

David Yankelevsky

List of Publications by Year in descending order

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50
papers

1,042
citations

567144

15
h-index

434063

31
g-index

50
all docs

50
docs citations

50
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Response of high performance concrete plates to impact of non-deforming projectiles. International Journal of Impact Engineering, 2007, 34, 1768-1779.	2.4	156
2	Uniaxial Behavior of Concrete in Cyclic Tension. Journal of Structural Engineering, 1989, 115, 166-182.	1.7	102
3	Local response of concrete slabs to low velocity missile impact. International Journal of Impact Engineering, 1997, 19, 331-343.	2.4	96
4	One-dimensional analysis of tension stiffening in reinforced concrete with discrete cracks. Engineering Structures, 2008, 30, 206-217.	2.6	60
5	Resistance of a concrete target to penetration of a rigid projectile - revisited. International Journal of Impact Engineering, 2017, 106, 30-43.	2.4	60
6	A simplified analytical method for soil penetration analysis. International Journal for Numerical and Analytical Methods in Geomechanics, 1980, 4, 233-254.	1.7	54
7	Strength prediction of annealed glass plates – A new model. Engineering Structures, 2014, 79, 244-255.	2.6	41
8	Nose shape effect on high velocity soil penetration. International Journal of Mechanical Sciences, 1980, 22, 297-311.	3.6	39
9	Vibrations of beams fully or partially supported on elastic foundations. Earthquake Engineering and Structural Dynamics, 1985, 13, 651-660.	2.5	35
10	The optimal shape of an earth penetrating projectile. International Journal of Solids and Structures, 1983, 19, 25-31.	1.3	30
11	ON ECCENTRIC SEISMIC POUNDING OF SYMMETRIC BUILDINGS. Earthquake Engineering and Structural Dynamics, 1996, 25, 219-233.	2.5	30
12	Punching shear in concrete slabs. International Journal of Mechanical Sciences, 1999, 41, 1-15.	3.6	28
13	Cavitation phenomena in soil-projectile interaction. International Journal of Impact Engineering, 1985, 3, 167-178.	2.4	23
14	New Finite Element for Bond-Slip Analysis. Journal of Structural Engineering, 1985, 111, 1533-1542.	1.7	21
15	TNT equivalency in an internal explosion event. Journal of Hazardous Materials, 2019, 374, 248-257.	6.5	19
16	Determination of the interaction between a masonry wall and a confining frame. Engineering Structures, 2018, 167, 214-226.	2.6	18
17	An Innovative Experimental Procedure to Study Local Rebar-Concrete Bond by Direct Observations and Measurements. Experimental Mechanics, 2016, 56, 673-682.	1.1	15
18	Prediction of annealed glass window response to blast loading. International Journal of Impact Engineering, 2016, 88, 189-200.	2.4	14

