

Glen Hansen

List of Publications by Year in descending order

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16
papers

1,039
citations

933447

10
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

1273
citing authors

#	ARTICLE	IF	CITATIONS
1	MOOSE: A parallel computational framework for coupled systems of nonlinear equations. Nuclear Engineering and Design, 2009, 239, 1768-1778.	1.7	593
2	Multiphysics simulations. International Journal of High Performance Computing Applications, 2013, 27, 4-83.	3.7	244
3	Three dimensional coupled simulation of thermomechanics, heat, and oxygen diffusion in nuclear fuel rods. Journal of Nuclear Materials, 2009, 392, 6-15.	2.7	69
4	A finite element method for three-dimensional unstructured grid smoothing. Journal of Computational Physics, 2005, 202, 281-297.	3.8	21
5	Mesh generation technology for nuclear reactor simulation; barriers and opportunities. Nuclear Engineering and Design, 2008, 238, 2590-2605.	1.7	19
6	A coupling methodology for mesoscale-informed nuclear fuel performance codes. Nuclear Engineering and Design, 2010, 240, 2877-2883.	1.7	16
7	A finite element method for unstructured grid smoothing. Journal of Computational Physics, 2004, 194, 611-631.	3.8	12
8	Parallel Algorithms and Software for Nuclear, Energy, and Environmental Applications. Part II: Multiphysics Software. Communications in Computational Physics, 2012, 12, 834-865.	1.7	12
9	A Jacobian-free Newton Krylov method for mortar-discretized thermomechanical contact problems. Journal of Computational Physics, 2011, 230, 6546-6562.	3.8	11
10	Comparison of multimesh hp-FEM to interpolation and projection methods for spatial coupling of thermal and neutron diffusion calculations. Journal of Computational Physics, 2011, 230, 1182-1197.	3.8	10
11	Quasi-Orthogonal Grids with Impedance Matching. SIAM Journal of Scientific Computing, 2000, 22, 1220-1237.	2.8	8
12	Development of a used fuel cladding damage model incorporating circumferential and radial hydride responses. Journal of Nuclear Materials, 2014, 447, 292-303.	2.7	8
13	Efficient nonlinear solvers for Laplace-Beltrami smoothing of three-dimensional unstructured grids. Computers and Mathematics With Applications, 2008, 55, 2791-2806.	2.7	6
14	The role of data transfer on the selection of a single vs. multiple mesh architecture for tightly coupled multiphysics applications. Applied Mathematics and Computation, 2011, 217, 8943-8962.	2.2	5
15	Unstructured surface mesh adaptation using the Laplace-Beltrami target metric approach. Journal of Computational Physics, 2007, 225, 165-182.	3.8	3
16	Grid Generation. , 2016, , 43-1-43-29.		0