J Tinsley Oden

List of Publications by Year
in descending order

22	1,966	471509 17	752698 20
papers	citations	h-index	g-index

23	23	23	1261
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A <scp>1Dâ€“0Dâ€“3D</scp> coupled model for simulating blood flow and transport processes in breast tissue. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3612.	2.1	4
2	Biologically-Based Mathematical Modeling of Tumor Vasculature and Angiogenesis via Time-Resolved Imaging Data. Cancers, 2021, 13, 3008.	3.7	33
3	Bayesian-based predictions of COVID-19 evolution in Texas using multispecies mixture-theoretic continuum models. Computational Mechanics, 2020, 66, 1055-1068.	4.0	40
4	Adaptive multiscale predictive modelling. Acta Numerica, 2018, 27, 353-450.	10.7	46
5	Toward Predictive Multiscale Modeling of Vascular Tumor Growth. Archives of Computational Methods in Engineering, 2016, 23, 735-779.	10.2	65
6	Analysis and numerical solution of stochastic phaseâ€field models of tumor growth. Numerical Methods for Partial Differential Equations, 2015, 31, 552-574.	3.6	26
7	Calibration and validation of coarse-grained models of atomic systems: application to semiconductor manufacturing. Computational Mechanics, 2014, 54, 3-19.	4.0	15
8	Control of modeling error in calibration and validation processes for predictive stochastic models. International Journal for Numerical Methods in Engineering, 2011, 87, 262-272.	2.8	16
9	Goalâ€oriented error estimation for Cahnâ€“Hilliard models of binary phase transition. Numerical Methods for Partial Differential Equations, 2011, 27, 160-196.	3.6	25
10	GENERAL DIFFUSE-INTERFACE THEORIES AND AN APPROACH TO PREDICTIVE TUMOR GROWTH MODELING. Mathematical Models and Methods in Applied Sciences, 2010, 20, 477-517.	3.3	177
11	On the application of the Arlequin method to the coupling of particle and continuum models. Computational Mechanics, 2008, 42, 511-530.	4.0	119
12	MRTI-Based Optimization and Real-Time Laser Surgical Control for Cancer Treatment Using Fast Inverse Analysis Techniques. , 2008, , .		0
13	A posteriori error estimation for acoustic wave propagation problems. Archives of Computational Methods in Engineering, 2005, 12, 343-389.	10.2	25
14	Practical methods fora posteriori error estimation in engineering applications. International Journal for Numerical Methods in Engineering, 2003, 56, 1193-1224.	2.8	51
15	ERROR ESTIMATION OF EIGENFREQUENCIES FOR ELASTICITY AND SHELL PROBLEMS. Mathematical Models and Methods in Applied Sciences, 2003, 13, 323-344.	3.3	20
16	Estimation des erreurs de discrÃ©tisation pour des problÃ¨mes de mÃ©canique. Revue Europeenne Des Elements, 2003, 12, 665-689.	0.1	0
17	An adaptive-order discontinuous Galerkin method for the solution of the Euler equations of gas dynamics. International Journal for Numerical Methods in Engineering, 2000, 47, 61-73.	2.8	42
18	A discontinuous hp finite element method for convectionâ€”diffusion problems. Computer Methods in Applied Mechanics and Engineering, 1999, 175, 311-341.	6.6	383

#	Article	IF	Citations
19	A discontinuoushp finite element method for the Euler and Navier-Stokes equations. International Journal for Numerical Methods in Fluids, 1999, 31, 79-95.	1.6	244
20	H-p cloudsâ€”anh-p meshless method. Numerical Methods for Partial Differential Equations, 1996, 12, 673-705.	3.6	475
21	hp-Version discontinuous Galerkin methods for hyperbolic conservation laws. Computer Methods in Applied Mechanics and Engineering, 1996, 133, 259-286.	6.6	117
22	hp-version discontinuous Galerkin methods for hyperbolic conservation laws: A parallel adaptive strategy. International Journal for Numerical Methods in Engineering, 1995, 38, 3889-3908.	2.8	43