Michael J Borden

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/781684/publications.pdf

Version: 2024-02-01

19 papers 3,704 citations

687363 13 h-index 888059 17 g-index

22 all docs 22 docs citations

times ranked

22

1875 citing authors

#	Article	lF	Citations
1	Isogeometric Bézier dual mortaring: The Kirchhoff–Love shell problem. Computer Methods in Applied Mechanics and Engineering, 2021, 382, 113873.	6.6	6
2	Isogeometric BÃ \otimes zier dual mortaring: The enriched BÃ \otimes zier dual basis with application to second- and fourth-order problems. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112900.	6.6	14
3	A phase-field model for fatigue crack growth. Journal of the Mechanics and Physics of Solids, 2019, 132, 103684.	4.8	80
4	Bézier <mml:math altimg="si6.gif" display="inline" id="mml49" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mover accent="true"><mml:mrow><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mrow><mml:mo>i,,</mml:mo></mml:mrow>computer Methods in Applied Mechanics and Engineering, 2018, 335, 273-297.</mml:mrow></mml:mover></mml:math>	ow\$•\$/mm	10 l:mover>
5	Phase-Field Formulation for Ductile Fracture. Computational Methods in Applied Sciences (Springer), 2018, , 45-70.	0.3	6
6	A phase-field formulation for fracture in ductile materials: Finite deformation balance law derivation, plastic degradation, and stress triaxiality effects. Computer Methods in Applied Mechanics and Engineering, 2016, 312, 130-166.	6.6	399
7	Isogeometric collocation for phase-field fracture models. Computer Methods in Applied Mechanics and Engineering, 2015, 284, 583-610.	6.6	74
8	A higher-order phase-field model for brittle fracture: Formulation and analysis within the isogeometric analysis framework. Computer Methods in Applied Mechanics and Engineering, 2014, 273, 100-118.	6.6	418
9	A phase-field model for fracture in piezoelectric ceramics. International Journal of Fracture, 2013, 183, 135-153.	2.2	85
10	Isogeometric analysis of the advective Cahn–Hilliard equation: Spinodal decomposition under shear flow. Journal of Computational Physics, 2013, 242, 321-350.	3.8	90
11	Isogeometric Analysis for Topology Optimization with a Phase Field Model. Archives of Computational Methods in Engineering, 2012, 19, 427-465.	10.2	220
12	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
13	A phase-field description of dynamic brittle fracture. Computer Methods in Applied Mechanics and Engineering, 2012, 217-220, 77-95.	6.6	1,196
14	Isogeometric finite element data structures based on BÃ $@$ zier extraction of NURBS. International Journal for Numerical Methods in Engineering, 2011, 87, 15-47.	2.8	407
15	Isogeometric 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
16	Isogeometric Failure Analysis. , 2011, , 275-282.		1
17	A Selective Approach to Conformal Refinement of Unstructured Hexahedral Finite Element Meshes. , 2008, , 251-268.		15
18	Methods and Applications of Generalized Sheet Insertion for Hexahedral Meshing., 2008,, 233-250.		16

#	Article	IF	CITATIONS
19	Conformal Refinement and Coarsening of Unstructured Hexahedral Meshes. Journal of Computing and Information Science in Engineering, 2005, 5, 330-337.	2.7	20