

# Josephine V Carstensen

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Topology-optimized bulk metallic glass cellular materials for energy absorption. Scripta Materialia, 2022, 208, 114361.	5.2	12
2	Truss topology optimization of timber-steel structures for reduced embodied carbon design. Engineering Structures, 2022, 252, 113540.	5.3	14
3	Topology optimization of rigid interlocking assemblies. Computers and Structures, 2021, 250, 106521.	4.4	4
4	Topology optimization with nozzle size restrictions for material extrusion-type additive manufacturing. Structural and Multidisciplinary Optimization, 2020, 62, 2481-2497.	3.5	19
5	Experimental Investigation of Topology-Optimized Deep Reinforced Concrete Beams with Reduced Concrete Volume. RILEM Bookseries, 2020, , 601-611.	0.4	6
6	Experimental investigation of strut-and-tie layouts in deep RC beams designed with hybrid bi-linear topology optimization. Engineering Structures, 2019, 197, 109322.	5.3	31
7	Topology-optimized design, construction and experimental evaluation of concrete beams. Automation in Construction, 2019, 102, 59-67.	9.8	51
8	Projection-based two-phase minimum and maximum length scale control in topology optimization. Structural and Multidisciplinary Optimization, 2018, 58, 1845-1860.	3.5	56
9	3D metallic glass cellular structures. Acta Materialia, 2016, 105, 35-43.	7.9	69
10	Topology Optimization for Cellular Material Design. Materials Research Society Symposia Proceedings, 2014, 1662, 1.	0.1	2