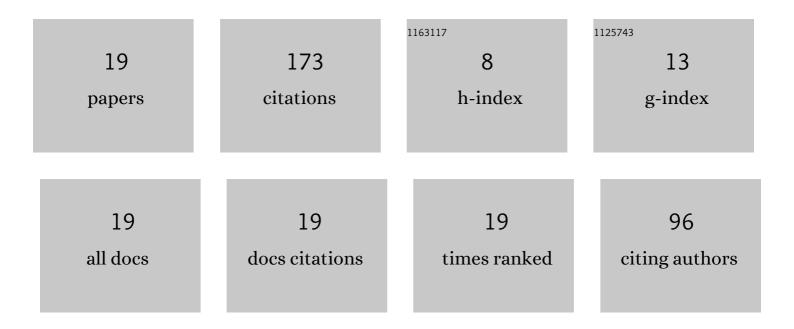
Warren R Smith

List of Publications by Year in descending order

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WADDEN D SMITH

#	Article	IF	CITATIONS
1	Numerical investigation of bubble dynamics at a corner. Physics of Fluids, 2020, 32, .	4.0	41
2	The propagation and basal solidification of two-dimensional and axisymmetric viscous gravity currents. Journal of Engineering Mathematics, 2004, 50, 359-378.	1.2	27
3	Modulation equations for strongly nonlinear oscillations of an incompressible viscous drop. Journal of Fluid Mechanics, 2010, 654, 141-159.	3.4	23
4	Radiative decay of the nonlinear oscillations of an adiabatic spherical bubble at small Mach number. Journal of Fluid Mechanics, 2018, 837, 1-18.	3.4	13
5	Microbubble dynamics in a viscous compressible liquid subject to ultrasound. Physics of Fluids, 2022, 34, .	4.0	10
6	Viscous decay of nonlinear oscillations of a spherical bubble at large Reynolds number. Physics of Fluids, 2017, 29, .	4.0	9
7	On the sensitivity of strongly nonlinear autonomous oscillators and oscillatory waves to small perturbations. IMA Journal of Applied Mathematics, 2005, 70, 359-385.	1.6	8
8	A theoretical model for the growth of spherical bubbles by rectified diffusion. Journal of Fluid Mechanics, 2022, 939, .	3.4	8
9	Modulation equations and Reynolds averaging for finite-amplitude non-linear waves in an incompressible fluid. IMA Journal of Applied Mathematics, 2007, 72, 923-945.	1.6	5
10	Traveling Waves in Two-Dimensional Plane Poiseuille Flow. SIAM Journal on Applied Mathematics, 2015, 75, 2147-2169.	1.8	5
11	Numerical investigation of cavitation generated by an ultrasonic dental scaler tip vibrating in a compressible liquid. Ultrasonics Sonochemistry, 2020, 63, 104963.	8.2	5
12	Solidification of a two-dimensional high-Reynolds-number flow and its application to laser percussion drilling. European Journal of Applied Mathematics, 2007, 18, 1-19.	2.9	4
13	Wave–structure interactions for the distensible tube wave energy converter. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160160.	2.1	4
14	Preface to the sixth special issue on "Practical Asymptotics― Journal of Engineering Mathematics, 2017, 102, 1-2.	1.2	4
15	Asymptotic analysis of the attractors in two-dimensional Kolmogorov flow. European Journal of Applied Mathematics, 2018, 29, 393-416.	2.9	3
16	The pitfalls of investigating rotational flows with the Euler equations. Journal of Fluid Mechanics, 2021, 927, .	3.4	3
17	Predictions of thermoelastic stress in a broad-area semiconductor laser. Applied Physics Letters, 2007, 90, 121105.	3.3	1
18	Necessary conditions for breathers on continuous media to approximate breathers on discrete lattices. European Journal of Applied Mathematics, 2016, 27, 23-41.	2.9	0

#	Article	IF	CITATIONS
19	The radiated acoustic pressure and time scales of a spherical bubble. Fluid Dynamics Research, 2021, 53, 015502.	1.3	ο