

# Tomas Zegard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/131263/publications.pdf>

Version: 2024-02-01

10  
papers

670  
citations

1039880

9  
h-index

1372474

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridging topology optimization and additive manufacturing. Structural and Multidisciplinary Optimization, 2016, 53, 175-192.	1.7	334
2	GRAND " Ground structure based topology optimization for arbitrary 2D domains using MATLAB. Structural and Multidisciplinary Optimization, 2014, 50, 861-882.	1.7	98
3	GRAND3 " Ground structure based topology optimization for arbitrary 3D domains using MATLAB. Structural and Multidisciplinary Optimization, 2015, 52, 1161-1184.	1.7	92
4	Toward GPU accelerated topology optimization on unstructured meshes. Structural and Multidisciplinary Optimization, 2013, 48, 473-485.	1.7	41
5	Unraveling tensegrity tessellations for metamaterials with tunable stiffness and bandgaps. Journal of the Mechanics and Physics of Solids, 2019, 131, 147-166.	2.3	40
6	Truss layout optimization within a continuum. Structural and Multidisciplinary Optimization, 2013, 48, 1-16.	1.7	26
7	Form-finding of grid-shells using the ground structure and potential energy methods: a comparative study and assessment. Structural and Multidisciplinary Optimization, 2018, 57, 1187-1211.	1.7	15
8	Advancing building engineering through structural and topology optimization. Structural and Multidisciplinary Optimization, 2020, 62, 915-935.	1.7	11
9	Geometrical Aspects of Lateral Bracing Systems: Where Should the Optimal Bracing Point Be?. Journal of Structural Engineering, 2014, 140, .	1.7	10
10	Discontinuity layout optimization using unstructured meshes and material layering in 2D. Structural and Multidisciplinary Optimization, 2022, 65, 1.	1.7	3