

Casper Schousboe Andreassen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,323
citations

567144

15
h-index

642610

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, . | 1.7 | 3 |
| 2 | Aeroelastic Optimization of Aircraft Wings Using a Coupled Three-Dimensional Panel-Beam Model. <i>AIAA Journal</i> , 2021, 59, 1374-1386. | 1.5 | 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. | 1.7 | 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. | 1.7 | 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. | 1.8 | 35 |
| 6 | Topology optimization of two fluid heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2020, 163, 120543. | 2.5 | 43 |
| 7 | Aerodynamic Shape Optimization of Aircraft Wings Using Panel Methods. <i>AIAA Journal</i> , 2020, 58, 3765-3776. | 1.5 | 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. | 1.7 | 49 |
| 9 | A Review of Topology Optimisation for Fluid-Based Problems. <i>Fluids</i> , 2020, 5, 29. | 0.8 | 138 |
| 10 | A framework for topology optimization of inertial microfluidic particle manipulators. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 2481-2499. | 1.7 | 13 |
| 11 | A "poor man's" approach to topology optimization of natural convection problems. <i>Structural and Multidisciplinary Optimization</i> , 2019, 59, 1105-1124. | 1.7 | 46 |
| 12 | Revisiting density-based topology optimization for fluid-structure-interaction problems. <i>Structural and Multidisciplinary Optimization</i> , 2018, 58, 969-995. | 1.7 | 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. | 2.5 | 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. | 2.2 | 11 |
| 15 | Topology optimization of inertia driven dosing units. <i>Structural and Multidisciplinary Optimization</i> , 2017, 55, 1301-1309. | 1.7 | 4 |
| 16 | Topology optimisation for natural convection problems. <i>International Journal for Numerical Methods in Fluids</i> , 2014, 76, 699-721. | 0.9 | 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. | 2.3 | 48 |
| 18 | How to determine composite material properties using numerical homogenization. <i>Computational Materials Science</i> , 2014, 83, 488-495. | 1.4 | 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. | 3.4 | 51 |
| 20 | Interactive topology optimization on hand-held devices. Structural and Multidisciplinary Optimization, 2013, 47, 1-6. | 1.7 | 41 |
| 21 | Saturated poroelastic actuators generated by topology optimization. Structural and Multidisciplinary Optimization, 2011, 43, 693-706. | 1.7 | 20 |
| 22 | An explicit parameterization for casting constraints in gradient driven topology optimization. Structural and Multidisciplinary Optimization, 2011, 44, 875-881. | 1.7 | 95 |
| 23 | Topology optimization of microfluidic mixers. International Journal for Numerical Methods in Fluids, 2009, 61, 498-513. | 0.9 | 120 |
| 24 | Aerodynamic Shape Optimization of Highly Nonplanar Raised and Drooped Wings. Journal of Aircraft, 0, , 1-13. | 1.7 | 3 |