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	Marine Mammal Noise Exposure Criteria: Updated Scientific Recommendations for Residual Hearing Effects. Aquatic Mammals, 2019, 45, 125-232.	0.7	252
2	Noise-induced hearing loss in marine mammals: A review of temporary threshold shift studies from 1996 to 2015. Journal of the Acoustical Society of America, 2015, 138, 1702-1726.	1.1	129
3	Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. Journal of the Acoustical Society of America, 2002, 111, 2929-2940.	1.1	113
4	Temporary shift in masked hearing thresholds of bottlenose dolphins,Tursiops truncatus, and white whales,Delphinapterus leucas, after exposure to intense tones. Journal of the Acoustical Society of America, 2000, 107, 3496-3508.	1.1	110
5	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
6	Temporary threshold shift in bottlenose dolphins (Tursiops truncatus) exposed to mid-frequency tones. Journal of the Acoustical Society of America, 2005, 118, 2696-2705.	1.1	91
7	Auditory and behavioral responses of bottlenose dolphins (Tursiops truncatus) and a beluga whale (Delphinapterus leucas) to impulsive sounds resembling distant signatures of underwater explosions. Journal of the Acoustical Society of America, 2000, 108, 417-431.	1.1	82
8	A comparison of underwater hearing sensitivity in bottlenose dolphins (Tursiops truncatus) determined by electrophysiological and behavioral methods. Journal of the Acoustical Society of America, 2006, 120, 1713-1722.	1.1	68
9	Comodulation masking release in bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2008, 124, 625-633.	1.1	64
10	Directional properties of bottlenose dolphin (Tursiops truncatus) clicks, burst-pulse, and whistle sounds. Journal of the Acoustical Society of America, 2012, 131, 1613-1621.	1.1	64
11	Comparison of in-air evoked potential and underwater behavioral hearing thresholds in four bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2006, 119, 3181-3192.	1.1	61
12	Assessing temporary threshold shift in a bottlenose dolphin (Tursiops truncatus) using multiple simultaneous auditory evoked potentials. Journal of the Acoustical Society of America, 2007, 122, 1249-1264.	1.1	60
13	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
14	Evoked potential audiometry of 13 Pacific bottlenose dolphins (Tursiops truncatus gilli). Marine Mammal Science, 2008, 24, 28-41.	1.8	55
15	Dolphin continuous auditory vigilance for five days. Journal of Experimental Biology, 2006, 209, 3621-3628.	1.7	51
16	High-resolution measurement of a bottlenose dolphin's (Tursiops truncatus) biosonar transmission beam pattern in the horizontal plane. Journal of the Acoustical Society of America, 2014, 136, 2025-2038.	1.1	48
17	Auditory filter shapes for the bottlenose dolphin (Tursiops truncatus) and the white whale (Delphinapterus leucas) derived with notched noise. Journal of the Acoustical Society of America, 2002, 112, 322-328.	1.1	47
18	Dolphin â€œpacketâ€•use during long-range echolocation tasks. Journal of the Acoustical Society of America, 2013, 133, 1796-1810.	1.1	46

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19	Underwater sound pressure variation and bottlenose dolphin (Tursiops truncatus) hearing thresholds in a small pool. Journal of the Acoustical Society of America, 2007, 122, 606-614.	1.1	45
20	The biosonar field around an Atlantic bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2012, 131, 569-576.	1.1	45
21	Killer whale (Orcinus orca) behavioral audiograms. Journal of the Acoustical Society of America, 2017, 141, 2387-2398.	1.1	45
22	The acoustic field on the forehead of echolocating Atlantic bottlenose dolphins (Tursiops) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.1	43
23	A review of the history, development and application of auditory weighting functions in humans and marine mammals. Journal of the Acoustical Society of America, 2017, 141, 1371-1413.	1.1	41
