

Louise Olsen-Kettle

List of Publications by Year in descending order

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15
papers

166
citations

1162889

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1199470

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docs citations

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times ranked

144
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Simulating damage evolution and fracture propagation in sandstone containing a preexisting 3D surface flaw under uniaxial compression. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 1448-1466. | 1.7 | 29 |
| 2 | Identification of supershear transition mechanisms due to material contrast at bimaterial faults. <i>Geophysical Journal International</i> , 2012, 190, 1169-1180. | 1.0 | 18 |
| 3 | Using ultrasonic investigations to develop anisotropic damage models for initially transverse isotropic materials undergoing damage to remain transverse isotropic. <i>International Journal of Solids and Structures</i> , 2018, 138, 155-165. | 1.3 | 18 |
| 4 | Bridging the macro to mesoscale: Evaluating the fourth-order anisotropic damage tensor parameters from ultrasonic measurements of an isotropic solid under triaxial stress loading. <i>International Journal of Damage Mechanics</i> , 2019, 28, 219-232. | 2.4 | 17 |
| 5 | Sensitivity of the damage response and fracture path to material heterogeneity present in a sandstone specimen containing a pre-existing 3-D surface flaw under uniaxial loading. <i>Computers and Geotechnics</i> , 2020, 126, 103728. | 2.3 | 16 |
| 6 | Regularization of continuum damage mechanics models for 3-D brittle materials using implicit gradient enhancement. <i>Computers and Geotechnics</i> , 2020, 122, 103505. | 2.3 | 14 |
| 7 | Voltage control of exchange coupling in phosphorus doped silicon. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5697-5704. | 0.7 | 11 |
| 8 | Quantifying the orthotropic damage tensor for composites undergoing damage-induced anisotropy using ultrasonic investigations. <i>Composite Structures</i> , 2018, 204, 701-711. | 3.1 | 10 |
| 9 | The effects of J-gate potential and interfaces on donor exchange coupling in the Kane quantum computer architecture. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 1011-1023. | 0.7 | 9 |
| 10 | Effects of a non-coaxial flow rule on shear bands in viscous-plastic materials. <i>Granular Matter</i> , 2011, 13, 205-210. | 1.1 | 8 |
| 11 | Stress heterogeneities in earthquake rupture experiments with material contrasts. <i>Journal of the Mechanics and Physics of Solids</i> , 2013, 61, 742-761. | 2.3 | 8 |
| 12 | A double slip non-coaxial flow rule for viscous-plastic Cosserat materials. <i>Acta Geotechnica</i> , 2011, 6, 219-229. | 2.9 | 3 |
| 13 | A study of localization limiters and mesh dependency in earthquake rupture. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 119-130. | 1.6 | 2 |
| 14 | Impact of Stress-Induced Rock Damage on Elastic Symmetry: From Transverse Isotropy to Orthotropy. <i>Rock Mechanics and Rock Engineering</i> , 0, , 1. | 2.6 | 2 |
| 15 | Assessment of Tensorial and Scalar Damage Models for an Isotropic Thermally Cracked Rock Under Confining Pressure Using Experimental Data: Continuum Damage Mechanics Versus Effective Medium Theory. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 505-519. | 2.6 | 1 |