

Yasha Jacob Grobman

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

552
citations

758635

12
h-index

642321

23
g-index

27
all docs

27
docs citations

27
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycelium bio-composites in industrial design and architecture: Comparative review and experimental analysis. <i>Journal of Cleaner Production</i> , 2020, 246, 119037.	4.6	111
2	Affective response to architecture – investigating human reaction to spaces with different geometry. <i>Architectural Science Review</i> , 2017, 60, 116-125.	1.1	68
3	Rationalization methods in computer aided fabrication: A critical review. <i>Automation in Construction</i> , 2018, 90, 281-293.	4.8	40
4	External shading in buildings: comparative analysis of daylighting performance in static and kinetic operation scenarios. <i>Architectural Science Review</i> , 2017, 60, 126-136.	1.1	38
5	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.	1.1	36
6	Topological interlocking in buildings: A case for the design and construction of floors. <i>Automation in Construction</i> , 2016, 72, 18-25.	4.8	29
7	Biofabrication of Nanocellulose – Mycelium Hybrid Materials. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000196.	2.7	24
8	A neurocognitive study of the emotional impact of geometrical criteria of architectural space. <i>Architectural Science Review</i> , 2021, 64, 394-407.	1.1	21
9	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.	0.9	20
10	Implementing bio-design tools to develop mycelium-based products. <i>Design Journal</i> , 2019, 22, 1647-1657.	0.5	19
11	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.	1.1	16
12	Thermal performance of sculptured tiles for building envelopes. <i>Building and Environment</i> , 2021, 197, 107809.	3.0	15
13	Non-Linear Architectural Design Process. <i>International Journal of Architectural Computing</i> , 2010, 8, 41-53.	0.9	12
14	The blue garden: coastal infrastructure as ecologically enhanced wave-scapes. <i>Landscape Research</i> , 2017, 42, 439-454.	0.7	12
15	Towards sustainability evaluation of urban landscapes using big data: a case study of Israel's architecture, engineering and construction industry. <i>Landscape Research</i> , 2022, 47, 49-67.	0.7	12
16	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.	1.1	11
17	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.	1.1	11
18	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.	0.6	11

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19	The effect of block geometry on structural behavior of topological interlocking assemblies. <i>Automation in Construction</i> , 2021, 128, 103717.	4.8	11
20	Evaluating the Influence of Varied External Shading Elements on Internal Daylight Illuminances. <i>Buildings</i> , 2020, 10, 22.	1.4	8
21	The emotional influence of different geometries in virtual spaces: A neurocognitive examination. <i>Journal of Environmental Psychology</i> , 2022, 81, 101802.	2.3	8
22	Design and fabrication with fibre-reinforced polymers in architecture: a case for complex geometry. <i>Architectural Science Review</i> , 2016, 59, 257-268.	1.1	7
23	A multifunctional computational approach to waterfront design. <i>Architectural Science Review</i> , 2017, 60, 446-459.	1.1	3
24	Evidence-Based Design in Architectural Education: Designing the First Maggieâ€™s Centre in Israel. <i>Herd</i> , 2021, 14, 114-129.	0.9	3
25	Life-Cycle Assessment of Sculptured Tiles for Building Envelopes in Mediterranean Climate. <i>Buildings</i> , 2022, 12, 165.	1.4	1