# Nicola Demo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8668874/publications.pdf

Version: 2024-02-01

| 12 | 254 | 933447 10 | 1199594 12 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 12 | 12 | 12 | 145 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | PyDMD: Python Dynamic Mode Decomposition. Journal of Open Source Software, 2018, 3, 530. | 4.6 | 64 |
| 2 | The Neural Network shifted-proper orthogonal decomposition: A machine learning approach for non-linear reduction of hyperbolic equations. Computer Methods in Applied Mechanics and Engineering, 2022, 392, 114687. | 6.6 | 27 |
| 3 | A non-intrusive approach for the reconstruction of POD modal coefficients through active subspaces. Comptes Rendus - Mecanique, 2019, 347, 873-881. | 2.1 | 26 |
| 4 | EZyRB: Easy Reduced Basis method. Journal of Open Source Software, 2018, 3, 661. | 4.6 | 25 |
| 5 | Hull Shape Design Optimization with Parameter Space and Model Reductions, and Self-Learning Mesh Morphing. Journal of Marine Science and Engineering, 2021, 9, 185. | 2.6 | 22 |
| 6 | PyGeM: Python Geometrical Morphing. Software Impacts, 2021, 7, 100047. | 1.4 | 18 |
| 7 | Enhancing CFD predictions in shape design problems by model and parameter space reduction. Advanced Modeling and Simulation in Engineering Sciences, 2020, 7, . | 1.7 | 15 |
| 8 | A Gaussian Process Regression approach within a data-driven POD framework for engineering problems in fluid dynamics. Mathematics in Engineering, 2021, 4, 1-16. | 0.9 | 14 |
| 9 | An efficient computational framework for naval shape design and optimization problems by means of data-driven reduced order modeling techniques. Bolletino Dell Unione Matematica Italiana, 2021, 14, 211-230. | 1.0 | 13 |
| 10 | A Supervised Learning Approach Involving Active Subspaces for an Efficient Genetic Algorithm in High-Dimensional Optimization Problems. SIAM Journal of Scientific Computing, 2021, 43, B831-B853. | 2.8 | 13 |
| 11 | Experience on Vectorizing Lattice Boltzmann Kernels for Multi- and Many-Core Architectures. Lecture Notes in Computer Science, 2016, , 53-62. | 1.3 | 10 |
| 12 | Reduced Order Isogeometric Analysis Approach for PDEs in Parametrized Domains. Lecture Notes in Computational Science and Engineering, 2020, , 153-170. | 0.3 | 7 |