Rongrong Yu

List of Publications by Year
in descending order

33 papers	**401** citations	840776 **11** h-index	794594 **19** g-index
33 all docs	**33** docs citations	**33** times ranked	**231** citing authors

#	Article	IF	Citations
1	Evaluating the effectiveness of online teaching in architecture courses. Architectural Science Review, 2022, 65, 89-100.	2.2	11
2	Towards greener airports: Development of an assessment framework by leveraging sustainability reports and rating tools. Environmental Impact Assessment Review, 2022, 93, 106740.	9.2	13
3	Drivers towards Adopting Modular Integrated Construction for Affordable Sustainable Housing: A Total Interpretive Structural Modelling (TISM) Method. Buildings, 2022, 12, 637.	3.1	20
4	Application of the Semantic Network Method to Sightline Compensation Analysis of the Humble Administrator's Garden. Nexus Network Journal, 2021, 23, 209-225.	0.7	5
5	Parametric Design: Theoretical Development and Algorithmic Foundation for Design Generation in Architecture. , 2021, , 1361-1383.		4
6	Integration of BIM and Immersive Technologies for AEC: A Scientometric-SWOT Analysis and Critical Content Review. Buildings, 2021, 11, 126.	3.1	58
7	Exploring the spatial pattern of historic Chinese towns and cities: A syntactical approach. Frontiers of Architectural Research, 2021, 10, 598-613.	2.8	14
8	The impact of COVID-19 on higher education building energy use and implications for future education building energy studies. Energy and Buildings, 2021, 251, 111346.	6.7	23
9	Comparing Architects' Perceptions of the Usefulness of Digital Design Environments with their Aspirations for Sustainable Design in Australia. Journal of Sustainable Architecture and Civil Engineering, 2021, 29, 5-20.	0.5	2
10	An evaluation of feed-in tariffs for promoting household solar energy adoption in Southeast Queensland, Australia. Sustainable Cities and Society, 2020, 53, 101942.	10.4	43
11	Visitors' wayfinding strategies and navigational aids in unfamiliar urban environment. Tourism Geographies, 2020, 22, 832-847.	4.0	7
12	The effect of design education on creative design cognition of high school students. International Journal of Design Creativity and Innovation, 2019, 7, 196-212.	1.2	9
13	Exploring impact of future flexible working model evolution on urban environment, economy and planning. Journal of Urban Management, 2019, 8, 447-457.	4.5	48
14	Mathematically defining and parametrically generating Traditional Chinese Private Gardens of the Suzhou Region and Style. Environment and Planning B: Urban Analytics and City Science, 2018, 45, 44-66.	2.0	4
15	Spatio-visual experience of movement through the Yuyuan Garden: A computational analysis based on isovists and visibility graphs. Frontiers of Architectural Research, 2018, 7, 497-509.	2.8	7
16	Evaluating creativity in parametric design environments and geometric modelling environments. Architectural Science Review, 2018, 61, 443-453.	2.2	5
17	Parametric Design: Theoretical Development and Algorithmic Foundation for Design Generation in Architecture. , 2018, , 1-22.		1
18	Unpacking the Cultural DNA of Traditional Chinese Private Gardens Through Mathematical Measurement and Parametric Design. KAIST Research Series, 2017, , 59-75.	1.5	1

#	Article	IF	Citations
19	Characterizing Tangible Interaction During a Creative Combination Task. , 2017, , 39-58.		4
20	Exploring Designersâ€™ Cognitive Load When Viewing Different Digital Representations of Spaces: A Pilot Study. Smart Innovation, Systems and Technologies, 2017, , 457-467.	0.6	3
21	Evaluating the veridicality of two-dimensional representations of three-dimensional architectural space through physiological response. , 2017, , .		0
22	Measuring the Effect of Tangible Interaction on Design Cognition. Lecture Notes in Computer Science, 2016, , 348-360.	1.3	4
23	An empirical basis for the use of design patterns by architects in parametric design. International Journal of Architectural Computing, 2016, 14, 289-302.	1.5	11
24	The mathematics of spatial transparency and mystery: using syntactical data to visualise and analyse the properties of the Yuyuan Garden. Visualization in Engineering, 2016, 4, .	8.8	16
25	Architects' Cognitive Behaviour in Parametric Design. International Journal of Architectural Computing, 2015, 13, 83-101.	1.5	13
26	Empirical support for problemâ€"solution coevolution in a parametric design environment. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2015, 29, 33-44.	1.1	25
27	Parametrically Generating New Instances of Traditional Chinese Private Gardens that Replicate Selected Socio-Spatial and Aesthetic Properties. Nexus Network Journal, 2015, 17, 807-829.	0.7	19
28	Design Patterns from Empirical Studies in Computer-Aided Design. Communications in Computer and Information Science, 2015, , 493-506.	0.5	3
29	An Ontology for Analysing Cognition in Geometric and Parametric Design Platforms: A Review. , 2014, , .		2
30	Comparing Designers' Behavior in Responding to Unexpected Discoveries in Parametric Design Environments and Geometry Modeling Environments. International Journal of Architectural Computing, 2013, 11, 393-414.	1.5	8
31	Comparing Designersâ€™ Problem-Solving Behavior in a Parametric Design Environment and a Geometric Modeling Environment. Buildings, 2013, 3, 621-638.	3.1	13
32	Impact of Using Rule Algorithms on Designersâ€™ Behavior in a Parametric Design Environment: Preliminary Result from a Pilot Study. Communications in Computer and Information Science, 2013, , 13-22.	0.5	5
33	The effect of digital design representation on designersâ€™ visual attention. , 0, , .		0