

# Casper Schousboe Andreassen

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,323  
citations

567281

15  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

838  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aeroelastic shape optimization of solid foam core wings subject to large deformations. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, .	3.5	3
2	Aeroelastic Optimization of Aircraft Wings Using a Coupled Three-Dimensional Panel-Beam Model. <i>AIAA Journal</i> , 2021, 59, 1374-1386.	2.6	6
3	Length scale control for high-resolution three-dimensional level set-based topology optimization. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 1127-1139.	3.5	9
4	On approaches for avoiding low-stiffness regions in variable thickness sheet and homogenization-based topology optimization. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 39-52.	3.5	11
5	A "poor man's" approach for high-resolution three-dimensional topology design for natural convection problems. <i>Advances in Engineering Software</i> , 2020, 140, 102736.	3.8	35
6	Topology optimization of two fluid heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2020, 163, 120543.	4.8	43
7	Aerodynamic Shape Optimization of Aircraft Wings Using Panel Methods. <i>AIAA Journal</i> , 2020, 58, 3765-3776.	2.6	12
8	Level set topology and shape optimization by density methods using cut elements with length scale control. <i>Structural and Multidisciplinary Optimization</i> , 2020, 62, 685-707.	3.5	49
9	A Review of Topology Optimisation for Fluid-Based Problems. <i>Fluids</i> , 2020, 5, 29.	1.7	138
10	A framework for topology optimization of inertial microfluidic particle manipulators. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 2481-2499.	3.5	13
11	A "poor man's" approach to topology optimization of natural convection problems. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 1105-1124.	3.5	46
12	Revisiting density-based topology optimization for fluid-structure-interaction problems. <i>Structural and Multidisciplinary Optimization</i> , 2018, 58, 969-995.	3.5	42
13	A "poor man's" approach to topology optimization of cooling channels based on a Darcy flow model. <i>International Journal of Heat and Mass Transfer</i> , 2018, 116, 1108-1123.	4.8	89
14	Hydraulic pitch control system for wind turbines: Advanced modeling and verification of an hydraulic accumulator. <i>Simulation Modelling Practice and Theory</i> , 2017, 79, 1-22.	3.8	11
15	Topology optimization of inertia driven dosing units. <i>Structural and Multidisciplinary Optimization</i> , 2017, 55, 1301-1309.	3.5	4
16	Topology optimisation for natural convection problems. <i>International Journal for Numerical Methods in Fluids</i> , 2014, 76, 699-721.	1.6	149
17	On the realization of the bulk modulus bounds for two-phase viscoelastic composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2014, 63, 228-241.	4.8	48
18	How to determine composite material properties using numerical homogenization. <i>Computational Materials Science</i> , 2014, 83, 488-495.	3.0	285

#	ARTICLE	IF	CITATIONS
19	Topology optimization of fluid-structure-interaction problems in poroelasticity. Computer Methods in Applied Mechanics and Engineering, 2013, 258, 55-62.	6.6	51
20	Interactive topology optimization on hand-held devices. Structural and Multidisciplinary Optimization, 2013, 47, 1-6.	3.5	41
21	Saturated poroelastic actuators generated by topology optimization. Structural and Multidisciplinary Optimization, 2011, 43, 693-706.	3.5	20
22	An explicit parameterization for casting constraints in gradient driven topology optimization. Structural and Multidisciplinary Optimization, 2011, 44, 875-881.	3.5	95
23	Topology optimization of microfluidic mixers. International Journal for Numerical Methods in Fluids, 2009, 61, 498-513.	1.6	120
24	Aerodynamic Shape Optimization of Highly Nonplanar Raised and Drooped Wings. Journal of Aircraft, 0, , 1-13.	2.4	3