

James J Finneran

List of Publications by Year in descending order

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114
papers

3,609
citations

126907

33
h-index

149698

56
g-index

121
all docs

121
docs citations

121
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Output compensation of auditory brainstem responses in dolphins and sea lions. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 3070-3082.	1.1	2
2	Spatial acuity of the bottlenose dolphin (<i>Tursiops truncatus</i>) biosonar system with a bat and human comparison. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 3847-3857.	1.1	2
3	The offset auditory brainstem response in bottlenose dolphins (<i>Tursiops truncatus</i>): Evidence for multiple underlying processes. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 3163-3173.	1.1	2
4	Measuring auditory cortical responses in <i>Tursiops truncatus</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2021, 207, 629-640.	1.6	6
5	Auditory oddball responses in <i>Tursiops truncatus</i> . <i>JASA Express Letters</i> , 2021, 1, .	1.1	1
6	Effects of dolphin hearing bandwidth on biosonar click emissions. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 243-252.	1.1	18
7	Spectral cues and temporal integration during cylinder echo discrimination by bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2020, 148, 614-626.	1.1	12
8	Dolphin echo-delay resolution measured with a jittered-echo paradigm. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 374-388.	1.1	15
9	Classification of biosonar target echoes based on coarse and fine spectral features in the bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1642-1646.	1.1	9
10	Offset auditory brainstem response (ABR) amplitude in bottlenose dolphins. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1445-1455.	1.1	4
11	Detection of simulated patterned echo packets by bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1007-1013.	1.1	2
12	Role of the temporal window in dolphin auditory brainstem response onset. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 3360-3371.	1.1	5
13	Conditioned attenuation of dolphin monaural and binaural auditory evoked potentials after preferential stimulation of one ear. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 2302-2313.	1.1	6
14	Auditory brainstem responses during aerial testing with bottlenose dolphins (<i>Tursiops truncatus</i>): Effects of electrode and jawphone locations. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 2525-2533.	1.1	4
15	10.1121/10.0001626.1. , 2020, , .		0
16	Dolphin echolocation behaviour during active long-range target approaches. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	25
17	Effects of stimulus cosine onset properties on bottlenose dolphin (<i>Tursiops truncatus</i>) auditory brainstem responses. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 2994-3002.	1.1	6
18	Frequency-modulated up-chirp stimuli enhance the auditory brainstem response of the killer whale (<i>Orcinus orca</i>). <i>Journal of the Acoustical Society of America</i> , 2019, 146, 289-296.	1.1	5

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19	Jittered echo-delay resolution in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2019, 205, 125-137.	1.6	13
20	Signal-to-noise ratio of auditory brainstem responses (ABRs) across click rate in the bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2019, 145, 1143-1151.	1.1	9
21	Marine Mammal Noise Exposure Criteria: Updated Scientific Recommendations for Residual Hearing Effects. <i>Aquatic Mammals</i> , 2019, 45, 125-232.	0.7	252
22	Conditioned attenuation of auditory brainstem responses in dolphins warned of an intense noise exposure: Temporal and spectral patterns. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 795-810.	1.1	11
23	Click reception in the harbor porpoise (<i>Phocoena phocoena</i>): Effects of electrode and contact transducer location on the auditory brainstem response. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 2076-2084.	1.1	6
24	Effects of vibratory pile driver noise on echolocation and vigilance in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2018, 143, 429-439.	1.1	20
25	Non-auditory, electrophysiological potentials preceding dolphin biosonar click production. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018, 204, 271-283.	1.6	3
26	Stimulus bandwidth impact on auditory evoked potential thresholds and estimated upper-frequency limits of hearing in dolphins. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 3575-3581.	1.1	0
27	Comparison of maximum length sequence and randomized stimulation and averaging methods on the bottlenose dolphin auditory brainstem response. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 308-318.	1.1	5
28	Dolphins maintain high echolocation vigilance for eight hours without primary (food) reinforcement. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 660-666.	1.1	0
29	Effects of noise burst rise time and level on bottlenose dolphin (<i>Tursiops truncatus</i>) auditory brainstem responses. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 2914-2921.	1.1	8
30	Bottlenose dolphin (<i>Tursiops truncatus</i>) discrimination of harmonic stimuli with range-dependent signal degradation. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 3434-3443.	1.1	0
31	Killer whale (<i>Orcinus orca</i>) behavioral audiograms. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 2387-2398.	1.1	45
32	Neural representation of the self-heard biosonar click in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3379-3395.	1.1	6
33	The effects of click rate on the auditory brainstem response of bottlenose dolphins. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3396-3406.	1.1	11
34	A review of the history, development and application of auditory weighting functions in humans and marine mammals. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1371-1413.	1.1	41
35	Bottlenose dolphin (<i>Tursiops truncatus</i>) auditory brainstem responses to frequency-modulated echirp stimuli. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 708-717.	1.1	8
36	Bottlenose dolphin (<i>Tursiops truncatus</i>) auditory brainstem responses recorded using conventional and randomized stimulation and averaging. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1034-1042.	1.1	8