#	ARTICLE	IF	CITATIONS
19	The embedment of a high velocity rigid ogive nose projectile into a concrete target. <i>International Journal of Impact Engineering</i> , 2020, 144, 103631.	2.4	13
20	Role of Internal Damage Mechanisms in Controlling Bond-Slip Behavior in Pullout Tests in Concrete. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	12
21	Penetration mechanisms of non-deforming projectiles into reinforced concrete barriers. <i>Structural Engineering and Mechanics</i> , 2002, 13, 171-186.	1.0	12
22	An analytical model for the out-of-plane response of URM walls to different lateral static loads. <i>Engineering Structures</i> , 2017, 136, 194-209.	2.6	11
23	Direct Digital Image Analysis of Local Displacements and Strains in a Pull-out Test. <i>Structures</i> , 2018, 14, 230-242.	1.7	11
24	Effect of masonry joints on the behavior of infilled frames. <i>Construction and Building Materials</i> , 2018, 189, 144-156.	3.2	11
25	Blast and impact loading effects on glass and steel elements and materials. <i>Thin-Walled Structures</i> , 2019, 134, 384-394.	2.7	11
26	Dynamic punching shear of impacting RC flat slabs with drop panels. <i>Engineering Failure Analysis</i> , 2021, 129, 105682.	1.8	11
27	Fracture characteristics of laboratory-tested soda lime glass specimens. <i>Canadian Journal of Civil Engineering</i> , 2017, 44, 151-160.	0.7	10
28	A two-phase one dimensional model for steel-concrete interaction. <i>Computers and Structures</i> , 1997, 65, 781-794.	2.4	9
29	Constant deceleration approaches for penetration analysis of rigid projectile into concrete: Revisited. <i>International Journal of Protective Structures</i> , 2020, 11, 515-532.	1.4	9
30	On Potential Progressive Failure of Large-Panel Buildings. <i>Journal of Structural Engineering</i> , 2007, 133, 1591-1603.	1.7	8
31	Analytical model for the dynamic response of blast-loaded arching masonry walls. <i>Engineering Structures</i> , 2018, 176, 49-63.	2.6	7
32	Behavior of High Ductility Cement Composite Beams under Low Impact. <i>International Journal of Protective Structures</i> , 2012, 3, 177-191.	1.4	6
33	Circumferential strains of a concrete specimen in a pullout test. <i>Structural Concrete</i> , 2019, 20, 986-995.	1.5	6
34	Analytical Modeling of Crack Widths and Cracking Loads in Structural RC Members. <i>Infrastructures</i> , 2022, 7, 40.	1.4	6
35	Experimental evaluation of the interaction between a masonry infill wall and the surrounding frame. <i>Strain</i> , 2017, 53, e12250.	1.4	5
36	Nonlinear Features of the Bond-Slip Ascending Branch. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	5

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37	Evaluation of punching shear design criteria to prevent progressive collapse of RC flat slabs. International Journal of Protective Structures, 2021, 12, 174-205.	1.4	5
38	The effect of local rebar geometry on global strain measurements in pull out tests. Structural Concrete, 2020, 21, 413-427.	1.5	4
39	Size effect of the modulus of rupture in float glass plates. Structures, 2020, 27, 1637-1645.	1.7	4
40	Shearing of infill masonry walls under lateral and vertical loading. Journal of Building Engineering, 2021, 38, 102147.	1.6	4
41	From impact of RC flat slabs in a building to its progressive collapse. International Journal of Protective Structures, 2022, 13, 439-466.	1.4	4
42	Nonlinear Rigid-Flexible Multibody Modeling of Arching Masonry Walls Subjected to Blast Loading. Journal of Engineering Mechanics - ASCE, 2021, 147, .	1.6	3
43	Standard Testing of Glass Revisited - Experimental and Theoretical Aspects. Journal of Testing and Evaluation, 2018, 46, 1819-1831.	0.4	3
44	Experimental study on one-way arching masonry specimens under monotonic and cyclic loads. Structures, 2022, 37, 1142-1156.	1.7	3
45	The effect of the loading system on the modulus of rupture of a rectangular glass plate. Construction and Building Materials, 2021, 271, 121585.	3.2	2
46	Continuous beam-type model for the static analysis of arching masonry walls. European Journal of Mechanics, A/Solids, 2022, 91, 104387.	2.1	2
47	Optical fiber measurement of local strains in a ribbed bar. Structural Concrete, 2022, 23, 3383-3396.	1.5	2
48	Predicting the circumferential strains on a cylindrical concrete specimen during a pull-out test. Structural Concrete, 2021, 22, 3026-3041.	1.5	1
49	Simulation of buried cylindrical/spherical explosions in a soil medium using the semi-analytical solution of a cavity expansion problem. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 2078-2101.	1.7	1
50	Response and closure to: A comment on "Constant deceleration approach for the penetration analysis of rigid projectiles into concrete targets: Revisited" by D.Z. Yankelevsky and V.R. Feldgun, Int. J. Prot. Struct., pp. 1-18 (2020). International Journal of Protective Structures, 2020, 11, 415-420.	1.4	0