

# Michael J Carley

## List of Publications by Year in descending order

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32  
papers

152  
citations

1478505

6  
h-index

1281871

11  
g-index

36  
all docs

36  
docs citations

36  
times ranked

99  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Quadratures for Singular and Hypersingular Integrals in Boundary Element Methods. SIAM Journal of Scientific Computing, 2007, 29, 1207-1216.	2.8	34
2	Series expansion for the sound field of rotating sources. Journal of the Acoustical Society of America, 2006, 120, 1252-1256.	1.1	23
3	Inversion of spinning sound fields. Journal of the Acoustical Society of America, 2009, 125, 690-697.	1.1	11
4	Series expansion for the sound field of a ring source. Journal of the Acoustical Society of America, 2010, 128, 3375-3380.	1.1	11
5	Analytical Formulae for Potential Integrals on Triangles. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	9
6	Development of 3D boundary element method for the simulation of acoustic metamaterials/metasurfaces in mean flow for aerospace applications. International Journal of Aeroacoustics, 2020, 19, 324-346.	1.3	8
7	Scattering by quasi-symmetric pipes. Journal of the Acoustical Society of America, 2006, 119, 817.	1.1	7
8	Numerical solution of the modified Bessel equation. IMA Journal of Numerical Analysis, 2013, 33, 1048-1062.	2.9	6
9	America, 2010, 128, 1679-1684.	1.1	5
10	The experimental measurement of motorcycle noise. Proceedings of Meetings on Acoustics, 2011, , .	0.3	5
11	Linear acoustic formulae for calculation of rotating blade noise with asymmetric inflow. , 1996, , .		4
12	The radiating part of circular sources. Journal of the Acoustical Society of America, 2011, 129, 633-641.	1.1	3
13	A Triangulated Vortex Method for the Axisymmetric Euler Equations. Journal of Computational Physics, 2002, 180, 616-641.	3.8	2
14	Retarded-Time Calculation for Moving Sources. AIAA Journal, 2003, 41, 967-969.	2.6	2
15	Boundary Integral Methods for Scattering in Non-Uniform Flows. , 2005, , .		2
16	Noise mechanisms in motorcycle helmet noise. Proceedings of Meetings on Acoustics, 2010, , .	0.3	2
17	Spectral filtering characteristics of a motorcycle helmet. Proceedings of Meetings on Acoustics, 2011, , .	0.3	2
18	Fast evaluation of transient acoustic fields. Journal of the Acoustical Society of America, 2016, 139, 630-635.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Closed-Form Evaluation of Potential Integrals in the Boundary Element Method. Journal of Theoretical and Computational Acoustics, 2020, 28, 1950014.	1.1	2
20	Sound from rotors in non-uniform flow. Journal of the Acoustical Society of America, 2020, 147, 2205-2210.	1.1	2
21	NUMERICAL QUADRATURES FOR NEAR-SINGULAR AND NEAR-HYPERSINGULAR INTEGRALS IN BOUNDARY ELEMENT METHODS. Proceedings of the Royal Irish Academy, 2009, 109, 49-60.	0.2	2
22	A Lagrangian vortex method for unbounded flows. International Journal for Numerical Methods in Fluids, 2008, 58, 161-181.	1.6	1
23	The near-field of spinning sources: Why source identification is hard. Proceedings of Meetings on Acoustics, 2010, , .	0.3	1
24	Moving Least Squares via Orthogonal Polynomials. SIAM Journal of Scientific Computing, 2010, 32, 1310-1322.	2.8	1
25	The effects of windscreen flow on noise in motorcycle helmets. Proceedings of Meetings on Acoustics, 2011, , .	0.3	1
26	Extrapolation of rotating sound fields. Journal of the Acoustical Society of America, 2018, 143, 1623-1629.	1.1	1
27	Motorcycle helmets and the frequency dependence of temporary hearing threshold shift. Proceedings of Meetings on Acoustics, 2011, , .	0.3	0
28	Fast computation of time-dependent acoustic fields. Journal of the Acoustical Society of America, 2016, 140, 3963-3970.	1.1	0
29	Reply by the Authors to S. Lee and K. Brentner. AIAA Journal, 2016, 54, 1812-1813.	2.6	0
30	Quasi-analytical root-finding for non-polynomial functions. Numerical Algorithms, 2017, 76, 639-653.	1.9	0
31	Exact integration of surface and volume potentials. Journal of Engineering Mathematics, 2017, 104, 93-106.	1.2	0
32	Shielding of rotor noise by plates and wings. Acta Acustica, 2022, 6, 27.	1.0	0