

James J Finneran

List of Publications by Year in descending order

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114
papers

3,609
citations

126708

33
h-index

149479

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. <i>Aquatic Mammals</i> , 2019, 45, 125-232.	0.4	252
2	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.	0.5	129
3	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.	0.5	113
4	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.	0.5	110
5	Variation in the hearing sensitivity of a dolphin population determined through the use of evoked potential audiometry. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 4090-4099.	0.5	101
6	Temporary threshold shift in bottlenose dolphins (<i>Tursiops truncatus</i>) exposed to mid-frequency tones. <i>Journal of the Acoustical Society of America</i> , 2005, 118, 2696-2705.	0.5	91
7	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.	0.5	82
8	A comparison of underwater hearing sensitivity in bottlenose dolphins (<i>Tursiops truncatus</i>) determined by electrophysiological and behavioral methods. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 1713-1722.	0.5	68
9	Comodulation masking release in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2008, 124, 625-633.	0.5	64
10	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.	0.5	64
11	Comparison of in-air evoked potential and underwater behavioral hearing thresholds in four bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2006, 119, 3181-3192.	0.5	61
12	Assessing temporary threshold shift in a bottlenose dolphin (<i>Tursiops truncatus</i>) using multiple simultaneous auditory evoked potentials. <i>Journal of the Acoustical Society of America</i> , 2007, 122, 1249-1264.	0.5	60
13	Beaked whale auditory evoked potential hearing measurements. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2006, 192, 489-495.	0.7	58
14	Evoked potential audiometry of 13 Pacific bottlenose dolphins (<i>Tursiops truncatus gilli</i>). <i>Marine Mammal Science</i> , 2008, 24, 28-41.	0.9	55
15	Dolphin continuous auditory vigilance for five days. <i>Journal of Experimental Biology</i> , 2006, 209, 3621-3628.	0.8	51
16	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.	0.5	48
17	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.	0.5	47
18	Dolphin eye use during long-range echolocation tasks. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 1796-1810.	0.5	46

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19	Underwater sound pressure variation and bottlenose dolphin (<i>Tursiops truncatus</i>) hearing thresholds in a small pool. <i>Journal of the Acoustical Society of America</i> , 2007, 122, 606-614.	0.5	45
20	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.	0.5	45
21	Killer whale (<i>Orcinus orca</i>) behavioral audiograms. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 2387-2398.	0.5	45
22	The acoustic field on the forehead of echolocating Atlantic bottlenose dolphins (<i>Tursiops</i>)	0.5	43
23	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.	0.5	41
24	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.	0.5	40
25	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.	0.5	40
26	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.	0.5	39
27	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.	0.5	39
28	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.	0.5	38
29	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.	0.5	38
30	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.	0.5	36
31	Pure tone audiograms and possible aminoglycoside-induced hearing loss in belugas (<i>Delphinapterus</i>)	0.5	35
32	Dolphins maintain cognitive performance during 72 to 120 hours of continuous auditory vigilance. <i>Journal of Experimental Biology</i> , 2009, 212, 1519-1527.	0.8	34
33	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.	0.5	33
34	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.	0.5	32
35	Dolphins Can Maintain Vigilant Behavior through Echolocation for 15 Days without Interruption or Cognitive Impairment. <i>PLoS ONE</i> , 2012, 7, e47478.	1.1	31
36	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.	0.7	30

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37	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.	0.5	30
38	Effects of fatiguing tone frequency on temporary threshold shift in bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2015, 137, 1634-1646.	0.5	28
39	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.	0.5	27
40	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.	0.5	25
41	Dolphin echolocation behaviour during active long-range target approaches. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	25
42	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.	0.5	23
43	Objective Detection of Bottlenose Dolphin (<i>Tursiops truncatus</i>) Steady-State Auditory Evoked Potentials in Response to AM/FM Tones. <i>Aquatic Mammals</i> , 2007, 33, 43-54.	0.4	23
44	Simultaneously measured behavioral and electrophysiological hearing thresholds in a bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2007, 122, 615-622.	0.5	22
45	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.	0.5	22
46	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.	0.5	21
47	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.	0.5	21
48	Bottlenose dolphin (<i>Tursiops truncatus</i>) steady-state evoked responses to multiple simultaneous sinusoidal amplitude modulated tones. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 1775-1782.	0.5	20
49	Modulation rate transfer functions in bottlenose dolphins (<i>Tursiops truncatus</i>) with normal hearing and high-frequency hearing loss. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 835-843.	0.7	20
50	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.	0.5	20
51	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.	0.5	19
52	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.	0.5	18
53	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.	0.5	18
54	Effects of dolphin hearing bandwidth on biosonar click emissions. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 243-252.	0.5	18