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37	Short-term enhancement and suppression of dolphin auditory evoked responses following echolocation click emission. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 296-307.	1.1	5
38	Nearfield and farfield measurements of dolphin echolocation beam patterns: No evidence of focusing. <i>Journal of the Acoustical Society of America</i> , 2016, 140, 1346-1360.	1.1	18
39	Place specificity of the click-evoked auditory brainstem response in the bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2016, 140, 2593-2602.	1.1	21
40	The effects of click and masker spectrum on the auditory brainstem response of bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2016, 140, 2603-2613.	1.1	6
41	Assessing auditory evoked potentials of wild harbor porpoises (<i>Phocoena phocoena</i>). <i>Journal of the Acoustical Society of America</i> , 2016, 140, 442-452.	1.1	16
42	Hearing Mechanisms and Noise Metrics Related to Auditory Masking in Bottlenose Dolphins (<i>Tursiops</i>)	1.8	8
43	Auditory Effects of Multiple Impulses from a Seismic Air Gun on Bottlenose Dolphins (<i>Tursiops</i>)	1.6	1
44	Variability in Click-Evoked Potentials in Killer Whales (<i>Orcinus orca</i>) and Determination of a Hearing Impairment in a Rehabilitated Killer Whale. <i>Aquatic Mammals</i> , 2016, 42, 184-192.	0.7	6
45	Risk Functions of Dolphins and Sea Lions Exposed to Sonar Signals. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 473-478.	1.6	0
46	Using Reaction Time and Equal Latency Contours to Derive Auditory Weighting Functions in Sea Lions and Dolphins. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 281-287.	1.6	0
47	Auditory Discrimination of Natural and High-Pass Filtered Bark Vocalizations in a California Sea Lion (<i>Zalophus californianus</i>). <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 737-742.	1.6	0
48	Equal latency contours for bottlenose dolphins (<i>Tursiops truncatus</i>) and California sea lions (<i>Zalophus californianus</i>). <i>Journal of the Acoustical Society of America</i> , 2015, 138, 2678-2691.	1.1	7
49	Noise-induced hearing loss in marine mammals: A review of temporary threshold shift studies from 1996 to 2015. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 1702-1726.	1.1	129
50	Effects of multiple impulses from a seismic air gun on bottlenose dolphin hearing and behavior. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 1634-1646.	1.1	30
51	In-Air Evoked Potential Audiometry of Grey Seals (<i>Halichoerus grypus</i>) from the North and Baltic Seas. <i>PLoS ONE</i> , 2014, 9, e90824.	2.5	10
52	Multi-echo processing by a bottlenose dolphin operating in "packet" transmission mode at long range. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 2876-2886.	1.1	12
53	High-resolution measurement of a bottlenose dolphin's (<i>Tursiops truncatus</i>) biosonar transmission beam pattern in the horizontal plane. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 2025-2038.	1.1	48
54	Aerial hearing thresholds and detection of hearing loss in male California sea lions (<i>Zalophus</i>)	1.8	8

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55	Interaural differences in the bottlenose dolphin (<i>Tursiops truncatus</i>) auditory nerve response to jawphone click stimuli. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 1402-1409.	1.1	12
56	Dolphin "packet" use during long-range echolocation tasks. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 1796-1810.	1.1	46
57	Exposure amplitude and repetition affect bottlenose dolphin behavioral responses to simulated mid-frequency sonar signals. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 443, 123-133.	1.5	30
58	Behavioral responses of California sea lions to mid-frequency (3250-3450 Hz) sonar signals. <i>Marine Environmental Research</i> , 2013, 92, 268-278.	2.5	13
59	Bottlenose dolphin (<i>Tursiops truncatus</i>) detection of simulated echoes from normal and time-reversed clicks. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 4548-4555.	1.1	1
60	Auditory masking patterns in bottlenose dolphins (<i>Tursiops truncatus</i>) with natural, anthropogenic, and synthesized noise. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 1811-1818.	1.1	38
61	Using the auditory steady-state response to assess temporal dynamics of hearing sensitivity during bottlenose dolphin echolocation. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3913-3917.	1.1	3
62	Time and frequency metrics related to auditory masking of a 10% kHz tone in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2013, 134, 4556-4565.	1.1	7
63	Auditory evoked potentials in a bottlenose dolphin during moderate-range echolocation tasks. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 4532-4547.	1.1	21
64	Effects of fatiguing tone frequency on temporary threshold shift in bottlenose dolphins (<i>Tursiops</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf	1.1	28
65	Effects of Noise on Sound Perception in Marine Mammals. <i>Animal Signals and Communication</i> , 2013, , 273-308.	0.8	11
66	Underwater psychophysical audiogram of a young male California sea lion (<i>Zalophus californianus</i>). <i>Journal of the Acoustical Society of America</i> , 2012, 131, 4182-4187.	1.1	27
67	The biosonar field around an Atlantic bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2012, 131, 569-576.	1.1	45
68	Directional properties of bottlenose dolphin (<i>Tursiops truncatus</i>) clicks, burst-pulse, and whistle sounds. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 1613-1621.	1.1	64
69	Dolphin biosonar signals measured at extreme off-axis angles: Insights to sound propagation in the head. <i>Journal of the Acoustical Society of America</i> , 2012, 132, 1199-1206.	1.1	39
70	Dolphins Can Maintain Vigilant Behavior through Echolocation for 15 Days without Interruption or Cognitive Impairment. <i>PLoS ONE</i> , 2012, 7, e47478.	2.5	31
71	Auditory Effects of Underwater Noise in Odontocetes. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 197-202.	1.6	2
72	Controlled Exposure Study of Dolphins and Sea Lions to Midfrequency Sonarlike Signals. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 269-272.	1.6	1

