

Thomas Takacs

List of Publications by Year in descending order

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docs citations

21
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis-suitable G1 multi-patch parametrizations for C1 isogeometric spaces. Computer Aided Geometric Design, 2016, 47, 93-113.	1.2	99
2	Construction of analysis-suitable C^1 multi-patch parameterizations. CAD Computer Aided Design, 2018, 97, 41-55.	2.7	57
3	Dimension and basis construction for analysis-suitable G1 two-patch parameterizations. Computer Aided Geometric Design, 2017, 52-53, 75-89.	1.2	43
4	An isogeometric C1 subspace on unstructured multi-patch planar domains. Computer Aided Geometric Design, 2019, 69, 55-75.	1.2	43
5	Existence of stiffness matrix integrals for singularly parameterized domains in isogeometric analysis. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 3568-3582.	6.6	42
6	Approximation error estimates and inverse inequalities for B-splines of maximum smoothness. Mathematical Models and Methods in Applied Sciences, 2016, 26, 1411-1445.	3.3	35
7	Regularity properties of singular parameterizations in isogeometric analysis. Graphical Models, 2012, 74, 361-372.	2.4	30
8	Unstructured spline spaces for isogeometric analysis based on spline manifolds. Computer Aided Geometric Design, 2016, 47, 61-82.	1.2	22
9	Isogeometric analysis with C^1 functions on planar, unstructured quadrilateral meshes. SMAI Journal of Computational Mathematics, 0, S5, 67-86.	0.0	21
10	Overlapping multi-patch structures in isogeometric analysis. Computer Methods in Applied Mechanics and Engineering, 2019, 356, 325-353.	6.6	20
11	A family of C1 quadrilateral finite elements. Advances in Computational Mathematics, 2021, 47, 1.	1.6	11
12	Construction of approximate C^1 multi-patch parameterizations for isogeometric analysis on two-patch domains. Computer Methods in Applied Mechanics and Engineering, 2021, 385, 114017.	1.6	6
13	Derivatives of isogeometric functions on n-dimensional rational patches in \mathbb{R}^m . Mathematical Modelling, 2021, 42, 1009-1027.	2.7	6
14	Smooth multi-patch discretizations in isogeometric analysis. Handbook of Numerical Analysis, 2021, , 467-543.	1.2	6
15	Smooth multi-patch discretizations in isogeometric analysis. Handbook of Numerical Analysis, 2021, , 467-543.	1.8	6
16	Construction of Smooth Isogeometric Function Spaces on Singularly Parameterized Domains. Lecture Notes in Computer Science, 2015, , 433-451.	1.3	3
17	Convergence of Tikhonov regularization for solving ill-posed operator equations with solutions defined on surfaces. Inverse Problems and Imaging, 2017, 11, 221-246.	1.1	2
18	IGA Using Offset-based Overlapping Domain Parameterizations. CAD Computer Aided Design, 2021, 139, 103087.	2.7	1

#	ARTICLE	IF	CITATIONS
19	Imposing nonlocal boundary conditions in Galerkin-type methods based on non-interpolatory functions. <i>Computers and Mathematics With Applications</i> , 2020, 80, 2877-2895.	2.7	0
20	Manifold-Based B-Splines on Unstructured Meshes. <i>Lecture Notes in Computational Science and Engineering</i> , 2021, , 243-262.	0.3	0
21	Adaptive Refinement for Unstructured T-Splines with Linear Complexity. <i>Computer Aided Geometric Design</i> , 2022, , 102117.	1.2	0