

# Louise Olsen-Kettle

## List of Publications by Year in descending order

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15  
papers

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citations

1162889

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1199470

12  
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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Simulating damage evolution and fracture propagation in sandstone containing a preexisting 3-D surface flaw under uniaxial compression. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 1448-1466.	1.7	29
5	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
6	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
7	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
8	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
9	Identification of supershear transition mechanisms due to material contrast at bimaterial faults. <i>Geophysical Journal International</i> , 2012, 190, 1169-1180.	1.0	18
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	A double slip non-coaxial flow rule for viscous-plastic Cosserat materials. <i>Acta Geotechnica</i> , 2011, 6, 219-229.	2.9	3
12	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
13	Voltage control of exchange coupling in phosphorus doped silicon. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5697-5704.	0.7	11
14	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
15	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