

J Gregory Mcdaniel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11475251/publications.pdf>

Version: 2024-02-01

46
papers

546
citations

759233

12
h-index

677142

22
g-index

48
all docs

48
docs citations

48
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational Signaling in the Agonistic Interactions of Red-Eyed Treefrogs. <i>Current Biology</i> , 2010, 20, 1012-1017.	3.9	84
2	Temporal pattern cues in vibrational risk assessment by embryos of the red-eyed treefrog, <i>Agalychnis callidryas</i> . <i>Journal of Experimental Biology</i> , 2006, 209, 1376-1384.	1.7	50
3	Estimation of structural wave numbers from spatially sparse response measurements. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 1674-1682.	1.1	49
4	Flexible information sampling in vibrational assessment of predation risk by red-eyed treefrog embryos. <i>Journal of Experimental Biology</i> , 2007, 210, 614-619.	1.7	45
5	Is it safe? Red-eyed treefrog embryos assessing predation risk use two features of rain vibrations to avoid false alarms. <i>Animal Behaviour</i> , 2010, 79, 255-260.	1.9	36
6	Frequency information in the vibration-cued escape hatching of red-eyed treefrogs. <i>Journal of Experimental Biology</i> , 2009, 212, 566-575.	1.7	35
7	Development, Surface Exposure, and Embryo Behavior Affect Oxygen Levels in Eggs of the Red-Eyed Treefrog, <i>Agalychnis callidryas</i> . <i>Physiological and Biochemical Zoology</i> , 2005, 78, 956-966.	1.5	29
8	Measurement of aqueous foam rheology by acoustic levitation. <i>Physical Review E</i> , 2000, 61, R2204-R2207.	2.1	19
9	Measurement and analysis of sound absorption by a composite foam. <i>Applied Acoustics</i> , 2020, 160, 107138.	3.3	19
10	Pavement Macrotecture Monitoring through Sound Generated by a Tire-Pavement Interaction. <i>Journal of Engineering Mechanics - ASCE</i> , 2013, 139, 264-271.	2.9	18
11	Estimation of Pavement Macrotecture by Principal Component Analysis of Acoustic Measurements. <i>Journal of Transportation Engineering</i> , 2014, 140, .	0.9	17
12	A Mobile Acoustic Subsurface Sensing (MASS) System for Rapid Roadway Assessment. <i>Sensors</i> , 2013, 13, 5881-5896.	3.8	13
13	Ontogeny of escape-hatching decisions: vibrational cue use changes as predicted from costs of sampling and false alarms. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	13
14	Inviscid dynamics of a wet foam drop with monodisperse bubble size distribution. <i>Physics of Fluids</i> , 2002, 14, 1886-1894.	4.0	11
15	Analysis of thermal and viscous boundary layers in acoustic absorption by metallic foam. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 649-655.	1.1	11
16	Applications of the causality condition to one-dimensional acoustic reflection problems. <i>Journal of the Acoustical Society of America</i> , 1999, 105, 2710-2716.	1.1	8
17	Directionality of flexural intensity in orthotropic plates. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 701-706.	1.1	8
18	Far-field approximation for a point-excited anisotropic plate. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 4535-4542.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Statistical analysis of acoustic measurements for assessing pavement surface condition. , 2012, , .		6
20	Escape-hatching decisions show adaptive ontogenetic changes in how embryos manage ambiguity in predation risk cues. Behavioral Ecology and Sociobiology, 2021, 75, 1.	1.4	6
21	An Inverse Method to Predict NEMS Beam Properties From Natural Frequencies. Journal of Applied Mechanics, Transactions ASME, 2020, 87, .	2.2	6
22	Interpretation and identification of minimum phase reflection coefficients. Journal of the Acoustical Society of America, 2001, 110, 3003-3010.	1.1	5
23	Pavement macrotexture measurement using tire/road noise. Journal of Civil Structural Health Monitoring, 2015, 5, 253-261.	3.9	5
24	Frog embryos use multiple levels of temporal pattern in risk assessment for vibration-cued escape hatching. Animal Cognition, 2022, 25, 1527-1544.	1.8	5
25	Two Error Bounds for Dynamic Condensation Methods. AIAA Journal, 2008, 46, 166-176.	2.6	4
26	Sound absorption by metallic foam after triaxial hydrostatic compression. Journal of the Acoustical Society of America, 2020, 147, 3594-3604.	1.1	4
27	Efficient High-Order Frequency Interpolation of Structural Dynamic Response. AIAA Journal, 2003, 41, 2208-2215.	2.6	3
28	A fast inversion analysis algorithm for the spectral analysis of surface wave (SASW) method. Proceedings of SPIE, 2011, , .	0.8	3
29	Fast frequency sweeps with many forcing vectors through adaptive interpolatory model order reduction. International Journal for Numerical Methods in Engineering, 2014, 100, 442-457.	2.8	3
30	Acoustic radiation of MEMS and NEMS resonators in fluids. Journal of Applied Physics, 2021, 129, .	2.5	3
31	Power flow to a cylindrical shell with an attached structure. Journal of the Acoustical Society of America, 1998, 103, 3386-3392.	1.1	2
32	Estimating Natural Frequencies and Mode Shapes from Forced Response Calculations. AIAA Journal, 2002, 40, 758-764.	2.6	2
33	Characterization of an experimental wavenumber fitting method for loss factor estimation using a viscoelastically damped structure. Journal of Sound and Vibration, 2006, 291, 1170-1185.	3.9	2
34	Wave based analysis of the Green's function for a layered cylindrical shell. Journal of the Acoustical Society of America, 2012, 132, 173-179.	1.1	2
35	Fast Inversion of Air-Coupled Spectral Analysis of Surface Wave (SASW) Using in situ Particle Displacement. ISPRS International Journal of Geo-Information, 2015, 4, 2619-2637.	2.9	2
36	Improving Model Parameters in Vibrating Systems Using Neumann Series. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.6	2

#	ARTICLE	IF	CITATIONS
37	Estimation of acoustic absorption in porous materials based on visco-thermal boundary layers modeled as boundary conditions. Journal of the Acoustical Society of America, 2020, 148, 1624-1635.	1.1	2
38	Identification and application of dynamic uncoupling between modifications to vibrating systems. International Journal for Numerical Methods in Engineering, 2017, 109, 533-554.	2.8	1
39	Optimal discovery of ambient acoustic noise field. , 2017, , .		1
40	Digital design of cellular solids for noise and vibration mitigation. Proceedings of Meetings on Acoustics, 2017, , .	0.3	1
41	Convergence estimates for a series approximation of dynamic response of a perturbed system. Journal of Sound and Vibration, 2019, 459, 114855.	3.9	1
42	Effect of Number of Measurement Locations in the Implementation of Iterative Wavenumber Fitting for Viscoelastically Damped Structures. , 0, , .		0
43	Analysis and optimization of constrained layer damping treatments using a semi-analytical finite element method. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
44	Approximating Ocean Acoustic Fields with Finite Basis Function Series for Autonomous Vehicle Applications. Journal of Theoretical and Computational Acoustics, 2020, 28, 1950002.	1.1	0
45	A novel binomial expansion method for evaluating a Neumann series for the response of a perturbed system. Journal of Sound and Vibration, 2020, 473, 115231.	3.9	0
46	Metallic Foam Metamaterials for Vibration Damping and Isolation. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2021, , 123-137.	0.0	0