24	Auditory evoked potentials in a stranded Gervaisâ€™ beaked whale (Mesoplodon europaeus). Journal of the Acoustical Society of America, 2009, 126, 484-490.	1.1	40
25	Evoked response study tool: A portable, rugged system for single and multiple auditory evoked potential measurements. Journal of the Acoustical Society of America, 2009, 126, 491-500.	1.1	40
26	Growth and recovery of temporary threshold shift at 3 kHz in bottlenose dolphins: Experimental data and mathematical models. Journal of the Acoustical Society of America, 2010, 127, 3256-3266.	1.1	39
27	Dolphin biosonar signals measured at extreme off-axis angles: Insights to sound propagation in the head. Journal of the Acoustical Society of America, 2012, 132, 1199-1206.	1.1	39
28	Temporary threshold shift in a bottlenose dolphin (Tursiops truncatus) exposed to intermittent tones. Journal of the Acoustical Society of America, 2010, 127, 3267-3272.	1.1	38
29	Auditory masking patterns in bottlenose dolphins (Tursiops truncatus) with natural, anthropogenic, and synthesized noise. Journal of the Acoustical Society of America, 2013, 133, 1811-1818.	1.1	38
30	Auditory and behavioral responses of California sea lions (Zalophus californianus) to single underwater impulses from an arc-gap transducer. Journal of the Acoustical Society of America, 2003, 114, 1667-1677.	1.1	36
31	Pure tone audiograms and possible aminoglycoside-induced hearing loss in belugas (Delphinapterus) Tj ETQq1 1 0.784314 rgBT /Over	1.1	35
32	Dolphins maintain cognitive performance during 72 to 120 hours of continuous auditory vigilance. Journal of Experimental Biology, 2009, 212, 1519-1527.	1.7	34
33	Frequency-dependent and longitudinal changes in noise-induced hearing loss in a bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2010, 128, 567-570.	1.1	33
34	Subjective loudness level measurements and equal loudness contours in a bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2011, 130, 3124-3136.	1.1	32
35	Dolphins Can Maintain Vigilant Behavior through Echolocation for 15 Days without Interruption or Cognitive Impairment. PLoS ONE, 2012, 7, e47478.	2.5	31
36	Exposure amplitude and repetition affect bottlenose dolphin behavioral responses to simulated mid-frequency sonar signals. Journal of Experimental Marine Biology and Ecology, 2013, 443, 123-133.	1.5	30

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37	Effects of multiple impulses from a seismic air gun on bottlenose dolphin hearing and behavior. Journal of the Acoustical Society of America, 2015, 137, 1634-1646.	1.1	30
38	Effects of fatiguing tone frequency on temporary threshold shift in bottlenose dolphins (Tursiops) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	28
39	Underwater psychophysical audiogram of a young male California sea lion (Zalophus californianus). Journal of the Acoustical Society of America, 2012, 131, 4182-4187.	1.1	27
40	Auditory masking of a 10 kHz tone with environmental, comodulated, and Gaussian noise in bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2010, 128, 3799-3804.	1.1	25
41	Dolphin echolocation behaviour during active long-range target approaches. Journal of Experimental Biology, 2019, 222, .	1.7	25
42	Estimating bottlenose dolphin (Tursiops truncatus) hearing thresholds from single and multiple simultaneous auditory evoked potentials. Journal of the Acoustical Society of America, 2008, 123, 542-551.	1.1	23
43	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
44	Simultaneously measured behavioral and electrophysiological hearing thresholds in a bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2007, 122, 615-622.	1.1	22
45	California sea lion (Zalophus californianus) aerial hearing sensitivity measured using auditory steady-state response and psychophysical methods. Journal of the Acoustical Society of America, 2011, 129, 2298-2306.	1.1	22
46	Auditory evoked potentials in a bottlenose dolphin during moderate-range echolocation tasks. Journal of the Acoustical Society of America, 2013, 134, 4532-4547.	1.1	21
