## Michael A Scott

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A phase-field description of dynamic brittle fracture. Computer Methods in Applied Mechanics and Engineering, 2012, 217-220, 77-95.	6.6	1,196
2	lsogeometric finite element data structures based on Bézier extraction of NURBS. International Journal for Numerical Methods in Engineering, 2011, 87, 15-47.	2.8	407
3	An isogeometric design-through-analysis methodology based on adaptive hierarchical refinement of NURBS, immersed boundary methods, and T-spline CAD surfaces. Computer Methods in Applied Mechanics and Engineering, 2012, 249-252, 116-150.	6.6	372
4	lsogeometric finite element data structures based on Bézier extraction of Tâ€splines. International Journal for Numerical Methods in Engineering, 2011, 88, 126-156.	2.8	268
5	Isogeometric collocation: Cost comparison with Galerkin methods and extension to adaptive hierarchical NURBS discretizations. Computer Methods in Applied Mechanics and Engineering, 2013, 267, 170-232.	6.6	248
6	On linear independence of T-spline blending functions. Computer Aided Geometric Design, 2012, 29, 63-76.	1.2	184
7	An isogeometric analysis approach to gradient damage models. International Journal for Numerical Methods in Engineering, 2011, 86, 115-134.	2.8	160
8	An isogeometric approach to cohesive zone modeling. International Journal for Numerical Methods in Engineering, 2011, 87, 336-360.	2.8	154
9	Truncated hierarchical Catmull–Clark subdivision with local refinement. Computer Methods in Applied Mechanics and Engineering, 2015, 291, 1-20.	6.6	89
10	Volumetric T-spline construction using Boolean operations. Engineering With Computers, 2014, 30, 425-439.	6.1	75
11	Tissue-scale, personalized modeling and simulation of prostate cancer growth. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7663-E7671.	7.1	68
12	Converting an unstructured quadrilateral mesh to a standard T-spline surface. Computational Mechanics, 2011, 48, 477-498.	4.0	64
13	Extended Truncated Hierarchical Catmull–Clark Subdivision. Computer Methods in Applied Mechanics and Engineering, 2016, 299, 316-336.	6.6	37
14	Isogeometric boundary element methods and patch tests for linear elastic problems: Formulation, numerical integration, and applications. Computer Methods in Applied Mechanics and Engineering, 2019, 357, 112591.	6.6	21
15	Improved many-to-one sweeping. International Journal for Numerical Methods in Engineering, 2006, 65, 332-348.	2.8	14
16	A 3D isogeometric BE–FE analysis with dynamic remeshing for the simulation of a deformable particle in shear flows. Computer Methods in Applied Mechanics and Engineering, 2017, 326, 70-101.	6.6	14
17	Isogeometric Bézier dual mortaring: The enriched Bézier dual basis with application to second- and fourth-order problems. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112900.	6.6	14
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projection. Computer Methods in Applied Mechanics and Engineering, 2018, 335, 273-297.</pre>

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#	Article	IF	CITATIONS
19	Hierarchical B-spline complexes of discrete differential forms. IMA Journal of Numerical Analysis, 2020, 40, 422-473.	2.9	8
20	Dynamics of a capsule flowing in a tube under pulsatile flow. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 441-450.	3.1	6
21	lsogeometric Bézier dual mortaring: The Kirchhoff–Love shell problem. Computer Methods in Applied Mechanics and Engineering, 2021, 382, 113873.	6.6	6
22	Isogeometric Collocation: Cost Comparison with Galerkin Methods and Extension to Adaptive Hierarchical NURBS Discretizations. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 107-108.	0.2	2