Nicholas J Curtis

List of Publications by Year
in descending order

		1937685	2053705
5 papers	**96** citations	**4** h-index	**5** g-index
5 all docs	**5** docs citations	**5** times ranked	**84** citing authors

#	Article	IF	Citations
1	pyJac: Analytical Jacobian generator for chemical kinetics. Computer Physics Communications, 2017, 215, 188-203.	7.5	55
2	An automated target species selection method for dynamic adaptive chemistry simulations. Combustion and Flame, 2015, 162, 1358-1374.	5.2	19
3	An investigation of GPU-based stiff chemical kinetics integration methods. Combustion and Flame, 2017, 179, 312-324.	5.2	15
4	Using SIMD and SIMT vectorization to evaluate sparse chemical kinetic Jacobian matrices and thermochemical source terms. Combustion and Flame, 2018, 198, 186-204.	5.2	6
5	Accelerating reactive-flow simulations using vectorized chemistry integration. Computer Physics Communications, 2022, 278, 108409.	7.5	1