47	Place specificity of the click-evoked auditory brainstem response in the bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2016, 140, 2593-2602.	1.1	21
48	Bottlenose dolphin (Tursiops truncatus) 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
49	Modulation rate transfer functions in bottlenose dolphins (Tursiops truncatus) 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
50	Effects of vibratory pile driver noise on echolocation and vigilance in bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2018, 143, 429-439.	1.1	20
51	A method to enable a bottlenose dolphin (Tursiops truncatus) to echolocate while out of water. Journal of the Acoustical Society of America, 2010, 128, 1483-1489.	1.1	19
52	Auditory evoked potentials in two short-finned pilot whales (Globicephala macrorhynchus). Journal of the Acoustical Society of America, 2011, 129, 1111-1116.	1.1	18
53	Nearfield and farfield measurements of dolphin echolocation beam patterns: No evidence of focusing. Journal of the Acoustical Society of America, 2016, 140, 1346-1360.	1.1	18
54	Effects of dolphin hearing bandwidth on biosonar click emissions. Journal of the Acoustical Society of America, 2020, 148, 243-252.	1.1	18

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55	Measurement and Response Characteristics of Auditory Brainstem Responses in Pinnipeds. Aquatic Mammals, 2007, 33, 132-150.	0.7	18
56	Assessing auditory evoked potentials of wild harbor porpoises (Phocoena phocoena). Journal of the Acoustical Society of America, 2016, 140, 442-452.	1.1	16
57	Dolphin echo-delay resolution measured with a jittered-echo paradigm. Journal of the Acoustical Society of America, 2020, 148, 374-388.	1.1	15
58	Click-evoked potentials in a large marine mammal, the adult male northern elephant seal (Mirounga) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	14
59	Behavioral responses of California sea lions to mid-frequency (3250â€“3450ÂHz) sonar signals. Marine Environmental Research, 2013, 92, 268-278.	2.5	13
60	Jittered echo-delay resolution in bottlenose dolphins (Tursiops truncatus). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 125-137.	1.6	13
61	Low-frequency acoustic pressure, velocity, and intensity thresholds in a bottlenose dolphin (Tursiops) Tj ETQq1 1 0.784314 rgBT /Ove 2002, 111, 447-456.	1.1	12
62	Aerial audiograms of several California sea lions (Zalophus californianus) and Steller sea lions (Eumetopias jubatus) measured using single and multiple simultaneous auditory steady-state response methods. Journal of Experimental Biology, 2011, 214, 1138-1147.	1.7	12
63	Multi-echo processing by a bottlenose dolphin operating in â€œpacketâ€•transmission mode at long range. Journal of the Acoustical Society of America, 2014, 136, 2876-2886.	1.1	12
64	Interaural differences in the bottlenose dolphin (Tursiops truncatus) auditory nerve response to jawphone click stimuli. Journal of the Acoustical Society of America, 2014, 136, 1402-1409.	1.1	12
65	Spectral cues and temporal integration during cylinder echo discrimination by bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2020, 148, 614-626.	1.1	12
66	The effects of click rate on the auditory brainstem response of bottlenose dolphins. Journal of the Acoustical Society of America, 2017, 141, 3396-3406.	1.1	11
67	Conditioned attenuation of auditory brainstem responses in dolphins warned of an intense noise exposure: Temporal and spectral patterns. Journal of the Acoustical Society of America, 2018, 143, 795-810.	1.1	11
68	Effects of Noise on Sound Perception in Marine Mammals. Animal Signals and Communication, 2013, , 273-308.	0.8	11
69	In-Air Evoked Potential Audiometry of Grey Seals (Halichoerus grypus) from the North and Baltic Seas. PLoS ONE, 2014, 9, e90824.	2.5	10
70	Signal-to-noise ratio of auditory brainstem responses (ABRs) across click rate in the bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2019, 145, 1143-1151.	1.1	9
