Misun Min

List of Publications by Year
in descending order

19 papers	**333** citations	933447 **10** h-index	940533 **16** g-index
21 all docs	**21** docs citations	**21** times ranked	**313** citing authors

#	Article	IF	Citations
1	Entanglement of two, three, or four plasmonically coupled quantum dots. Physical Review B, 2015, 92, .	3.2	54
2	Scalability of high-performance PDE solvers. International Journal of High Performance Computing Applications, 2020, 34, 562-586.	3.7	34
3	Origins and optimization of entanglement in plasmonically coupled quantum dots. Physical Review A, 2016, 94, .	2.5	30
4	An MPI/OpenACC implementation of a high-order electromagnetics solver with GPUDirect communication. International Journal of High Performance Computing Applications, 2016, 30, 320-334.	3.7	28
5	Efficient exascale discretizations: High-order finite element methods. International Journal of High Performance Computing Applications, 2021, 35, 527-552.	3.7	24
6	Nekbone performance on GPUs with OpenACC and CUDA Fortran implementations. Journal of Supercomputing, 2016, 72, 4160-4180.	3.6	21
7	Why is MPI so slow?. , 2017, , .		21
8	Temporal control of graphene plasmons. Physical Review B, 2018, 98, .	3.2	21
9	A Characteristic-Based Spectral Element Method for Moving-Domain Problems. Journal of Scientific Computing, 2019, 79, 564-592.	2.3	17
10	A Spectral Element Method with Transparent Boundary Condition for Periodic Layered Media Scattering. Journal of Scientific Computing, 2016, 68, 772-802.	2.3	14
11	Cardinal: A Lower-Length-Scale Multiphysics Simulator for Pebble-Bed Reactors. Nuclear Technology, 2021, 207, 1118-1141.	1.2	13
12	Parallel I/O Performance for Application-Level Checkpointing on the Blue Gene/P System. , 2011, , .		11
13	GPU algorithms for Efficient Exascale Discretizations. Parallel Computing, 2021, 108, 102841.	2.1	11
14	A spectral–element discontinuous Galerkin thermal lattice Boltzmann method for conjugate heat transfer applications. International Journal for Numerical Methods in Fluids, 2016, 82, 932-952.	1.6	10
15	OpenACC acceleration for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e251" altimg="si5.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi>P</mml:mi></mml:mrow><mml:mrow><mml:mi>N</mml:mi></mml:mrow> algorithm in Nek5000. Journal of Parallel and Distributed Computing, 2019, 132, 69-78.	4.1	8
16	An Efficient High-Order Time Integration Method for Spectral-Element Discontinuous Galerkin Simulations in Electromagnetics. Journal of Scientific Computing, 2013, 57, 582-603.	2.3	5
17	On the use of LES-based turbulent thermal-stress models for rod bundle simulations. International Journal of Heat and Mass Transfer, 2019, 142, 118399.	4.8	4
18	Periodic corrugations to increase efficiency of thermophotovoltaic emitting structures. Applied Physics Letters, 2019, 114, .	3.3	3

#	Article	IF	Citations
19	Spectral element discontinuous Galerkin simulations for wake potential calculations: NEKCEM. , 2007, , .		1