Natasha Flyer

List of Publications by Year
in descending order

8 papers	429 citations	2258059 3 h-index	1720034 7 g-index
8 all docs	8 docs citations	8 times ranked	240 citing authors

#	Article	IF	Citations
1	Convolutional Neural Networks and Stokes Response Functions. Astrophysical Journal, 2022, 925, 176.	4.5	2
2	Solving 3D magnetohydrostatics with RBF-FD: Applications to the solar corona. Journal of Computational Physics, 2022, 462, 111214.	3.8	2
3	Convolutional Neural Networks for Predicting the Strength of the Near-Earth Magnetic Field Caused by Interplanetary Coronal Mass Ejections. Frontiers in Astronomy and Space Sciences, 2020, 7, .	2.8	2
4	Reconstructing the Coronal Magnetic Field: The Role of Cross-field Currents in Solution Uniqueness. Astrophysical Journal, 2020, 898, 70.	4.5	1
5	On the role of polynomials in RBF-FD approximations: III. Behavior near domain boundaries. Journal of Computational Physics, 2019, 380, 378-399.	3.8	49
6	Enhancing finite differences with radial basis functions: Experiments on the Navier–Stokes equations. Journal of Computational Physics, 2016, 316, 39-62.	3.8	91
7	On the role of polynomials in RBF-FD approximations: I. Interpolation and accuracy. Journal of Computational Physics, 2016, 321, 21-38.	3.8	172
8	A Primer on Radial Basis Functions with Applications to the Geosciences. , 2015, , .		110