71	Classification of biosonar target echoes based on coarse and fine spectral features in the bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2020, 148, 1642-1646.	1.1	9
72	Dolphin and sea lion auditory evoked potentials in response to single and multiple swept amplitude tones. Journal of the Acoustical Society of America, 2011, 130, 1038-1048.	1.1	8

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73	Aerial hearing thresholds and detection of hearing loss in male California sea lions (Zalophus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	8
74	Bottlenose dolphin (Tursiops truncatus) auditory brainstem responses to frequency-modulated â€œchirpâ€•stimuli. Journal of the Acoustical Society of America, 2017, 142, 708-717.	1.1	8
75	Bottlenose dolphin (Tursiops truncatus) auditory brainstem responses recorded using conventional and randomized stimulation and averaging. Journal of the Acoustical Society of America, 2017, 142, 1034-1042.	1.1	8
76	Effects of noise burst rise time and level on bottlenose dolphin (Tursiops truncatus) auditory brainstem responses. Journal of the Acoustical Society of America, 2018, 143, 2914-2921.	1.1	8
77	Time and frequency metrics related to auditory masking of a 10â€‰kHz tone in bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2013, 134, 4556-4565.	1.1	7
78	Equal latency contours for bottlenose dolphins (Tursiops truncatus) and California sea lions (Zalophus californianus). Journal of the Acoustical Society of America, 2015, 138, 2678-2691.	1.1	7
79	The effects of click and masker spectrum on the auditory brainstem response of bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2016, 140, 2603-2613.	1.1	6
80	Neural representation of the self-heard biosonar click in bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2017, 141, 3379-3395.	1.1	6
81	Click reception in the harbor porpoise (Phocoena phocoena): Effects of electrode and contact transducer location on the auditory brainstem response. Journal of the Acoustical Society of America, 2018, 143, 2076-2084.	1.1	6
82	Effects of stimulus cosine onset properties on bottlenose dolphin (Tursiops truncatus) auditory brainstem responses. Journal of the Acoustical Society of America, 2019, 145, 2994-3002.	1.1	6
83	Conditioned attenuation of dolphin monaural and binaural auditory evoked potentials after preferential stimulation of one ear. Journal of the Acoustical Society of America, 2020, 147, 2302-2313.	1.1	6
84	Measuring auditory cortical responses in Tursiops truncatus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2021, 207, 629-640.	1.6	6
85	Variability in Click-Evoked Potentials in Killer Whales (Orcinus orca) and Determination of a Hearing Impairment in a Rehabilitated Killer Whale. Aquatic Mammals, 2016, 42, 184-192.	0.7	6
86	Short-term enhancement and suppression of dolphin auditory evoked responses following echolocation click emission. Journal of the Acoustical Society of America, 2016, 140, 296-307.	1.1	5
87	Comparison of maximum length sequence and randomized stimulation and averaging methods on the bottlenose dolphin auditory brainstem response. Journal of the Acoustical Society of America, 2018, 144, 308-318.	1.1	5
88	Frequency-modulated up-chirp stimuli enhance the auditory brainstem response of the killer whale (Orcinus orca). Journal of the Acoustical Society of America, 2019, 146, 289-296.	1.1	5
89	Role of the temporal window in dolphin auditory brainstem response onset. Journal of the Acoustical Society of America, 2020, 148, 3360-3371.	1.1	5
90	Middle- and Long-Latency Auditory Evoked Potentials in Bottlenose Dolphins (<I>Tursiops) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (	0.7	5

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91	Frequency and level dependent masking of the multiple auditory steady-state response in the bottlenose dolphin (Tursiops truncatus). Journal of the Acoustical Society of America, 2008, 123, 2928-2935.	1.1	4
