Alen Harapin

List of Publications by Year
in descending order

33 papers	177 citations	1307594 7 h-index	1199594 12 g-index
33 all docs	33 docs citations	33 times ranked	138 citing authors

#	Article	IF	Citations
1	Experimental verification of a newly developed implicit creep model for steel structures exposed to fire. Engineering Structures, 2013, 57, 116-124.	5.3	26
2	Shake table testing of an open rectangular water tank with water sloshing. Journal of Fluids and Structures, 2018, 81, 97-115.	3.4	26
3	Experimental Testing of the Effects of Fine Particles on the Properties of the Self-Compacting Lightweight Concrete. Advances in Materials Science and Engineering, 2012, 2012, 1-8.	1.8	20
4	Impact of vibrations on the final characteristics of normal and self-compacting concrete. Materials Research, 2014, 17, 178-185.	1.3	20
5	Numerical dynamic tests of masonry-infilled RC frames. Engineering Structures, 2013, 50, 43-55.	5.3	18
6	Numerical Model for Static and Dynamic Analysis of Masonry Structures. Advanced Structured Materials, 2012, , 1-33.	0.5	9
7	Stirrup effects on compressive strength and ductility of confined concrete columns. World Journal of Engineering, 2013, 10, 497-506.	1.6	7
8	Modelling of Steel Creep at High Temperatures Using an Implicit Creep Model. Key Engineering Materials, 2013, 553, 13-22.	0.4	6
9	Numerical Model for Crack Width Calculation in Concrete Elements. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2006, 16, 59-65.	0.8	5
10	The null configuration model in limit load analysis of steel space frames. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 417-428.	0.9	5
11	Modelling of the Influence of Creep Strains on the Fire Response of Stationary Heated Steel Members. Journal of Structural Fire Engineering, 2015, 6, 155-176.	0.8	5
12	SPH study of earthquake-generated sloshing in medium size tanks. Gradevinar, 2018, 70, 671-684.	0.2	4
13	Numerical model for composite structures with experimental confirmation. Materialwissenschaft Und Werkstofftechnik, 2008, 39, 143-156.	0.9	3
14	Analysis of the concrete shrinkage effects on the real behavior of the spatial concrete and reinforced concrete structures using the thermal analogy. Engineering Computations, 2019, 37, 1451-1472.	1.4	3
15	WYD method for an eigen solution of coupled problems. International Journal of Multiphysics, 2009, 3, 167-176.	0.1	3
16	Experimental testing of woodâ€concrete and steelâ€concrete composite elements in comparison with numerical testing. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 562-570.	0.9	2
17	Parametric analysis of constant-moment zone length in four point bending of reinforced concrete beams. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 449-457.	0.9	2
18	The effect of flexibility in ground storey of concrete walls and infilled frames on their seismic response. Materialwissenschaft Und Werkstofftechnik, 2014, 45, 244-257.	0.9	2

#	Article	IF	Citations
19	Effect of confined concrete on compressive strength of RC beams. Advances in Concrete Construction, 2013, 1, 215-225.	0.4	2
20	Effect of the Shear Force on the Failure of Spatial Concrete Framework Structures. Key Engineering Materials, 0, 553, 67-80.	0.4	1
21	Effect of horizontal ring beams on the ultimate bearing capacity of masonry walls. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 436-448.	0.9	1
22	The effect of traditional reinforcement â€“ prestressed reinforcement ratio on the behaviour of concrete beams. Materialwissenschaft Und Werkstofftechnik, 2014, 45, 234-243.	0.9	1
23	10.34: Creep properties of grade S275JR steel at high temperature. Ce/Papers, 2017, 1, 2806-2810.	0.3	1
24	Fluid Structure Interaction Analysis of Liquid Tanks by the Coupled SPH - FEM Method with Experimental Verification. Defect and Diffusion Forum, 2019, 391, 152-173.	0.4	1
25	Influence of vertical tie columns on bearing capacity of masonry walls. Gradevinar, 2012, 64, 271-284.	0.2	1
26	The behaviour of structures under fire - numerical model with experimental verification. Steel and Composite Structures, 2013, 15, 247-266.	1.3	1
27	A Case Study on Construction Technology for the Reinforced Concrete Dome of the ViÅ¡njik Sports Hall, Zadar, Croatia. International Review of Civil Engineering, 2018, 9, 131.	0.1	1
28	Model for the Simulation of the Time-Dependent State in RC Elements. Applied Sciences (Switzerland), 2022, 12, 1501.	2.5	1
29	Shear effect on seismic behaviour of masonry walls. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 565-579.	0.9	0
30	Model of Large Displacements in Static Analysis of Shell. Advanced Structured Materials, 2010, , 149-163.	0.5	0
31	GLAVNI PROJEKT TRGOVAÄŒKOG CENTRA â€žPORTANOVAâ€œ U OSIJEKU: BETONSKI DIJELOVI GRAÄEVINE. E-GFOS, 0, , .	0.3	0
32	Numerical Model for Fluidâ€“Structure Coupled Problems Under Seismic Load. Advanced Structured Materials, 2012, , 175-198.	0.5	0
33	The Effect of Vertical Load on Seismic Response of Masonry Walls. Advanced Structured Materials, 2014, , 17-33.	0.5	0