

Rongrong Yu

List of Publications by Year in descending order

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33
papers

401
citations

840119

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794141

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all docs

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33
times ranked

231
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of BIM and Immersive Technologies for AEC: A Scientometric-SWOT Analysis and Critical Content Review. <i>Buildings</i> , 2021, 11, 126.	1.4	58
2	Exploring impact of future flexible working model evolution on urban environment, economy and planning. <i>Journal of Urban Management</i> , 2019, 8, 447-457.	2.3	48
3	An evaluation of feed-in tariffs for promoting household solar energy adoption in Southeast Queensland, Australia. <i>Sustainable Cities and Society</i> , 2020, 53, 101942.	5.1	43
4	Empirical support for problemâ€“solution coevolution in a parametric design environment. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2015, 29, 33-44.	0.7	25
5	The impact of COVID-19 on higher education building energy use and implications for future education building energy studies. <i>Energy and Buildings</i> , 2021, 251, 111346.	3.1	23
6	Drivers towards Adopting Modular Integrated Construction for Affordable Sustainable Housing: A Total Interpretive Structural Modelling (TISM) Method. <i>Buildings</i> , 2022, 12, 637.	1.4	20
7	Parametrically Generating New Instances of Traditional Chinese Private Gardens that Replicate Selected Socio-Spatial and Aesthetic Properties. <i>Nexus Network Journal</i> , 2015, 17, 807-829.	0.5	19
8	The mathematics of spatial transparency and mystery: using syntactical data to visualise and analyse the properties of the Yuyuan Garden. <i>Visualization in Engineering</i> , 2016, 4, .	8.8	16
9	Exploring the spatial pattern of historic Chinese towns and cities: A syntactical approach. <i>Frontiers of Architectural Research</i> , 2021, 10, 598-613.	1.3	14
10	Comparing Designersâ€™ Problem-Solving Behavior in a Parametric Design Environment and a Geometric Modeling Environment. <i>Buildings</i> , 2013, 3, 621-638.	1.4	13
11	Architects' Cognitive Behaviour in Parametric Design. <i>International Journal of Architectural Computing</i> , 2015, 13, 83-101.	0.9	13
12	Towards greener airports: Development of an assessment framework by leveraging sustainability reports and rating tools. <i>Environmental Impact Assessment Review</i> , 2022, 93, 106740.	4.4	13
13	An empirical basis for the use of design patterns by architects in parametric design. <i>International Journal of Architectural Computing</i> , 2016, 14, 289-302.	0.9	11
14	Evaluating the effectiveness of online teaching in architecture courses. <i>Architectural Science Review</i> , 2022, 65, 89-100.	1.1	11
15	The effect of design education on creative design cognition of high school students. <i>International Journal of Design Creativity and Innovation</i> , 2019, 7, 196-212.	0.8	9
16	Comparing Designers' Behavior in Responding to Unexpected Discoveries in Parametric Design Environments and Geometry Modeling Environments. <i>International Journal of Architectural Computing</i> , 2013, 11, 393-414.	0.9	8
17	Spatio-visual experience of movement through the Yuyuan Garden: A computational analysis based on isovists and visibility graphs. <i>Frontiers of Architectural Research</i> , 2018, 7, 497-509.	1.3	7
18	Visitors' wayfinding strategies and navigational aids in unfamiliar urban environment. <i>Tourism Geographies</i> , 2020, 22, 832-847.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Evaluating creativity in parametric design environments and geometric modelling environments. <i>Architectural Science Review</i> , 2018, 61, 443-453.	1.1	5
20	Application of the Semantic Network Method to Sightline Compensation Analysis of the Humble Administrator's Garden. <i>Nexus Network Journal</i> , 2021, 23, 209-225.	0.5	5
21	Impact of Using Rule Algorithms on Designers' Behavior in a Parametric Design Environment: Preliminary Result from a Pilot Study. <i>Communications in Computer and Information Science</i> , 2013, , 13-22.	0.4	5
22	Measuring the Effect of Tangible Interaction on Design Cognition. <i>Lecture Notes in Computer Science</i> , 2016, , 348-360.	1.0	4
23	Mathematically defining and parametrically generating Traditional Chinese Private Gardens of the Suzhou Region and Style. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2018, 45, 44-66.	1.0	4
24	Parametric Design: Theoretical Development and Algorithmic Foundation for Design Generation in Architecture. , 2021, , 1361-1383.		4
25	Characterizing Tangible Interaction During a Creative Combination Task. , 2017, , 39-58.		4
26	Design Patterns from Empirical Studies in Computer-Aided Design. <i>Communications in Computer and Information Science</i> , 2015, , 493-506.	0.4	3
27	Exploring Designers' Cognitive Load When Viewing Different Digital Representations of Spaces: A Pilot Study. <i>Smart Innovation, Systems and Technologies</i> , 2017, , 457-467.	0.5	3
28	An Ontology for Analysing Cognition in Geometric and Parametric Design Platforms: A Review. , 2014, , .		2
29	Comparing Architects' Perceptions of the Usefulness of Digital Design Environments with their Aspirations for Sustainable Design in Australia. <i>Journal of Sustainable Architecture and Civil Engineering</i> , 2021, 29, 5-20.	0.3	2
30	Unpacking the Cultural DNA of Traditional Chinese Private Gardens Through Mathematical Measurement and Parametric Design. <i>KAIST Research Series</i> , 2017, , 59-75.	1.5	1
31	Parametric Design: Theoretical Development and Algorithmic Foundation for Design Generation in Architecture. , 2018, , 1-22.		1
32	Evaluating the veridicality of two-dimensional representations of three-dimensional architectural space through physiological response. , 2017, , .		0
33	The effect of digital design representation on designers' visual attention. , 0, , .		0