

Peter J Baddoo

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

160
citations

1478505

6
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-driven resolvent analysis. <i>Journal of Fluid Mechanics</i> , 2021, 918, .	3.4	41
2	Kernel learning for robust dynamic mode decomposition: linear and nonlinear disambiguation optimization. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2022, 478, 20210830.	2.1	19
3	An analytic solution for gust-cascade interaction noise including effects of realistic aerofoil geometry. <i>Journal of Fluid Mechanics</i> , 2020, 886, .	3.4	15
4	Potential flow through a cascade of aerofoils: direct and inverse problems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20180065.	2.1	12
5	Periodic Schwarz-Christoffel mappings with multiple boundaries per period. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20190225.	2.1	11
6	Unsteady aerodynamics of porous aerofoils. <i>Journal of Fluid Mechanics</i> , 2021, 913, .	3.4	9
7	Acoustic scattering by cascades with complex boundary conditions: compliance, porosity and impedance. <i>Journal of Fluid Mechanics</i> , 2020, 898, .	3.4	8
8	Noise generated by entropic and compositional inhomogeneities interacting with a cascade of airfoils. , 2019, , .		7
9	Exact solutions for ground effect. <i>Journal of Fluid Mechanics</i> , 2020, 891, .	3.4	6
10	Lightning Solvers for Potential Flows. <i>Fluids</i> , 2020, 5, 227.	1.7	5
11	A Jacobi spectral collocation method for the steady aerodynamics of porous aerofoils. , 2019, , .		4
12	A calculus for flows in periodic domains. <i>Theoretical and Computational Fluid Dynamics</i> , 2021, 35, 145-168.	2.2	4
13	The AAtrig Algorithm for Rational Approximation of Periodic Functions. <i>SIAM Journal of Scientific Computing</i> , 2021, 43, A3372-A3392.	2.8	4
14	Vortex Equilibria in Ground Effect. , 2018, , .		3
15	Two-dimensional sound transmission in realistic turbomachinery cascade. , 2019, , .		3
16	Log-lightning computation of capacity and Green's function. <i>Maple Transactions</i> , 2021, 1, .	0.2	3
17	An Analytic Solution for Gust-Cascade Interaction Noise Including Effects of Realistic Aerofoil Geometry: Inter-Blade Region. , 2018, , .		2
18	The compact Green's function for multiple bodies. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	An Analytic Solution for Gust-Cascade Interaction Noise Including Effects of Realistic Aerofoil Geometry. , 2017, , .		1
20	Modeling of Brown-Michael vortices in ground effect. , 2019, , .		1