

# Nek Sharan

## List of Publications by Year in descending order

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14  
papers

75  
citations

1937685

4  
h-index

1872680

6  
g-index

14  
all docs

14  
docs citations

14  
times ranked

34  
citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulent shear-layer mixing: initial conditions, and direct-numerical and large-eddy simulations. Journal of Fluid Mechanics, 2019, 877, 35-81.	3.4	25
2	Time-stable overset grid method for hyperbolic problems using summation-by-parts operators. Journal of Computational Physics, 2018, 361, 199-230.	3.8	20
3	Mixing, scalar boundedness, and numerical dissipation in large-eddy simulations. Journal of Computational Physics, 2018, 369, 148-172.	3.8	16
4	Investigation of high-pressure turbulent jets using direct numerical simulation. Journal of Fluid Mechanics, 2021, 922, .	3.4	8
5	Numerical aspects for physically accurate Direct Numerical Simulations of turbulent jets. , 2019, , .		2
6	Direct numerical simulation of high-pressure free jets. , 2021, , .		1
7	Stable and conservative boundary treatment for difference methods, with application to cut-cell discretizations. , 2020, , .		1
8	High-order dimensionally-split Cartesian embedded boundary method for non-dissipative schemes. Journal of Computational Physics, 2022, 464, 111341.	3.8	1
9	Time Stability of Strong Boundary Conditions in Finite-Difference Schemes for Hyperbolic Systems. SIAM Journal on Numerical Analysis, 2022, 60, 1331-1362.	2.3	1
10	Turbulent mixing in supercritical jets: effect of compressibility factor and inflow condition. , 2020, , .		0
11	A deep learning framework for derivation of time-stable difference schemes. , 2021, , .		0
12	Finite-difference Cartesian cut-cell method for hyperbolic systems. , 2021, , .		0
13	High-pressure two-species mixing in turbulent free jets. , 2022, , .		0
14	Harmonic Decomposition Models of Periodically-Forced Fluid Flows. , 2022, , .		0