92	Modified variance ratio for objective detection of transient evoked potentials in bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2008, 124, 4069-4082.	1.1	4
93	Offset auditory brainstem response (ABR) amplitude in bottlenose dolphins. Journal of the Acoustical Society of America, 2020, 148, 1445-1455.	1.1	4
94	Auditory brainstem responses during aerial testing with bottlenose dolphins (Tursiops truncatus): Effects of electrode and jawphone locations. Journal of the Acoustical Society of America, 2020, 147, 2525-2533.	1.1	4
95	Using the auditory steady-state response to assess temporal dynamics of hearing sensitivity during bottlenose dolphin echolocation. Journal of the Acoustical Society of America, 2013, 134, 3913-3917.	1.1	3
96	Non-auditory, electrophysiological potentials preceding dolphin biosonar click production. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 271-283.	1.6	3
97	Detection of simulated patterned echo packets by bottlenose dolphins (Tursiops truncatus). Journal of the Acoustical Society of America, 2020, 148, 1007-1013.	1.1	2
98	The offset auditory brainstem response in bottlenose dolphins (Tursiops truncatus): Evidence for multiple underlying processes. Journal of the Acoustical Society of America, 2021, 149, 3163-3173.	1.1	2
99	Auditory Effects of Underwater Noise in Odontocetes. Advances in Experimental Medicine and Biology, 2012, 730, 197-202.	1.6	2
100	Output compensation of auditory brainstem responses in dolphins and sea lions. Journal of the Acoustical Society of America, 2022, 151, 3070-3082.	1.1	2
101	Spatial acuity of the bottlenose dolphin (Tursiops truncatus) biosonar system with a bat and human comparison. Journal of the Acoustical Society of America, 2022, 151, 3847-3857.	1.1	2
102	Bottlenose dolphin(Tursiops truncatus)detection of simulated echoes from normal and time-reversed clicks. Journal of the Acoustical Society of America, 2013, 134, 4548-4555.	1.1	1
103	Auditory Effects of Multiple Impulses from a Seismic Air Gun on Bottlenose Dolphins (Tursiops) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	1
104	Auditory oddball responses in Tursiops truncatus. JASA Express Letters, 2021, 1, .	1.1	1
105	Controlled Exposure Study of Dolphins and Sea Lions to Midfrequency Sonarlike Signals. Advances in Experimental Medicine and Biology, 2012, 730, 269-272.	1.6	1
106	AUDITORY EFFECTS OF INTENSE SOUNDS ON ODONTOCETES: CONTINUOUS, INTERMITTENT, AND IMPULSIVE EXPOSURES. Bioacoustics, 2008, 17, 301-304.	1.7	0
107	Hearing Mechanisms and Noise Metrics Related to Auditory Masking in Bottlenose Dolphins (Tursiops) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	0
108	Stimulus bandwidth impact on auditory evoked potential thresholds and estimated upper-frequency limits of hearing in dolphins. Journal of the Acoustical Society of America, 2018, 144, 3575-3581.	1.1	0

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109	Dolphins maintain high echolocation vigilance for eight hours without primary (food) reinforcement. Journal of the Acoustical Society of America, 2018, 144, 660-666.	1.1	0
110	Bottlenose dolphin (Tursiops truncatus) discrimination of harmonic stimuli with range-dependent signal degradation. Journal of the Acoustical Society of America, 2018, 143, 3434-3443.	1.1	0
111	Risk Functions of Dolphins and Sea Lions Exposed to Sonar Signals. Advances in Experimental Medicine and Biology, 2016, 875, 473-478.	1.6	0
112	Using Reaction Time and Equal Latency Contours to Derive Auditory Weighting Functions in Sea Lions and Dolphins. Advances in Experimental Medicine and Biology, 2016, 875, 281-287.	1.6	0
113	Auditory Discrimination of Natural and High-Pass Filtered Bark Vocalizations in a California Sea Lion (Zalophus californianus). Advances in Experimental Medicine and Biology, 2016, 875, 737-742.	1.6	0
114	10.1121/10.0001626.1. , 2020, , .		0