Yasha Jacob Grobman

List of Publications by Year in Descending Order

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	Life-Cycle Assessment of Sculptured Tiles for Building Envelopes in Mediterranean Climate. *Buildings*, **2022**, 12, 165	3.2	
25	The emotional influence of different geometries in virtual spaces: A neurocognitive examination. *Journal of Environmental Psychology*, **2022**, 101802	6.7	0
24	Evidence-Based Design in Architectural Education: Designing the First Maggie's Centre in Israel. *Herd*, **2021**, 14, 114-129	2.4	0
23	Thermal performance of sculptured tiles for building envelopes. *Building and Environment*, **2021**, 197, 107809	6.5	5
22	A neurocognitive study of the emotional impact of geometrical criteria of architectural space. *Architectural Science Review*, **2021**, 64, 394-407	2.6	4
21	The titanium 3D-printed flute: New prospects of additive manufacturing for musical wind instruments design. *Journal of New Music Research*, **2021**, 50, 1-17	1.1	3
20	Biofabrication of Nanocellulose/Mycelium Hybrid Materials. *Advanced Sustainable Systems*, **2021**, 5, 2000196	5.6	11
19	The effect of block geometry on structural behavior of topological interlocking assemblies. *Automation in Construction*, **2021**, 128, 103717	9.6	5
18	Evaluating the Influence of Varied External Shading Elements on Internal Daylight Illuminances. *Buildings*, **2020**, 10, 22	3.2	3
17	Mycelium bio-composites in industrial design and architecture: Comparative review and experimental analysis. *Journal of Cleaner Production*, **2020**, 246, 119037	10.3	45
16	Implementing bio-design tools to develop mycelium-based products. *Design Journal*, **2019**, 22, 1647-1657	0.6	14
15	Experimental study of a round jet impinging on a flat surface: Flow field and vortex characteristics in the wall jet. *International Journal of Heat and Fluid Flow*, **2018**, 70, 41-58	2.4	26
14	Rationalization methods in computer aided fabrication: A critical review. *Automation in Construction* , **2018**, 90, 281-293	9.6	13
13	Outer shear layer characteristics of a radially expanding wall jet on smooth and dimpled surfaces. *International Journal of Heat and Fluid Flow*, **2018**, 72, 304-316	2.4	8
12	Axisymmetric jet impingement on a dimpled surface: Effect of impingement location on flow field characteristics. *International Journal of Heat and Fluid Flow*, **2018**, 74, 53-64	2.4	6
11	The blue garden: coastal infrastructure as ecologically enhanced wave-scapes. *Landscape Research*, **2017**, 42, 439-454	1.4	9
10	Affective response to architecture – investigating human reaction to spaces with different geometry. *Architectural Science Review*, **2017**, 60, 116-125	2.6	38

9	External shading in buildings: comparative analysis of daylighting performance in static and kinetic operation scenarios. *Architectural Science Review*, **2017**, 60, 126-136	2.6	23
8	Topological interlocking in architecture: A new design method and computational tool for designing building floors. *International Journal of Architectural Computing*, **2017**, 15, 107-118	0.8	18
7	A multifunctional computational approach to waterfront design. *Architectural Science Review*, **2017**, 60, 446-459	2.6	2
6	Microclimate on building envelopes: testing geometry manipulations as an approach for increasing building envelopes' thermal performance. *Architectural Science Review*, **2016**, 59, 269-278	2.6	13
5	Design and fabrication with fibre-reinforced polymers in architecture: a case for complex geometry. *Architectural Science Review*, **2016**, 59, 257-268	2.6	6
4	Topological interlocking in buildings: A case for the design and construction of floors. *Automation in Construction*, **2016**, 72, 18-25	9.6	25
3	Autonomous Movement of Kinetic Cladding Components in Building Facades. *Lecture Notes in Mechanical Engineering*, **2013**, 1051-1061	0.4	3
2	Non-Linear Architectural Design Process. *International Journal of Architectural Computing*, **2010**, 8, 41-53	0.8	9
1	Towards sustainability evaluation of urban landscapes using big data: a case study of Israel architecture, engineering and construction industry. *Landscape Research*,1-19	1.4	3