

# David G Flad

## List of Publications by Year in descending order

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13  
papers

622  
citations

1307594

7  
h-index

1588992

8  
g-index

13  
all docs

13  
docs citations

13  
times ranked

400  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep neural networks for data-driven LES closure models. Journal of Computational Physics, 2019, 398, 108910.	3.8	175
2	High-order discontinuous Galerkin spectral element methods for transitional and turbulent flow simulations. International Journal for Numerical Methods in Fluids, 2014, 76, 522-548.	1.6	169
3	On the use of kinetic energy preserving DG-schemes for large eddy simulation. Journal of Computational Physics, 2017, 350, 782-795.	3.8	71
4	FLEXI: A high order discontinuous Galerkin framework for hyperbolic-parabolic conservation laws. Computers and Mathematics With Applications, 2021, 81, 186-219.	2.7	69
5	Simulation of underresolved turbulent flows by adaptive filtering using the high order discontinuous Galerkin spectral element method. Journal of Computational Physics, 2016, 313, 1-12.	3.8	53
6	A neural network based shock detection and localization approach for discontinuous Galerkin methods. Journal of Computational Physics, 2020, 423, 109824.	3.8	28
7	On the Influence of Polynomial De-aliasing on Subgrid Scale Models. Flow, Turbulence and Combustion, 2016, 97, 475-511.	2.6	24
8	A Discontinuous Galerkin Spectral Element Method for the direct numerical simulation of aeroacoustics. , 2014, , .		16
9	A large eddy simulation method for DGSEM using non-linearly optimized relaxation filters. Journal of Computational Physics, 2020, 408, 109303.	3.8	7
10	Application and Development of the High Order Discontinuous Galerkin Spectral Element Method for Compressible Multiscale Flows. , 2018, , 387-407.		4
11	Discontinuous Galerkin for High Performance Computational Fluid Dynamics. , 2015, , 499-518.		3
12	High Fidelity Scale-Resolving Computational Fluid Dynamics Using the High Order Discontinuous Galerkin Spectral Element Method. , 2016, , 511-530.		2
13	Application and Development of the High Order Discontinuous Galerkin Spectral Element Method for Compressible Multiscale Flows. , 2019, , 291-307.		1