

Evan C Bentz

List of Publications by Year in descending order

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43
papers

1,232
citations

471371

17
h-index

360920

35
g-index

43
all docs

43
docs citations

43
times ranked

824
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a civil infrastructure resilience assessment framework and its application to a nuclear power plant. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 1-14.	2.0	6
2	Assessing beam shear behavior with distributed longitudinal strains. <i>Structural Concrete</i> , 2022, 23, 1555-1571.	1.5	6
3	A Mechanics-Based Finite Element for the Analysis of Shear-Critical Slender Reinforced Beams and Columns. <i>Journal of Structural Engineering</i> , 2022, 148, .	1.7	1
4	Authors' closure on the discussion of the article: "On shear in members without stirrups and the application of energy-based methods in light of 30 years of test observations" (discussion by D. Armeiz et al.)	1.5	0
5	Nonlinear sectional analysis of reinforced concrete beams and shells subjected to pure torsion. <i>Computers and Structures</i> , 2019, 222, 118-132.	2.4	11
6	On shear in members without stirrups and the application of energy-based methods in light of 30 years of test observations. <i>Structural Concrete</i> , 2019, 20, 1481-1489.	1.5	9
7	Evaluation of the thermal strain of an NPP containment structure during leakage rate tests. <i>Engineering Structures</i> , 2019, 201, 109761.	2.6	1
8	Shrinkage and creep strains of concrete exposed to low relative humidity and high temperature environments. <i>Nuclear Engineering and Design</i> , 2019, 352, 110154.	0.8	14
9	Empirical Modeling of Cracking in Reinforced Concrete. <i>ACI Structural Journal</i> , 2019, 116, .	0.3	9
10	Effect of Member Size and Tendon Layout on Shear Behavior of Post-Tensioned Beams. <i>ACI Structural Journal</i> , 2019, 116, .	0.3	7
11	Distributed Sensing in Large Reinforced Concrete Shear Test. <i>ACI Structural Journal</i> , 2019, 116, .	0.3	23
12	Method for evaluation of concrete containment structure subjected to earthquake excitation and internal pressure increase. <i>Earthquake Engineering and Structural Dynamics</i> , 2018, 47, 1544-1565.	2.5	11
13	Strength of steel fiber reinforced concrete beams in pure torsion. <i>Structural Concrete</i> , 2018, 19, 684-694.	1.5	23
14	Influence of Shear on Deformations of Coupling Beams. , 2018, , 1156-1163.		1
15	Model for Assessment of Cracked Reinforced Concrete Membrane Elements Subjected to Shear and Axial Loads. <i>ACI Structural Journal</i> , 2018, 115, .	0.3	12
16	Evaluation of CANDU NPP containment structure subjected to aging and internal pressure increase. <i>Nuclear Engineering and Design</i> , 2017, 314, 82-92.	0.8	25
17	Finite/discrete element modelling of reversed cyclic tests on unreinforced masonry structures. <i>Engineering Structures</i> , 2017, 138, 159-169.	2.6	25
18	Bridge model updating using distributed sensor data. <i>Proceedings of the Institution of Civil Engineers: Bridge Engineering</i> , 2017, 170, 74-86.	0.3	8

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19	Pure Mechanics Crack Model for Shear Stress Transfer in Cracked Reinforced Concrete. ACI Structural Journal, 2017, 114, .	0.3	15
20	Distributed Sensing for Shrinkage and Tension Stiffening Measurement. ACI Structural Journal, 2017, 114, .	0.3	43
21	Response of Heavily Reinforced High-Strength Concrete Coupling Beams. ACI Structural Journal, 2017, 114, .	0.3	11
22	DESIGN OF INDIRECTLY LOADED LARGE FOOTINGS FOR ONE-WAY SHEAR. ACI Structural Journal, 2016, 113, .	0.3	1
23	Finite/discrete element model of tension stiffening in GFRP reinforced concrete. Engineering Structures, 2016, 111, 494-504.	2.6	10
24	Shear Response of Prestressed Thin-Webbed Continuous Girders. ACI Structural Journal, 2016, 113, .	0.3	6
25	Influence of High-Strength Bars on Shear Response of Containment Walls. ACI Structural Journal, 2016, 113, .	0.3	12
26	Reversed Cyclic Experiments on Shear Stress Transfer across Cracks in Reinforced Concrete Elements. ACI Structural Journal, 2016, 113, .	0.3	15
27	Shear Response under Reversed Cyclic Loading. ACI Structural Journal, 2016, 113, .	0.3	5
28	Three-Parameter Kinematic Theory for Shear Behavior of Continuous Deep Beams. ACI Structural Journal, 2015, 112, .	0.3	20
29	Investigation of Shear Response of Nuclear Power Plant Wall Elements using High Strength Materials. IABSE Symposium Report, 2014, , .	0.0	0
30	ACI-DAfStb Databases for Shear Tests on Slender Reinforced Concrete Beams with Stirrups. ACI Structural Journal, 2014, 111, .	0.3	78
31	Background to <i>fib</i> Model Code 2010 shear provisions â€“ part II: punching shear. Structural Concrete, 2013, 14, 204-214.	1.5	55
32	Background to the <i>fib</i> Model Code 2010 shear provisions â€“ part I: beams and slabs. Structural Concrete, 2013, 14, 195-203.	1.5	78
33	Shear Strength of Large Concrete Members with FRP Reinforcement. Journal of Composites for Construction, 2010, 14, 637-646.	1.7	141
34	Shear Strength of Members without Transverse Reinforcement. , 2009, , .		2
35	Influence of Longitudinal Reinforcement on One-Way Shear in Slabs and Wide Beams. Journal of Structural Engineering, 2009, 135, 78-87.	1.7	19
36	Influence of Clamping Stresses in the Shear Strength of Concrete Slabs Under Uniform Loads. Journal of Earthquake Engineering, 2009, 13, 1-17.	1.4	26

#	ARTICLE	IF	CITATIONS
37	An adequate theory for the shear strength of reinforced concrete structures. Magazine of Concrete Research, 2008, 60, 635-650.	0.9	69
38	Does the Use of FRP Reinforcement Change the One-Way Shear Behavior of Reinforced Concrete Slabs?. Journal of Composites for Construction, 2008, 12, 125-133.	1.7	94
39	Closure to "Explaining the Riddle of Tension Stiffening Models for Shear Panel Experiments" by Evan Bentz. Journal of Structural Engineering, 2007, 133, 151-151.	1.7	0
40	Development of the 2004 Canadian Standards Association (CSA) A23.3 shear provisions for reinforced concrete. Canadian Journal of Civil Engineering, 2006, 33, 521-534.	0.7	98
41	Summary of Development and Use of CSA 2004 Shear Design Provisions. , 2006, , 67-80.		1
42	Explaining the Riddle of Tension Stiffening Models for Shear Panel Experiments. Journal of Structural Engineering, 2005, 131, 1422-1425.	1.7	71
43	An overview and sensitivity study of a multimechanistic chloride transport model. Cement and Concrete Research, 1999, 29, 827-837.	4.6	170