

Yasha Jacob Grobman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

293

citations

10

h-index

16

g-index

27

ext. papers

403

ext. citations

3.6

avg, IF

4.05

L-index

#	Paper	IF	Citations
26	Mycelium bio-composites in industrial design and architecture: Comparative review and experimental analysis. <i>Journal of Cleaner Production</i> , 2020 , 246, 119037	10.3	45
25	Affective response to architecture – Investigating human reaction to spaces with different geometry. <i>Architectural Science Review</i> , 2017 , 60, 116-125	2.6	38
24	Experimental study of a round jet impinging on a flat surface: Flow field and vortex characteristics in the wall jet. <i>International Journal of Heat and Fluid Flow</i> , 2018 , 70, 41-58	2.4	26
23	Topological interlocking in buildings: A case for the design and construction of floors. <i>Automation in Construction</i> , 2016 , 72, 18-25	9.6	25
22	External shading in buildings: comparative analysis of daylighting performance in static and kinetic operation scenarios. <i>Architectural Science Review</i> , 2017 , 60, 126-136	2.6	23
21	Topological interlocking in architecture: A new design method and computational tool for designing building floors. <i>International Journal of Architectural Computing</i> , 2017 , 15, 107-118	0.8	18
20	Implementing bio-design tools to develop mycelium-based products. <i>Design Journal</i> , 2019 , 22, 1647-1657	0.6	14
19	Microclimate on building envelopes: testing geometry manipulations as an approach for increasing building envelopes' thermal performance. <i>Architectural Science Review</i> , 2016 , 59, 269-278	2.6	13
18	Rationalization methods in computer aided fabrication: A critical review. <i>Automation in Construction</i> , 2018 , 90, 281-293	9.6	13
17	Biofabrication of Nanocellulose-Mycelium Hybrid Materials. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000196	0.6	11
16	The blue garden: coastal infrastructure as ecologically enhanced wave-scapes. <i>Landscape Research</i> , 2017 , 42, 439-454	1.4	9
15	Non-Linear Architectural Design Process. <i>International Journal of Architectural Computing</i> , 2010 , 8, 41-53	0.8	9
14	Outer shear layer characteristics of a radially expanding wall jet on smooth and dimpled surfaces. <i>International Journal of Heat and Fluid Flow</i> , 2018 , 72, 304-316	2.4	8
13	Design and fabrication with fibre-reinforced polymers in architecture: a case for complex geometry. <i>Architectural Science Review</i> , 2016 , 59, 257-268	2.6	6
12	Axisymmetric jet impingement on a dimpled surface: Effect of impingement location on flow field characteristics. <i>International Journal of Heat and Fluid Flow</i> , 2018 , 74, 53-64	2.4	6
11	Thermal performance of sculptured tiles for building envelopes. <i>Building and Environment</i> , 2021 , 197, 107809	6.5	5
10	The effect of block geometry on structural behavior of topological interlocking assemblies. <i>Automation in Construction</i> , 2021 , 128, 103717	9.6	5

9	A neurocognitive study of the emotional impact of geometrical criteria of architectural space. <i>Architectural Science Review</i> , 2021 , 64, 394-407	2.6	4
8	Evaluating the Influence of Varied External Shading Elements on Internal Daylight Illuminances. <i>Buildings</i> , 2020 , 10, 22	3.2	3
7	Autonomous Movement of Kinetic Cladding Components in Building Facades. <i>Lecture Notes in Mechanical Engineering</i> , 2013 , 1051-1061	0.4	3
6	The titanium 3D-printed flute: New prospects of additive manufacturing for musical wind instruments design. <i>Journal of New Music Research</i> , 2021 , 50, 1-17	1.1	3
5	Towards sustainability evaluation of urban landscapes using big data: a case study of Israel's architecture, engineering and construction industry. <i>Landscape Research</i> , 1-19	1.4	3
4	A multifunctional computational approach to waterfront design. <i>Architectural Science Review</i> , 2017 , 60, 446-459	2.6	2
3	Evidence-Based Design in Architectural Education: Designing the First Maggie's Centre in Israel. <i>Herd</i> , 2021 , 14, 114-129	2.4	0
2	The emotional influence of different geometries in virtual spaces: A neurocognitive examination. <i>Journal of Environmental Psychology</i> , 2022 , 101802	6.7	0
1	Life-Cycle Assessment of Sculptured Tiles for Building Envelopes in Mediterranean Climate. <i>Buildings</i> , 2022 , 12, 165	3.2	