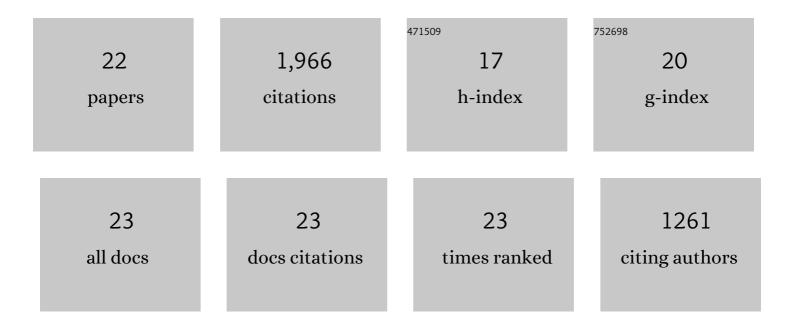
J Tinsley Oden

List of Publications by Year in descending order

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I TINSLEV ODEN

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | H-p clouds—anh-p meshless method. Numerical Methods for Partial Differential Equations, 1996, 12, 673-705. | 3.6 | 475 |
| 2 | A discontinuous hp finite element method for convection—diffusion problems. Computer Methods in Applied Mechanics and Engineering, 1999, 175, 311-341. | 6.6 | 383 |
| 3 | 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 |
| 4 | 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 |
| 5 | On the application of the Arlequin method to the coupling of particle and continuum models. Computational Mechanics, 2008, 42, 511-530. | 4.0 | 119 |
| 6 | hp-Version discontinuous Galerkin methods for hyperbolic conservation laws. Computer Methods in Applied Mechanics and Engineering, 1996, 133, 259-286. | 6.6 | 117 |
| 7 | Toward Predictive Multiscale Modeling of Vascular Tumor Growth. Archives of Computational Methods in Engineering, 2016, 23, 735-779. | 10.2 | 65 |
| 8 | Practical methods fora posteriori error estimation in engineering applications. International Journal for Numerical Methods in Engineering, 2003, 56, 1193-1224. | 2.8 | 51 |
| 9 | Adaptive multiscale predictive modelling. Acta Numerica, 2018, 27, 353-450. | 10.7 | 46 |
| 10 | 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 |
| 11 | 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 |
| 12 | Bayesian-based predictions of COVID-19 evolution in Texas using multispecies mixture-theoretic continuum models. Computational Mechanics, 2020, 66, 1055-1068. | 4.0 | 40 |
| 13 | Biologically-Based Mathematical Modeling of Tumor Vasculature and Angiogenesis via Time-Resolved Imaging Data. Cancers, 2021, 13, 3008. | 3.7 | 33 |
| 14 | 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 |
| 15 | A posteriori error estimation for acoustic wave propagation problems. Archives of Computational Methods in Engineering, 2005, 12, 343-389. | 10.2 | 25 |
| 16 | Goalâ€oriented error estimation for Cahn–Hilliard models of binary phase transition. Numerical Methods for Partial Differential Equations, 2011, 27, 160-196. | 3.6 | 25 |
| 17 | ERROR ESTIMATION OF EIGENFREQUENCIES FOR ELASTICITY AND SHELL PROBLEMS. Mathematical Models and Methods in Applied Sciences, 2003, 13, 323-344. | 3.3 | 20 |
| 18 | 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 |

J TINSLEY ODEN

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Calibration and validation of coarse-grained models of atomic systems: application to semiconductor manufacturing. Computational Mechanics, 2014, 54, 3-19. | 4.0 | 15 |
| 20 | A <scp>1D–0D–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 |
| 21 | Estimation des erreurs de discrétisation pour des problèmes de mécanique. Revue Europeenne Des Elements, 2003, 12, 665-689. | 0.1 | 0 |
| 22 | MRTI-Based Optimization and Real-Time Laser Surgical Control for Cancer Treatment Using Fast Inverse Analysis Techniques. , 2008, , . | | 0 |