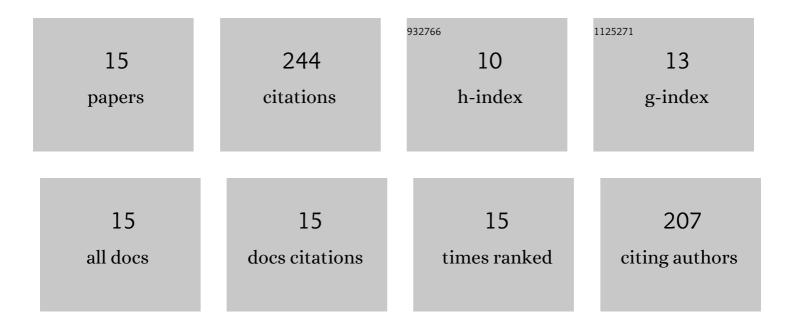
## Hanaa Dahy

List of Publications by Year in descending order

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ΗΛΝΛΛ ΠΛΗΥ

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Biocomposite materials based on annual natural fibres and biopolymers – Design, fabrication and customized applications in architecture. Construction and Building Materials, 2017, 147, 212-220.   | 3.2 | 53        |
| 2  | Natural Fibre-Reinforced Polymer Composites (NFRP) Fabricated from Lignocellulosic Fibres for<br>Future Sustainable Architectural Applications, Case Studies: Segmented-Shell Construction, Acoustic<br>Panels, and Furniture. Sensors, 2019, 19, 738.  | 2.1 | 51        |
| 3  | Bio-Inspired Sustainability Assessment for Building Product Development—Concept and Case Study.<br>Sustainability, 2018, 10, 130.   | 1.6 | 29        |
| 4  | Biomimicry as a Sustainable Design Methodology—Introducing the â€~Biomimicry for Sustainability'<br>Framework. Biomimetics, 2022, 7, 37.  | 1.5 | 20        |
| 5  | Structural Optimization through Biomimetic-Inspired Material-Specific Application of Plant-Based<br>Natural Fiber-Reinforced Polymer Composites (NFRP) for Future Sustainable Lightweight Architecture.<br>Polymers, 2020, 12, 3048.  | 2.0 | 18        |
| 6  | Efficient Fabrication of Sustainable Building Products from Annually Generated Non-wood Cellulosic<br>Fibres and Bioplastics with Improved Flammability Resistance. Waste and Biomass Valorization, 2019, 10,<br>1167-1175.   | 1.8 | 15        |
| 7  | â€~Materials as a Design Tool' Design Philosophy Applied in Three Innovative Research Pavilions Out of<br>Sustainable Building Materials with Controlled End-Of-Life Scenarios. Buildings, 2019, 9, 64.   | 1.4 | 14        |
| 8  | Curved Foldable Tailored Fiber Reinforcements for Moldless Customized Bio-Composite Structures.<br>Proof of Concept: Biomimetic NFRP Stools. Polymers, 2020, 12, 2000.  | 2.0 | 14        |
| 9  | FlexFlax Stool: Validation of Moldless Fabrication of Complex Spatial Forms of Natural<br>Fiber-Reinforced Polymer (NFRP) Structures through an Integrative Approach of Tailored Fiber<br>Placement and Coreless Filament Winding Techniques. Applied Sciences (Switzerland), 2020, 10, 3278. | 1.3 | 14        |
| 10 | Mycomerge: Fabrication of Mycelium-Based Natural Fiber Reinforced Composites on a Rattan Framework. Biomimetics, 2022, 7, 42.   | 1.5 | 10        |
| 11 | Tailored Lace: Moldless Fabrication of 3D Bio-Composite Structures through an Integrative Design and Fabrication Process. Applied Sciences (Switzerland), 2021, 11, 10989.  | 1.3 | 4         |
| 12 | Influence of the 3 Rs on Modern Approaches in Sustainable Architecture. International Journal of Environmental Sustainability, 2013, 8, 43-53.  | 0.1 | 1         |
| 13 | Geometric quality control for bio-based building elements: Study case segmented experimental shell.<br>Journal of Applied Geodesy, 2022, .  | 0.6 | 1         |
| 14 | Towards Sustainable Buildings with Free-Form Geometries: Development and Application of Flexible NFRP in Load-Bearing Structures. Composites Science and Technology, 2021, , 31-43.   | 0.4 | 0         |
| 15 | Design studies and applications of mycelium biocomposites in architecture. , 2022, , 489-527.   |     | Ο         |