

# Ralf Peek

## List of Publications by Year in descending order

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21  
papers

358  
citations

759233

12  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of a Pipeline Span on an Elastic Seabed. Applied Ocean Research, 2021, 111, 102407.	4.1	1
2	Nonlinear Span Assessment by Amplitude-Dependent Linearization. Journal of Offshore Mechanics and Arctic Engineering, 2020, 142, .	1.2	2
3	Zero-Radius Bend Method to Trigger Lateral Buckles. Journal of Transportation Engineering, 2009, 135, 946-952.	0.9	17
4	Flotation to Trigger Lateral Buckles in Pipelines on a Flat Seabed. Journal of Engineering Mechanics - ASCE, 2007, 133, 442-451.	2.9	36
5	Scaling of Solutions for the Lateral Buckling of Elastic-Plastic Pipelines. , 2004, , 1.		2
6	Wrinkling of tubes in bending from finite strain three-dimensional continuum theory. International Journal of Solids and Structures, 2002, 39, 709-723.	2.7	22
7	Axisymmetric Wrinkling of Cylinders with Finite Strain. Journal of Engineering Mechanics - ASCE, 2000, 126, 455-461.	2.9	17
8	Postbuckling analysis and imperfection sensitivity of general shells by the finite element method. International Journal of Solids and Structures, 1999, 36, 2641-2681.	2.7	15
9	Plastic Buckling of Unanchored Roofed Tanks under Dynamic Loads. Journal of Engineering Mechanics - ASCE, 1998, 124, 648-657.	2.9	3
10	Mechanical Analogies for Liquid Storage Tanks and Action of Eccentric Gravity Loads. Journal of Engineering Mechanics - ASCE, 1997, 123, 561-567.	2.9	2
11	Parametric study of vertical vibrations of circular flexible foundations on layered media. Earthquake Engineering and Structural Dynamics, 1993, 22, 685-694.	4.4	15
12	Postbuckling behavior and imperfection sensitivity of elastic structures by the Lyapunov-Schmidt-Koiter approach. Computer Methods in Applied Mechanics and Engineering, 1993, 108, 261-279.	6.6	35
13	Worst shapes of imperfections for space trusses with multiple global and local buckling modes. International Journal of Solids and Structures, 1993, 30, 2243-2260.	2.7	8
14	A new look at energy release rates for quasistatically propagating cracks in inelastic materials. International Journal of Fracture, 1993, 59, 151-160.	2.2	0
15	Posterior Time-Step Adjustment in Pseudodynamic Testing. Journal of Engineering Mechanics - ASCE, 1993, 119, 1376-1386.	2.9	2
16	Load Shortening in Plastic Buckling of Cylinders. Journal of Engineering Mechanics - ASCE, 1992, 118, 1892-1906.	2.9	1
17	On stability and the worst imperfection shape in solids with nearly simultaneous eigenmodes. International Journal of Solids and Structures, 1992, 29, 2281-2299.	2.7	52
18	Worst shapes of imperfections for space trusses with many simultaneously buckling members. International Journal of Solids and Structures, 1992, 29, 2385-2402.	2.7	13

#	ARTICLE	IF	CITATIONS
19	Error Analysis for Pseudodynamic Test Method. II: Application. Journal of Engineering Mechanics - ASCE, 1990, 116, 1638-1658.	2.9	28
20	Error Analysis for Pseudodynamic Test Method. I: Analysis. Journal of Engineering Mechanics - ASCE, 1990, 116, 1618-1637.	2.9	38
21	Analysis of unanchored liquid storage tanks under lateral loads. Earthquake Engineering and Structural Dynamics, 1988, 16, 1087-1100.	4.4	49