

# Ernesto E Prudencio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10570457/publications.pdf>

Version: 2024-02-01

10  
papers

429  
citations

1040056

9  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

451  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Bayesian uncertainty analysis with applications to turbulence modeling. Reliability Engineering and System Safety, 2011, 96, 1137-1149.   | 8.9 | 193       |
| 2  | SELECTION AND ASSESSMENT OF PHENOMENOLOGICAL MODELS OF TUMOR GROWTH. Mathematical Models and Methods in Applied Sciences, 2013, 23, 1309-1338.  | 3.3 | 59        |
| 3  | Parallel Full Space SQP Lagrange-Newton-Krylov-Schwarz Algorithms for PDE-Constrained Optimization Problems. SIAM Journal of Scientific Computing, 2006, 27, 1305-1328.   | 2.8 | 45        |
| 4  | Parallel Multilevel Restricted Schwarz Preconditioners with Pollution Removing for PDE-Constrained Optimization. SIAM Journal of Scientific Computing, 2007, 29, 964-985.                                       | 2.8 | 28        |
| 5  | The Parallel C++ Statistical Library $\hat{\sim}$ QUESO $\hat{\sim}$ ™: Quantification of Uncertainty for Estimation, Simulation and Optimization. Lecture Notes in Computer Science, 2012, , 398-407.          | 1.3 | 25        |
| 6  | Virtual model validation of complex multiscale systems: Applications to nonlinear elastostatics. Computer Methods in Applied Mechanics and Engineering, 2013, 266, 162-184.                                     | 6.6 | 23        |
| 7  | Using Bayesian analysis to quantify uncertainties in the $H+O_2 \hat{\rightarrow} OH+O$ reaction. Combustion and Flame, 2013, 160, 861-869.   | 5.2 | 20        |
| 8  | Fully implicit Lagrange-Newton-Krylov-Schwarz algorithms for boundary control of unsteady incompressible flows. International Journal for Numerical Methods in Engineering, 2012, 91, 644-665.                  | 2.8 | 18        |
| 9  | Bayesian uncertainty quantification of recent shock tube determinations of the rate coefficient of reaction $H + O_2 \hat{\rightarrow} OH + O$ . International Journal of Chemical Kinetics, 2012, 44, 586-597. | 1.6 | 17        |
| 10 | Robust Multilevel Restricted Schwarz Preconditioners and Applications. , 2007, , 155-162.   |     | 1         |