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55	Measurement and Response Characteristics of Auditory Brainstem Responses in Pinnipeds. <i>Aquatic Mammals</i> , 2007, 33, 132-150.	0.4	18
56	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.	0.5	16
57	Dolphin echo-delay resolution measured with a jittered-echo paradigm. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 374-388.	0.5	15
58	Click-evoked potentials in a large marine mammal, the adult male northern elephant seal (<i>Mirounga</i>). <i>Journal of the Acoustical Society of America</i> , 2014, 136, 1402-1409.	0.5	14
59	Behavioral responses of California sea lions to mid-frequency (3250-3450 Hz) sonar signals. <i>Marine Environmental Research</i> , 2013, 92, 268-278.	1.1	13
60	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.	0.7	13
61	Low-frequency acoustic pressure, velocity, and intensity thresholds in a bottlenose dolphin (<i>Tursiops</i>). <i>Journal of the Acoustical Society of America</i> , 2002, 111, 447-456.	0.5	12
62	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.	0.8	12
63	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.	0.5	12
64	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.	0.5	12
65	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.	0.5	12
66	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.	0.5	11
67	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.	0.5	11
68	Effects of Noise on Sound Perception in Marine Mammals. <i>Animal Signals and Communication</i> , 2013, , 273-308.	0.4	11
69	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.	1.1	10
70	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.	0.5	9
71	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.	0.5	9
72	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.	0.5	8

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73	Aerial hearing thresholds and detection of hearing loss in male California sea lions (<i>Zalophus</i>). <i>Journal of the Acoustical Society of America</i> , 2017, 142, 708-717.	0.9	10
74	Bottlenose dolphin (<i>Tursiops truncatus</i>) auditory brainstem responses to frequency-modulated up-chirp stimuli. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 708-717.	0.5	8
75	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.	0.5	8
76	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.	0.5	8
77	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.	0.5	7
78	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.	0.5	7
79	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.	0.5	6
80	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.	0.5	6
81	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.	0.5	6
82	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.	0.5	6
83	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.	0.5	6
84	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.	0.7	6
85	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.	0.4	6
86	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.	0.5	5
87	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.	0.5	5
88	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.	0.5	5
89	Role of the temporal window in dolphin auditory brainstem response onset. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 3360-3371.	0.5	5
90	Middle- and Long-Latency Auditory Evoked Potentials in Bottlenose Dolphins (<i>Tursiops</i>). <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3379-3395.	0.4	5

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91	Frequency and level dependent masking of the multiple auditory steady-state response in the bottlenose dolphin (<i>Tursiops truncatus</i>). Journal of the Acoustical Society of America, 2008, 123, 2928-2935.	0.5	4
92	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.	0.5	4
93	Offset auditory brainstem response (ABR) amplitude in bottlenose dolphins. Journal of the Acoustical Society of America, 2020, 148, 1445-1455.	0.5	4
94	Auditory brainstem responses during aerial testing with bottlenose dolphins (<i>Tursiops truncatus</i>): Effects of electrode and jawphone locations. Journal of the Acoustical Society of America, 2020, 147, 2525-2533.	0.5	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.	0.5	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.	0.7	3
97	Detection of simulated patterned echo packets by bottlenose dolphins (<i>Tursiops truncatus</i>). Journal of the Acoustical Society of America, 2020, 148, 1007-1013.	0.5	2
98	The offset auditory brainstem response in bottlenose dolphins (<i>Tursiops truncatus</i>): Evidence for multiple underlying processes. Journal of the Acoustical Society of America, 2021, 149, 3163-3173.	0.5	2
99	Auditory Effects of Underwater Noise in Odontocetes. Advances in Experimental Medicine and Biology, 2012, 730, 197-202.	0.8	2
100	Output compensation of auditory brainstem responses in dolphins and sea lions. Journal of the Acoustical Society of America, 2022, 151, 3070-3082.	0.5	2
101	Spatial acuity of the bottlenose dolphin (<i>Tursiops truncatus</i>) biosonar system with a bat and human comparison. Journal of the Acoustical Society of America, 2022, 151, 3847-3857.	0.5	2
102	Bottlenose dolphin (<i>Tursiops truncatus</i>) detection of simulated echoes from normal and time-reversed clicks. Journal of the Acoustical Society of America, 2013, 134, 4548-4555.	0.5	1
103	Auditory Effects of Multiple Impulses from a Seismic Air Gun on Bottlenose Dolphins (<i>Tursiops</i>) Tj ETQq1 1 0.784314 rgBT /Oylock 1	0.8	1
104	Auditory oddball responses in <i>Tursiops truncatus</i> . JASA Express Letters, 2021, 1, .	0.5	1
105	Controlled Exposure Study of Dolphins and Sea Lions to Midfrequency Sonarlike Signals. Advances in Experimental Medicine and Biology, 2012, 730, 269-272.	0.8	1
106	AUDITORY EFFECTS OF INTENSE SOUNDS ON ODONTOCETES: CONTINUOUS, INTERMITTENT, AND IMPULSIVE EXPOSURES. Bioacoustics, 2008, 17, 301-304.	0.7	0
107	Hearing Mechanisms and Noise Metrics Related to Auditory Masking in Bottlenose Dolphins (<i>Tursiops</i>) Tj ETQq1 1 0.784314 rgBT /Oylock 1	0.8	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.	0.5	0

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109	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.	0.5	0
110	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.	0.5	0
111	Risk Functions of Dolphins and Sea Lions Exposed to Sonar Signals. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 473-478.	0.8	0
112	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.	0.8	0
113	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.	0.8	0
114	10.1121/10.0001626.1., 2020, , .		0