# Blaise Faugeras

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5538964/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 24 papers | 914 citations | 623734 14 h-index | 610901 24 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 1553 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plasma initiation and preliminary magnetic control in the HL-2M tokamak. Nuclear Fusion, 2021, 61, 086010. | 3.5 | 6 |
| 2 | An overview of the numerical methods for tokamak plasma equilibrium computation implemented in the NICE code. Fusion Engineering and Design, 2020, 160, 112020. | 1.9 | 24 |
| 3 | On the identification of the electron temperature profile from polarimetry Stokes vector measurements in Tokamak free-boundary equilibrium reconstruction. Plasma Physics and Controlled Fusion, 2019, 61, 115002. | 2.1 | 4 |
| 4 | Equilibrium reconstruction at JET using Stokes model for polarimetry. Nuclear Fusion, 2018, 58, 106032. | 3.5 | 20 |
| 5 | Optimal control of a coupled partial and ordinary differential equations system for the assimilation of polarimetry Stokes vector measurements in tokamak free-boundary equilibrium reconstruction with application to ITER. Computer Physics Communications, 2017, 217, 43-57. | 7.5 | 7 |
| 6 | Tokamak Plasma Boundary Reconstruction Using Toroidal Harmonics and an Optimal Control Method. Fusion Science and Technology, 2016, 69, 495-504. | 1.1 | 3 |
| 7 | 2D interpolation and extrapolation of discrete magnetic measurements with toroidal harmonics for equilibrium reconstruction in a tokamak. Plasma Physics and Controlled Fusion, 2014, 56, 114010. | 2.1 | 14 |
| 8 | Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002. | 3.5 | 70 |
| 9 | Modelling the skipjack tuna dynamics in the Indian Ocean with APECOSM-E: Part 1. Model formulation. Ecological Modelling, 2012, 245, 41-54. | 2.5 | 27 |
| 10 | Modelling the skipjack tuna dynamics in the Indian Ocean with APECOSM-E â€“ Part 2: Parameter estimation and sensitivity analysis. Ecological Modelling, 2012, 245, 55-64. | 2.5 | 17 |
| 11 | Reconstruction of the equilibrium of the plasma in a Tokamak and identification of the current density profile in real time. Journal of Computational Physics, 2012, 231, 960-980. | 3.8 | 49 |
| 12 | The CEDRES++ equilibrium code and its application to ITER, JT-60SA and Tore Supra. Fusion Engineering and Design, 2011, 86, 1045-1048. | 1.9 | 11 |
| 13 | Thermal Conductivity of Graphene in Corbino Membrane Geometry. ACS Nano, 2010, 4, 1889-1892. | 14.6 | 349 |
| 14 | REAL-TIME EQUILIBRIUM RECONSTRUCTION IN A TOKAMAK. AIP Conference Proceedings, 2008, , . | 0.4 | 1 |
| 15 | Modeling environmental effects on the size-structured energy flow through marine ecosystems. Part 2: Simulations. Progress in Oceanography, 2007, 74, 500-514. | 3.2 | 46 |
| 16 | Modeling environmental effects on the size-structured energy flow through marine ecosystems. Part 1: The model. Progress in Oceanography, 2007, 74, 479-499. | 3.2 | 103 |
| 17 | Modeling fish population movements: From an individual-based representation to an advectionâ€“diffusion equation. Journal of Theoretical Biology, 2007, 247, 837-848. | 1.7 | 46 |
| 18 | An efficient numerical scheme for precise time integration of a diffusion-dissolution/precipitation chemical system. Mathematics of Computation, 2005, 75, 209-223. | 2.1 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A multi-region nonlinear ageâ€“size structured fish population model. Nonlinear Analysis: Real World Applications, 2005, 6, 447-460. | 1.7 | 7 |
| 20 | An advection-diffusion-reaction size-structured fish population dynamics model combined with a statistical parameter estimation procedure: Application to the Indian Ocean skipjack tuna fishery. Mathematical Biosciences and Engineering, 2005, 2, 719-741. | 1.9 | 15 |
| 21 | A mechanistic modelling and data assimilation approach to estimate the carbon/chlorophyll and carbon/nitrogen ratios in a coupled hydrodynamical-biological model. Nonlinear Processes in Geophysics, 2004, 11, 515-533. | 1.3 | 42 |
| 22 | VARIATIONAL ASYMPTOTIC DERIVATION OF AN ELASTIC MODEL ARISING FROM THE PROBLEM OF 3D AUTOMATIC SEGMENTATION OF CARDIAC IMAGES. Analysis and Applications, 2004, 02, 275-307. | 2.2 | 2 |
| 23 | Can biogeochemical fluxes be recovered from nitrate and chlorophyll data? A case study assimilating data in the Northwestern Mediterranean Sea at the JGOFS-DYFAMED station. Journal of Marine Systems, 2003, 40-41, 99-125. | 2.1 | 41 |
| 24 | On the Well-Posedness of a Coupled One-Dimensional Biological-Physical Model for the Upper Ocean. Mathematical Models and Methods in Applied Sciences, 2003, 13, 1157-1184. | 3.3 | 1 |