 14 |
| 17 | Tectonic Controls on Taupo Volcanic Zone Geothermal Expression: Insights From Te Mihi, Wairakei Geothermal Field. <i>Tectonics</i> , 2019, 38, 3011-3033. | 2.8 | 11 |
| 18 | Quantitative geometric description of fracture systems in an andesite lava flow using terrestrial laser scanner data. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 341, 315-331. | 2.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Characterizing the subsurface structure and stress of New Zealand's geothermal fields using borehole images. <i>Energy Procedia</i> , 2017, 125, 273-282. | 1.8 | 9 |
| 20 | Variable In Situ Stress Orientations Across the Northern Hikurangi Subduction Margin. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091707. | 4.0 | 8 |
| 21 | Omphacite—a mineral under pressure!. <i>Geology Today</i> , 2012, 28, 71-75. | 0.9 | 6 |
| 22 | Effects of regional and local stresses on fault slip tendency in the southern Taranaki Basin, New Zealand. <i>Marine and Petroleum Geology</i> , 2019, 107, 467-483. | 3.3 | 6 |
| 23 | Spatial Variation of Shallow Stress Orientation Along the Hikurangi Subduction Margin: Insights From In-situ Borehole Image Logging. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, . | 3.4 | 5 |
| 24 | Asymmetric Brittle Deformation at the Pāpaku Fault, Hikurangi Subduction Margin, NZ, IODP Expedition 375. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009662. | 2.5 | 4 |
| 25 | Physical and Mechanical characteristic relationships of Late-Cretaceous to Eocene reservoir rocks in the Maui, Maari and Manaia Fields, New Zealand. <i>Journal of Petroleum Science and Engineering</i> , 2022, 213, 110375. | 4.2 | 3 |
| 26 | Quantitative Analysis of EBSD Data in Rocks and other Crystalline Materials: Investigation of Strain Induced Recrystallisation and Growth of New Phases. <i>Materials Science Forum</i> , 2012, 715-716, 62-71. | 0.3 | 2 |
| 27 | Physical property characterization of the Waipapa greywacke: an important geothermal reservoir basement rock in New Zealand. <i>Geothermal Energy</i> , 2022, 10, . | 1.9 | 2 |
| 28 | Feasibility of Storing Carbon Dioxide on a Tectonically Active Margin: New Zealand. , 2015, , . | | 0 |