

# Sebastian L Fuchs

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

7

papers

58

citations

4

h-index

7

g-index

7

ext. papers

108

ext. citations

2.9

avg, IF

2.91

L-index

#	Paper	IF	Citations
7	Mechanics of the stomach: A review of an emerging field of biomechanics. <i>GAMM Mitteilungen</i> , <b>2019</b> , 42, e201900001	1.8	23
6	Computational model of gastric motility with active-strain electromechanics. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , <b>2018</b> , 98, 2177-2197	1	16
5	A novel smoothed particle hydrodynamics formulation for thermo-capillary phase change problems with focus on metal additive manufacturing melt pool modeling. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2021</b> , 381, 113812	5.7	9
4	A novel smoothed particle hydrodynamics and finite element coupling scheme for fluid-structure interaction: The sliding boundary particle approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2021</b> , 383, 113922	5.7	4
3	Global Sensitivity Analysis of a Homogenized Constrained Mixture Model of Arterial Growth and Remodeling. <i>Journal of Elasticity</i> , <b>2021</b> , 145, 191-221	1.5	3
2	Physics-based modeling and predictive simulation of powder bed fusion additive manufacturing across length scales. <i>GAMM Mitteilungen</i> , <b>2021</b> , 44, e202100014	1.8	2
1	An SPH framework for fluid-solid and contact interaction problems including thermo-mechanical coupling and reversible phase transitions. <i>Advanced Modeling and Simulation in Engineering Sciences</i> , <b>2021</b> , 8,	2.7	1