# Ben Bridgens

List of Publications by Year
in descending order



| 23 | 961 | 516710 16 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 976 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Clay 3D printing as a bio-design research tool: development of photosynthetic living building components. Architectural Science Review, 2022, 65, 185-195. | 2.2 | 3 |
| 2 | Material change: transforming experience. , 2021, , 89-102. | | 0 |
| 3 | Bacterial Spore-Based Hygromorphs: A Novel Active Material with Potential for Architectural Applications. Sustainability, 2021, 13, 4030. | 3.2 | 7 |
| 4 | Photosynthetic textile biocomposites: Using laboratory testing and digital fabrication to develop flexible living building materials. Science and Engineering of Composite Materials, 2021, 28, 223-236. | 1.4 | 7 |
| 5 | Skin deep. Perceptions of human and material ageing and opportunities for design. Design Journal, 2019, 22, 2251-2255. | 0.8 | 5 |
| 6 | Ageing (dis)gracefully: Enabling designers to understand material change. Journal of Cleaner Production, 2019, 220, 417-430. | 9.3 | 18 |
| 7 | Closing the Loop on Eâ€waste: A Multidisciplinary Perspective. Journal of Industrial Ecology, 2019, 23, 169-181. | 5.5 | 39 |
| 8 | Creative upcycling: Reconnecting people, materials and place through making. Journal of Cleaner Production, 2018, 189, 145-154. | 9.3 | 92 |
| 9 | A Bayesian approach to modelling the impact of hydrodynamic shear stress on biofilm deformation. PLoS ONE, 2018, 13, e0195484. | 2.5 | 11 |
| 10 | Sustainable Materialisation of Responsive Architecture. Sustainability, 2017, 9, 435. | 3.2 | 54 |
| 11 | Extracellular Polymeric Substance Production and Aggregated Bacteria Colonization Influence the Competition of Microbes in Biofilms. Frontiers in Microbiology, 2017, 8, 1865. | 3.5 | 63 |
| 12 | Design for Nextâ€¦ Year. The Challenge of Designing for Material Change. Design Journal, 2017, 20, S160-S171. | 0.8 | 3 |
| 13 | A mechanistic Individual-based Model of microbial communities. PLoS ONE, 2017, 12, e0181965. | 2.5 | 69 |
| 14 | Cosmetic obsolescence? User perceptions of new and artificially aged materials. Materials and Design, 2016, 101, 355-365. | 7.0 | 27 |
| 15 | Influence of surface roughness on the initial formation of biofilm. Surface and Coatings Technology, 2015, 284, 410-416. | 4.8 | 92 |
| 16 | Hygromorphic materials for sustainable responsive architecture. Construction and Building Materials, 2015, 98, 570-582. | 7.2 | 108 |
| 17 | Shear behaviour of architectural fabrics subjected to biaxial tensile loads. Composites Part A: Applied Science and Manufacturing, 2014, 66, 163-174. | 7.6 | 51 |
| 18 | Adoption of a reliability approach for membrane structure analysis. Structural Safety, 2013, 40, 39-50. | 5.3 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Analysis and design of membrane structures: Results of a round robin exercise. Engineering Structures, 2013, 48, 313-328. | 5.3 | 63 |
| 20 | Form and function: The significance of material properties in the design of tensile fabric structures. Engineering Structures, 2012, 44, 1-12. | 5.3 | 78 |
| 21 | Inter-laboratory comparison of biaxial tests for architectural textiles. Journal of the Textile Institute, 2012, 103, 706-718. | 1.9 | 38 |
| 22 | Material Testing & Computational Mechanics â€" A New Philosophy for Architectural Fabrics. International Journal of Space Structures, 2008, 23, 215-232. | 1.0 | 21 |
| 23 | Direct stressâ€"strain representation for coated woven fabrics. Computers and Structures, 2004, 82, 1913-1927. | 4.4 | 74 |