

Paulo J S Cruz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8698672/publications.pdf>

Version: 2024-02-01

39
papers

1,107
citations

471061

17
h-index

395343

33
g-index

39
all docs

39
docs citations

39
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Design for Additive Manufacturing of Mechanical Connections Toward Hybrid Products. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 418-427.	0.5	2
2	Additive manufacturing effect on the mechanical behaviour of architectural stoneware bricks. <i>Construction and Building Materials</i> , 2020, 238, 117690.	3.2	11
3	Surface functionalization of 3D printed structures: Aesthetic and antibiofouling properties. <i>Surface and Coatings Technology</i> , 2020, 386, 125464.	2.2	9
4	CrÃ³nica de uma pandemia. , 2020, , 97-126.		1
5	Connections and joints in buildings: Revisiting the main concepts on building materials life cycleâ€™s circularity. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 225, 012062.	0.2	0
6	Probabilistic-based assessment of existing steel-concrete composite bridges â€™ Application to Sousa River Bridge. <i>Engineering Structures</i> , 2019, 181, 95-110.	2.6	18
7	Life cycle costs. The importance of the users' costs. <i>IABSE Symposium Report</i> , 2019, , .	0.0	0
8	The challenges of adopting BIM for setting and infrastructure management of University of Minho. <i>E3S Web of Conferences</i> , 2018, 48, 02002.	0.2	1
9	Edgar Cardoso: a tribute to a brilliant bridge engineer. <i>Structure and Infrastructure Engineering</i> , 2017, 13, 517-536.	2.0	0
10	An innovative framework for probabilistic-based structural assessment with an application to existing reinforced concrete structures. <i>Engineering Structures</i> , 2016, 111, 552-564.	2.6	27
11	Probabilistic-based assessment of composite steel-concrete structures through an innovative framework. <i>Steel and Composite Structures</i> , 2016, 20, 1345-1368.	1.3	3
12	Connecting through the reinforcement â€™ design, testing and construction of a folded reinforced glass structure. <i>Journal of Facade Design and Engineering</i> , 2014, 2, 109-122.	0.1	3
13	Serviceability assessment of the GÃ³is footbridge using vibration monitoring. <i>Case Studies in Nondestructive Testing and Evaluation</i> , 2014, 2, 71-76.	1.7	16
14	Performance of Transportation Infrastructure. <i>Journal of Performance of Constructed Facilities</i> , 2012, 26, 136-137.	1.0	1
15	Probabilistic models for mechanical properties of concrete, reinforcing steel and pre-stressing steel. <i>Structure and Infrastructure Engineering</i> , 2012, 8, 111-123.	2.0	63
16	Load capacity of damaged RC slab spans of railway-bridges. <i>Archives of Civil and Mechanical Engineering</i> , 2011, 11, 963-978.	1.9	21
17	Experimental evaluation of different strengthening techniques of traditional timber connections. <i>Engineering Structures</i> , 2011, 33, 2259-2270.	2.6	54
18	Structural analysis of two King-post timber trusses: Non-destructive evaluation and load-carrying tests. <i>Construction and Building Materials</i> , 2010, 24, 371-383.	3.2	62

#	ARTICLE	IF	CITATIONS
19	Application of radar techniques to the verification of design plans and the detection of defects in concrete bridges. <i>Structure and Infrastructure Engineering</i> , 2010, 6, 395-407.	2.0	22
20	Experimental analysis on steel and lightweight concrete composite beams. <i>Steel and Composite Structures</i> , 2010, 10, 169-185.	1.3	7
21	Probability-Based Assessment of Existing Concrete Bridges—Stochastic Resistance Models and Applications. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2009, 19, 203-210.	0.5	11
22	Experimental analysis of shear connection between steel and lightweight concrete. <i>Journal of Constructional Steel Research</i> , 2009, 65, 1954-1963.	1.7	46
23	Performance of Vibration-Based Damage Detection Methods in Bridges. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009, 24, 62-79.	6.3	111
24	Experimental analysis of laterally loaded nailed timber-to-concrete connections. <i>Construction and Building Materials</i> , 2009, 23, 400-410.	3.2	44
25	Practical implications of GPR investigation using 3D data reconstruction and transmission tomography. <i>Journal of Building Appraisal</i> , 2007, 3, 59-76.	0.4	24
26	Probabilistic Lifetime-Oriented Multiobjective Optimization of Bridge Maintenance: Single Maintenance Type. <i>Journal of Structural Engineering</i> , 2006, 132, 991-1005.	1.7	76
27	Structural Grades of Timber by Bending and Compression Tests. <i>Materials Science Forum</i> , 2006, 514-516, 1663-1667.	0.3	3
28	Innovative and Contemporary Porto Bridges. <i>Practice Periodical on Structural Design and Construction</i> , 2004, 9, 26-43.	0.7	3
29	Experimental analysis of Perfobond shear connection between steel and lightweight concrete. <i>Journal of Constructional Steel Research</i> , 2004, 60, 465-479.	1.7	113
30	Cost of life extension of deteriorating structures under reliability-based maintenance. <i>Computers and Structures</i> , 2004, 82, 1077-1089.	2.4	28
31	Ave River Bridge - A Major Precast Prestressed Concrete U-Girder Bridge in Portugal. <i>PCI Journal</i> , 2004, 49, 72-86.	0.4	4
32	Fiber Optic Sensors for Bridge Monitoring. <i>Journal of Bridge Engineering</i> , 2003, 8, 362-373.	1.4	163
33	Audacious and Elegant 19th Century Porto Bridges. <i>Practice Periodical on Structural Design and Construction</i> , 2003, 8, 217-225.	0.7	4
34	Deterioration and Structural Performance of Reinforced Concrete Beams. , 2003, , 59.		2
35	Cost of reliability improvement and deterioration delay of maintained structures. , 2003, , 2332-2335.		1
36	Experimental behaviour of end-plate beam-to-column composite joints under monotonical loading. <i>Engineering Structures</i> , 2001, 23, 1383-1409.	2.6	57

#	ARTICLE	IF	CITATIONS
37	Reliability analysis of steel connection components based on FEM. Engineering Failure Analysis, 2001, 8, 29-48.	1.8	9
38	Database for the semi-rigid behaviour of beam-to-column connections in seismic regions. Journal of Constructional Steel Research, 1998, 46, 233-234.	1.7	25
39	Nonlinear Time-Dependent Analysis of Segmentally Constructed Structures. Journal of Structural Engineering, 1998, 124, 278-287.	1.7	62