

# Uwe KÄjcher

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

252  
citations

1163117

8  
h-index

1372567

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g-index

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11  
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11  
times ranked

157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible goal-oriented adaptivity for higher-order space-time discretizations of transport problems with coupled flow. <i>Computers and Mathematics With Applications</i> , 2021, 91, 17-35.	2.7	8
2	The deal.II library, Version 9.3. <i>Journal of Numerical Mathematics</i> , 2021, 29, 171-186.	3.5	92
3	Post-processed Galerkin approximation of improved order for wave equations. <i>Mathematics of Computation</i> , 2019, 89, 595-627.	2.1	9
4	Efficient and scalable data structures and algorithms for goal-oriented adaptivity of space-time FEM codes. <i>SoftwareX</i> , 2019, 10, 100239.	2.6	13
5	Numerical Investigation on the Fixed-Stress Splitting Scheme for Biot's Equations: Optimality of the Tuning Parameter. <i>Lecture Notes in Computational Science and Engineering</i> , 2019, , 789-797.	0.3	2
6	Influence of the SIPG Penalisation on the Numerical Properties of Linear Systems for Elastic Wave Propagation. <i>Lecture Notes in Computational Science and Engineering</i> , 2019, , 215-223.	0.3	0
7	Space-time finite element approximation of the Biot poroelasticity system with iterative coupling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 320, 745-768.	6.6	69
8	Error analysis for discretizations of parabolic problems using continuous finite elements in time and mixed finite elements in space. <i>Numerische Mathematik</i> , 2017, 137, 773-818.	1.9	16
9	Iterative Coupling of Variational Space-Time Methods for Biot's System of Poroelasticity. <i>Lecture Notes in Computational Science and Engineering</i> , 2016, , 143-151.	0.3	1
10	Variational time discretization for mixed finite element approximations of nonstationary diffusion problems. <i>Journal of Computational and Applied Mathematics</i> , 2015, 289, 208-224.	2.0	10
11	Variational Space-Time Methods for the Wave Equation. <i>Journal of Scientific Computing</i> , 2014, 61, 424-453.	2.3	32