

# Andrea Arnold

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8619122/publications.pdf>

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13  
papers

136  
citations

1478458

6  
h-index

1281846

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

122  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Practical identifiability and uncertainty quantification of a pulsatile cardiovascular model. <i>Mathematical Biosciences</i> , 2018, 304, 9-24.  | 1.9 | 37        |
| 2  | Parameter estimation for stiff deterministic dynamical systems via ensemble Kalman filter. <i>Inverse Problems</i> , 2014, 30, 105008.  | 2.0 | 28        |
| 3  | Linear multistep methods, particle filtering and sequential Monte Carlo. <i>Inverse Problems</i> , 2013, 29, 085007.  | 2.0 | 22        |
| 4  | An approach to periodic, time-varying parameter estimation using nonlinear filtering. <i>Inverse Problems</i> , 2018, 34, 105005.   | 2.0 | 11        |
| 5  | Uncertainty Quantification in a Patient-Specific One-Dimensional Arterial Network Model: EnKF-Based Inflow Estimator. <i>Journal of Verification, Validation and Uncertainty Quantification</i> , 2017, 2, .                    | 0.4 | 9         |
| 6  | Estimating Time-Varying Applied Current in the Hodgkin-Huxley Model. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 550.   | 2.5 | 9         |
| 7  | Analyzing the effects of observation function selection in ensemble Kalman filtering for epidemic models. <i>Mathematical Biosciences</i> , 2021, 339, 108655.  | 1.9 | 6         |
| 8  | Astrocytic tracer dynamics estimated from [1-11C]-acetate PET measurements. <i>Mathematical Medicine and Biology</i> , 2014, 32, dqu021.  | 1.2 | 4         |
| 9  | Identification of tissue optical properties during thermal laser-tissue interactions: An ensemble Kalman filter-based approach. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2022, 38, e3574. | 2.1 | 4         |
| 10 | Modeling Microglia Activation and Inflammation-Based Neuroprotectant Strategies During Ischemic Stroke. <i>Bulletin of Mathematical Biology</i> , 2021, 83, 72.   | 1.9 | 3         |
| 11 | Using Monte Carlo Particle Methods to Estimate and Quantify Uncertainty in Periodic Parameters (Research). <i>Association for Women in Mathematics Series</i> , 2020, , 213-226.  | 0.4 | 2         |
| 12 | Vectorized and parallel particle filter SMC parameter estimation for stiff ODEs. , 2015, , .  |     | 1         |
| 13 | An Ensemble Kalman Filtering Approach for Discrete-Time Inverse Optimal Control Problems. , 2020, , 1-12.   |     | 0         |