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73	Subjective loudness level measurements and equal loudness contours in a bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3124-3136.	1.1	32
74	Aerial audiograms of several California sea lions (<i>Zalophus californianus</i>) and Steller sea lions (<i>Eumetopias jubatus</i>) measured using single and multiple simultaneous auditory steady-state response methods. <i>Journal of Experimental Biology</i> , 2011, 214, 1138-1147.	1.7	12
75	Auditory evoked potentials in two short-finned pilot whales (<i>Globicephala macrorhynchus</i>). <i>Journal of the Acoustical Society of America</i> , 2011, 129, 1111-1116.	1.1	18
76	California sea lion (<i>Zalophus californianus</i>) aerial hearing sensitivity measured using auditory steady-state response and psychophysical methods. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 2298-2306.	1.1	22
77	Dolphin and sea lion auditory evoked potentials in response to single and multiple swept amplitude tones. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 1038-1048.	1.1	8
78	Auditory masking of a 10 kHz tone with environmental, comodulated, and Gaussian noise in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2010, 128, 3799-3804.	1.1	25
79	Temporary threshold shift in a bottlenose dolphin (<i>Tursiops truncatus</i>) exposed to intermittent tones. <i>Journal of the Acoustical Society of America</i> , 2010, 127, 3267-3272.	1.1	38
80	A method to enable a bottlenose dolphin (<i>Tursiops truncatus</i>) to echolocate while out of water. <i>Journal of the Acoustical Society of America</i> , 2010, 128, 1483-1489.	1.1	19
81	Frequency-dependent and longitudinal changes in noise-induced hearing loss in a bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2010, 128, 567-570.	1.1	33
82	The acoustic field on the forehead of echolocating Atlantic bottlenose dolphins (<i>Tursiops</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.1	43
83	Growth and recovery of temporary threshold shift at 3 kHz in bottlenose dolphins: Experimental data and mathematical models. <i>Journal of the Acoustical Society of America</i> , 2010, 127, 3256-3266.	1.1	39
84	Auditory evoked potentials in a stranded Gervais's beaked whale (<i>Mesoplodon europaeus</i>). <i>Journal of the Acoustical Society of America</i> , 2009, 126, 484-490.	1.1	40
85	Dolphins maintain cognitive performance during 72 to 120 hours of continuous auditory vigilance. <i>Journal of Experimental Biology</i> , 2009, 212, 1519-1527.	1.7	34
86	Evoked response study tool: A portable, rugged system for single and multiple auditory evoked potential measurements. <i>Journal of the Acoustical Society of America</i> , 2009, 126, 491-500.	1.1	40
87	Evoked potential audiometry of 13 Pacific bottlenose dolphins (<i>Tursiops truncatus gilli</i>). <i>Marine Mammal Science</i> , 2008, 24, 28-41.	1.8	55
88	AUDITORY EFFECTS OF INTENSE SOUNDS ON ODONTOCETES: CONTINUOUS, INTERMITTENT, AND IMPULSIVE EXPOSURES. <i>Bioacoustics</i> , 2008, 17, 301-304.	1.7	0
89	Frequency and level dependent masking of the multiple auditory steady-state response in the bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2008, 123, 2928-2935.	1.1	4
90	Estimating bottlenose dolphin (<i>Tursiops truncatus</i>) hearing thresholds from single and multiple simultaneous auditory evoked potentials. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 542-551.	1.1	23

