

# Ben Bridgens

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6922491/publications.pdf>

Version: 2024-02-01

23  
papers

961  
citations

516215

16  
h-index

676716

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clay 3D printing as a bio-design research tool: development of photosynthetic living building components. <i>Architectural Science Review</i> , 2022, 65, 185-195.	1.1	3
2	Material change: transforming experience. , 2021, , 89-102.		0
3	Bacterial Spore-Based Hygromorphs: A Novel Active Material with Potential for Architectural Applications. <i>Sustainability</i> , 2021, 13, 4030.	1.6	7
4	Photosynthetic textile biocomposites: Using laboratory testing and digital fabrication to develop flexible living building materials. <i>Science and Engineering of Composite Materials</i> , 2021, 28, 223-236.	0.6	7
5	Skin deep. Perceptions of human and material ageing and opportunities for design. <i>Design Journal</i> , 2019, 22, 2251-2255.	0.5	5
6	Ageing (dis)gracefully: Enabling designers to understand material change. <i>Journal of Cleaner Production</i> , 2019, 220, 417-430.	4.6	18
7	Closing the Loop on E-waste: A Multidisciplinary Perspective. <i>Journal of Industrial Ecology</i> , 2019, 23, 169-181.	2.8	39
8	Creative upcycling: Reconnecting people, materials and place through making. <i>Journal of Cleaner Production</i> , 2018, 189, 145-154.	4.6	92
9	A Bayesian approach to modelling the impact of hydrodynamic shear stress on biofilm deformation. <i>PLoS ONE</i> , 2018, 13, e0195484.	1.1	11
10	Sustainable Materialisation of Responsive Architecture. <i>Sustainability</i> , 2017, 9, 435.	1.6	54
11	Extracellular Polymeric Substance Production and Aggregated Bacteria Colonization Influence the Competition of Microbes in Biofilms. <i>Frontiers in Microbiology</i> , 2017, 8, 1865.	1.5	63
12	Design for Next Year. The Challenge of Designing for Material Change. <i>Design Journal</i> , 2017, 20, S160-S171.	0.5	3
13	A mechanistic Individual-based Model of microbial communities. <i>PLoS ONE</i> , 2017, 12, e0181965.	1.1	69
14	Cosmetic obsolescence? User perceptions of new and artificially aged materials. <i>Materials and Design</i> , 2016, 101, 355-365.	3.3	27
15	Influence of surface roughness on the initial formation of biofilm. <i>Surface and Coatings Technology</i> , 2015, 284, 410-416.	2.2	92
16	Hygromorphic materials for sustainable responsive architecture. <i>Construction and Building Materials</i> , 2015, 98, 570-582.	3.2	108
17	Shear behaviour of architectural fabrics subjected to biaxial tensile loads. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 66, 163-174.	3.8	51
18	Adoption of a reliability approach for membrane structure analysis. <i>Structural Safety</i> , 2013, 40, 39-50.	2.8	38

#	ARTICLE	IF	CITATIONS
19	Analysis and design of membrane structures: Results of a round robin exercise. <i>Engineering Structures</i> , 2013, 48, 313-328.	2.6	63
20	Form and function: The significance of material properties in the design of tensile fabric structures. <i>Engineering Structures</i> , 2012, 44, 1-12.	2.6	78
21	Inter-laboratory comparison of biaxial tests for architectural textiles. <i>Journal of the Textile Institute</i> , 2012, 103, 706-718.	1.0	38
22	Material Testing & Computational Mechanics – A New Philosophy for Architectural Fabrics. <i>International Journal of Space Structures</i> , 2008, 23, 215-232.	0.3	21
23	Direct stress-strain representation for coated woven fabrics. <i>Computers and Structures</i> , 2004, 82, 1913-1927.	2.4	74