

# Susanne Claus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1923468/publications.pdf>

Version: 2024-02-01

9  
papers

583  
citations

1478505

6  
h-index

1474206

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

485  
citing authors

| # | ARTICLE   | IF  | CITATIONS |
|---|---|-----|-----------|
| 1 | A cut finite element method for spatially resolved energy metabolism models in complex neuro-cell morphologies with minimal remeshing. <i>Advanced Modeling and Simulation in Engineering Sciences</i> , 2021, 8, . | 1.7 | 9         |
| 2 | Contact modeling from images using cut finite element solvers. <i>Advanced Modeling and Simulation in Engineering Sciences</i> , 2021, 8, .   | 1.7 | 5         |
| 3 | A CutFEM method for two-phase flow problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 348, 185-206.   | 6.6 | 27        |
| 4 | Adaptivity in Bayesian Inverse Finite Element Problems: Learning and Simultaneous Control of Discretisation and Sampling Errors. <i>Materials</i> , 2019, 12, 642.  | 2.9 | 2         |
| 5 | A simple and robust computational homogenization approach for heterogeneous particulate composites. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 349, 45-90.                                | 6.6 | 16        |
| 6 | A stable and optimally convergent $\Gamma$ -CutFEM algorithm for multiple unilateral contact problems. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 938-966.                      | 2.8 | 24        |
| 7 | CutFEM Method for Stefan–Signorini Problems with Application in Pulsed Laser Ablation. <i>SIAM Journal of Scientific Computing</i> , 2018, 40, B1444-B1469.   | 2.8 | 19        |
| 8 | Fictitious domain method with boundary value correction using penalty-free Nitsche method. <i>Journal of Numerical Mathematics</i> , 2017, .  | 3.5 | 2         |
| 9 | CutFEM: Discretizing geometry and partial differential equations. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 104, 472-501.   | 2.8 | 479       |