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91	Comodulation masking release in bottlenose dolphins (<i>Tursiops truncatus</i>). Journal of the Acoustical Society of America, 2008, 124, 625-633.	1.1	64
92	Click-evoked potentials in a large marine mammal, the adult male northern elephant seal (<i>Mirounga</i>)	1.1	14
93	Modified variance ratio for objective detection of transient evoked potentials in bottlenose dolphins (<i>Tursiops truncatus</i>). Journal of the Acoustical Society of America, 2008, 124, 4069-4082.	1.1	4
94	Assessing temporary threshold shift in a bottlenose dolphin (<i>Tursiops truncatus</i>) using multiple simultaneous auditory evoked potentials. Journal of the Acoustical Society of America, 2007, 122, 1249-1264.	1.1	60
95	Underwater sound pressure variation and bottlenose dolphin (<i>Tursiops truncatus</i>) hearing thresholds in a small pool. Journal of the Acoustical Society of America, 2007, 122, 606-614.	1.1	45
96	Simultaneously measured behavioral and electrophysiological hearing thresholds in a bottlenose dolphin (<i>Tursiops truncatus</i>). Journal of the Acoustical Society of America, 2007, 122, 615-622.	1.1	22
97	Bottlenose dolphin (<i>Tursiops truncatus</i>) steady-state evoked responses to multiple simultaneous sinusoidal amplitude modulated tones. Journal of the Acoustical Society of America, 2007, 121, 1775-1782.	1.1	20
98	Modulation rate transfer functions in bottlenose dolphins (<i>Tursiops truncatus</i>) with normal hearing and high-frequency hearing loss. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2007, 193, 835-843.	1.6	20
99	Measurement and Response Characteristics of Auditory Brainstem Responses in Pinnipeds. Aquatic Mammals, 2007, 33, 132-150.	0.7	18
100	Middle- and Long-Latency Auditory Evoked Potentials in Bottlenose Dolphins (<i>Tursiops</i>)	0.7	5
101	Objective Detection of Bottlenose Dolphin (<i>Tursiops truncatus</i>) Steady-State Auditory Evoked Potentials in Response to AM/FM Tones. Aquatic Mammals, 2007, 33, 43-54.	0.7	23
102	Beaked whale auditory evoked potential hearing measurements. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 489-495.	1.6	58
103	Variation in the hearing sensitivity of a dolphin population determined through the use of evoked potential audiometry. Journal of the Acoustical Society of America, 2006, 120, 4090-4099.	1.1	101
104	Dolphin continuous auditory vigilance for five days. Journal of Experimental Biology, 2006, 209, 3621-3628.	1.7	51
105	Comparison of in-air evoked potential and underwater behavioral hearing thresholds in four bottlenose dolphins (<i>Tursiops truncatus</i>). Journal of the Acoustical Society of America, 2006, 119, 3181-3192.	1.1	61
106	A comparison of underwater hearing sensitivity in bottlenose dolphins (<i>Tursiops truncatus</i>) determined by electrophysiological and behavioral methods. Journal of the Acoustical Society of America, 2006, 120, 1713-1722.	1.1	68
107	Pure tone audiograms and possible aminoglycoside-induced hearing loss in belugas (<i>Delphinapterus</i>)	1.1	55
108	Temporary threshold shift in bottlenose dolphins (<i>Tursiops truncatus</i>) exposed to mid-frequency tones. Journal of the Acoustical Society of America, 2005, 118, 2696-2705.	1.1	91

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109	Auditory and behavioral responses of California sea lions (<i>Zalophus californianus</i>) to single underwater impulses from an arc-gap transducer. <i>Journal of the Acoustical Society of America</i> , 2003, 114, 1667-1677.	1.1	36
110	Auditory filter shapes for the bottlenose dolphin (<i>Tursiops truncatus</i>) and the white whale (<i>Delphinapterus leucas</i>) derived with notched noise. <i>Journal of the Acoustical Society of America</i> , 2002, 112, 322-328.	1.1	47
111	Low-frequency acoustic pressure, velocity, and intensity thresholds in a bottlenose dolphin (<i>Tursiops</i>) Tj ETQq1 1 0.784314 rgBT /Over 2002, 111, 447-456.	1.1	12
112	Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. <i>Journal of the Acoustical Society of America</i> , 2002, 111, 2929-2940.	1.1	113
113	Auditory and behavioral responses of bottlenose dolphins (<i>Tursiops truncatus</i>) and a beluga whale (<i>Delphinapterus leucas</i>) to impulsive sounds resembling distant signatures of underwater explosions. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 417-431.	1.1	82
114	Temporary shift in masked hearing thresholds of bottlenose dolphins, <i>Tursiops truncatus</i> , and white whales, <i>Delphinapterus leucas</i> , after exposure to intense tones. <i>Journal of the Acoustical Society of America</i> , 2000, 107, 3496-3508.	1.1	110