

Shawn Kenny

List of Publications by Year in descending order

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43
papers

538
citations

933447

10
h-index

677142

22
g-index

45
all docs

45
docs citations

45
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Probability assessment of burst limit state due to internal corrosion. International Journal of Pressure Vessels and Piping, 2012, 89, 48-58.	2.6	71
2	Finite element modeling of lateral pipeline-soil interactions in dense sand. Canadian Geotechnical Journal, 2016, 53, 490-504.	2.8	66
3	Investigating pipeline-soil interaction under axial-lateral relative movements in sand. Canadian Geotechnical Journal, 2011, 48, 1683-1695.	2.8	62
4	Uplift Failure Mechanisms of Pipes Buried in Dense Sand. International Journal of Geomechanics, 2018, 18, .	2.7	41
5	Dynamic elastic buckling of a slender beam with geometric imperfections subject to an axial impulse. Finite Elements in Analysis and Design, 2000, 35, 227-246.	3.2	31
6	Buried Pipelines Subject to Subgouge Deformations. International Journal of Geomechanics, 2007, 7, 206-216.	2.7	31
7	Upward Pipe-Soil Interaction for Shallowly Buried Pipelines in Dense Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	29
8	Lateral resistance of pipes and strip anchors buried in dense sand. Canadian Geotechnical Journal, 2018, 55, 1812-1823.	2.8	19
9	Experimental investigations on the dynamic plastic buckling of a slender beam subject to axial impact. International Journal of Impact Engineering, 2002, 27, 1-17.	5.0	15
10	Offshore pipelines and ice gouge geohazards: comparative performance assessment of decoupled structural and coupled continuum models. Canadian Geotechnical Journal, 2016, 53, 1866-1881.	2.8	13
11	Analysis and Design of Buried Pipelines for Ice Gouging Hazard: A Probabilistic Approach. Journal of Offshore Mechanics and Arctic Engineering, 2007, 129, 219-228.	1.2	11
12	Numerical Investigation of Oblique Pipeline/Soil Interaction in Sand. , 2010, , .		11
13	Identification of the Cause of Variability of Probability of Failure for Burst Models Recommended by Codes/Standards. Journal of Pressure Vessel Technology, Transactions of the ASME, 2011, 133, .	0.6	11
14	Radial Buckling of Tensile Armor Wires in Subsea Flexible Pipe-Numerical Assessment of Key Factors. Journal of Offshore Mechanics and Arctic Engineering, 2016, 138, .	1.2	10
15	Finite Element Investigation on the Tensile Armor Wire Response of Flexible Pipe for Axisymmetric Loading Conditions Using an Implicit Solver. Journal of Offshore Mechanics and Arctic Engineering, 2018, 140, .	1.2	10
16	Numerical performance assessment of buried corrugated metal culvert subject to service load conditions. Canadian Journal of Civil Engineering, 2021, 48, 99-114.	1.3	9
17	Community perceptions and pro-environmental behavior: The mediating roles of social norms and climate change risk.. Canadian Journal of Behavioural Science, 2021, 53, 200-210.	0.6	9
18	Influence of Geotechnical Loads on Local Buckling Behavior of Buried Pipelines. , 2008, , .		8

#	ARTICLE	IF	CITATIONS
19	Finite element investigations on the dynamic plastic buckling of a slender beam subject to axial impact. International Journal of Impact Engineering, 2002, 27, 179-195.	5.0	7
20	Parameters Affecting the Buckling and Post-Buckling Behaviour of High Strength Pipelines. , 2009, , .		6
21	Probabilistic Transgranular Stress Corrosion Cracking Analysis for Oil and Gas Pipelines. Journal of Pressure Vessel Technology, Transactions of the ASME, 2012, 134, .	0.6	6
22	A numerical study of erosion void and corrosion effects on the performance of buried corrugated steel culverts. Engineering Structures, 2022, 260, 114217.	5.3	6
23	Investigations on the Local Buckling Response of High Strength Linepipe. , 2008, , .		5
24	Significance of geotechnical loads on local buckling response of buried pipelines with respect to conventional practice. Canadian Geotechnical Journal, 2013, 50, 68-80.	2.8	5
25	Parameters Affecting the Local Buckling Response of High Strength Linepipe. Journal of Offshore Mechanics and Arctic Engineering, 2017, 139, .	1.2	5
26	Continuum Finite Element Methods to Establish Compressive Strain Limits for Offshore Pipelines in Ice Gouge Environments. , 2007, , .		5
27	Probabilistic Design Methodology to Mitigate Ice Gouge Hazards for Offshore Pipelines. , 2004, , 1925.		4
28	Continuum Modelling of Ice Gouge Events: Observations and Assessment. , 2011, , .		4
29	Effect of Misalignment and Weld Induced Residual Stresses on the Local Buckling Response of Pipelines. Journal of Pressure Vessel Technology, Transactions of the ASME, 2011, 133, .	0.6	3
30	Influence of Low Confining Pressure in Modeling of Lateral Pipeline/Soil Interaction in Dense Sand. , 2014, , .		3
31	Failure Mechanisms of Equal and Unequal Wall Thickness Hybrid Maraging Steel-P20 Tubular Joints: Effects of Welding Residual Stresses. Journal of Offshore Mechanics and Arctic Engineering, 2021, 143, .	1.2	3
32	Comparative Study on the Collapse Response of Flexible Pipe Using Finite Element Methods. , 2014, , .		2
33	Effects of Post-Peak Softening Behavior of Dense Sand on Lateral and Upward Displacement of Buried Pipelines. , 2015, , .		2
34	Offshore Pipelinesâ€™Elements of Managing Risk. Methods in Chemical Process Safety, 2018, 2, 289-325.	1.0	2
35	End Boundary Effects on Local Buckling Response of High Strength Linepipe. , 2010, , .		2
36	Systematic preparation and processing of interferometric synthetic aperture radar data for monitoring linear transportation infrastructure. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Influence of Pipeline Misalignment on the Local Buckling Response. , 2008, , .		1
38	Effect of Soil Restraint on the Buckling Response of Buried Pipelines. , 2010, , .		1
39	Lateral-Axial Pipe/Soil Interaction Events: Numerical Modelling Trends and Technical Issues. , 2012, , .		1
40	Deployable oil dispersant system for fixed wing aircraft. , 2014, , .		1
41	Mechanical Integrity Evaluation of Unequal Wall Thickness Transition Joints in Transmission Pipeline. , 2014, , .		1
42	A Comparative Study Between Lateral and Upward Anchor-Soil and Pipe-Soil Interaction in Dense Sand. , 2016, , .		1
43	Effects of Girth Weld on the Local Buckling Response of Conventional Grade Pipelines. , 2009, , .		0