

Odysseas Kontovourkis

List of Publications by Year in descending order

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14
papers

157
citations

1478505

6
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	Robotic 3D clay printing of prefabricated non-conventional wall components based on a parametric-integrated design. <i>Automation in Construction</i> , 2020, 110, 103005.	9.8	62
2	Robotic additive manufacturing (RAM) with clay using topology optimization principles for toolpath planning: the example of a building element. <i>Architectural Science Review</i> , 2020, 63, 105-118.	2.2	22
3	Integrating Parametric Design with Robotic Additive Manufacturing for 3D Clay Printing: An Experimental Study. , 2018, , .		14
4	Kinetic Hybrid Structure Development and Simulation. <i>International Journal of Architectural Computing</i> , 2012, 10, 67-86.	1.5	11
5	Drivers and Barriers Leading to a Successful Paradigm Shift toward Regenerative Neighborhoods. <i>Sustainability</i> , 2021, 13, 5179.	3.2	11
6	Digital to physical development of a reconfigurable modular formwork for concrete casting and assembling of a shell structure. <i>Automation in Construction</i> , 2019, 106, 102855.	9.8	7
7	Prototyping of an Adaptive Structure based on Physical Conditions. <i>International Journal of Architectural Computing</i> , 2013, 11, 205-225.	1.5	6
8	Environmental and cost assessment of customized modular wall components production based on an adaptive formwork casting mechanism: An experimental study. <i>Journal of Cleaner Production</i> , 2021, 286, 125380.	9.3	6
9	Design concept of a kinetic form-active hybrid envelope structure. <i>International Journal of Design and Nature and Ecodynamics</i> , 2014, 9, 13-30.	0.5	6
10	Design of circulation diagrams in macro-scale level based on human movement behavior modeling. <i>Automation in Construction</i> , 2012, 22, 12-23.	9.8	5
11	Adaptive kinetic structural behavior through machine learning: Optimizing the process of kinematic transformation using artificial neural networks. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2015, 29, 371-391.	1.1	4
12	Multi-axis 3D printing of material reduced shell structures on a reconfigurable supporting system using topology optimization principles. <i>Procedia Manufacturing</i> , 2020, 44, 379-386.	1.9	2
13	Design optimization and robotic fabrication of tensile mesh structures: The development and simulation of a custom-made end-effector tool. <i>International Journal of Architectural Computing</i> , 2016, 14, 333-348.	1.5	1
14	3D Printing Technology Within a Regenerative Construction Framework. <i>Future City</i> , 2021, , 245-261.	0.5	0