

# Ronald A Kastelein

## List of Publications by Year in descending order

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77  
papers

1,798  
citations

279487

23  
h-index

288905

40  
g-index

77  
all docs

77  
docs citations

77  
times ranked

805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmission beam pattern and echolocation signals of a harbor porpoise ( <i>Phocoena phocoena</i> ). Journal of the Acoustical Society of America, 1999, 106, 3699-3705.	0.5	181
2	Audiogram of a harbor porpoise ( <i>Phocoena phocoena</i> ) measured with narrow-band frequency-modulated signals. Journal of the Acoustical Society of America, 2002, 112, 334-344.	0.5	156
3	The effect of signal duration on the underwater detection thresholds of a harbor porpoise ( <i>Phocoena phocoena</i> ) for single frequency-modulated tonal signals between 0.25 and 160 kHz. Journal of the Acoustical Society of America, 2010, 128, 3211-3222.	0.5	97
4	Startle response of captive North Sea fish species to underwater tones between 0.1 and 64kHz. Marine Environmental Research, 2008, 65, 369-377.	1.1	69
5	Low-frequency underwater hearing sensitivity in belugas, <i>Delphinapterus leucas</i> . Journal of the Acoustical Society of America, 1988, 84, 2273-2275.	0.5	63
6	Underwater detection of tonal signals between 0.125 and 100kHz by harbor seals ( <i>Phoca</i> )	0.5	56
7	Temporary threshold shifts and recovery in a harbor porpoise ( <i>Phocoena phocoena</i> ) after octave-band noise at 4kHz. Journal of the Acoustical Society of America, 2012, 132, 3525-3537.	0.5	54
8	Receiving beam patterns in the horizontal plane of a harbor porpoise ( <i>Phocoena phocoena</i> ). Journal of the Acoustical Society of America, 2005, 118, 1172-1179.	0.5	48
9	Audiogram of a striped dolphin ( <i>Stenella coeruleoalba</i> ). Journal of the Acoustical Society of America, 2003, 113, 1130-1137.	0.5	47
10	Hearing frequency thresholds of harbor porpoises ( <i>Phocoena phocoena</i> ) temporarily affected by played back offshore pile driving sounds. Journal of the Acoustical Society of America, 2015, 137, 556-564.	0.5	46
11	Critical ratios in harbor porpoises ( <i>Phocoena phocoena</i> ) for tonal signals between 0.315 and 150 kHz in random Gaussian white noise. Journal of the Acoustical Society of America, 2009, 126, 1588-1597.	0.5	45
12	Underwater hearing sensitivity of harbor seals ( <i>Phoca vitulina</i> ) for narrow noise bands between 0.2 and 80 kHz. Journal of the Acoustical Society of America, 2009, 126, 476-483.	0.5	39
13	Behavior and blood catecholamines of captive belugas during playbacks of noise from an oil drilling platform. Zoo Biology, 1990, 9, 393-402.	0.5	38
14	Frequency of greatest temporary hearing threshold shift in harbor porpoises ( <i>Phocoena</i> )	0.5	38
15	Effects of acoustic alarms, designed to reduce small cetacean bycatch in gillnet fisheries, on the behaviour of North Sea fish species in a large tank. Marine Environmental Research, 2007, 64, 160-180.	1.1	37
16	The effect of signal duration on the underwater hearing thresholds of two harbor seals ( <i>Phoca</i> )	0.5	37
17	Behavioral responses of a harbor porpoise ( <i>Phocoena phocoena</i> ) to playbacks of broadband pile driving sounds. Marine Environmental Research, 2013, 92, 206-214.	1.1	35
18	Effect of level, duration, and inter-pulse interval of 12kHz sonar signal exposures on harbor porpoise hearing. Journal of the Acoustical Society of America, 2014, 136, 412-422.	0.5	35

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19	Pile driving playback sounds and temporary threshold shift in harbor porpoises ( <i>Phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2006, 119, 2842-2851.	0.784314	35
20	Deterring effects of 8â€“45kHz tone pulses on harbour seals ( <i>Phoca vitulina</i> ) in a large pool. <i>Marine Environmental Research</i> , 2006, 62, 356-373.	1.1	32
21	Hearing threshold shifts and recovery in harbor seals ( <i>Phoca vitulina</i> ) after octave-band noise exposure at 4â€“%kHz. <i>Journal of the Acoustical Society of America</i> , 2012, 132, 2745-2761.	0.5	32
22	Comparative temporary threshold shifts in a harbor porpoise and harbor seal, and severe shift in a seal. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 13-16.	0.5	31
23	Equal latency contours and auditory weighting functions for the harbour porpoise ( <i>Phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1006-1010.	0.784314	24
24	Hearing thresholds of a male and a female harbor porpoise ( <i>Phocoena phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1006-1010.	0.5	24
25	Effects of exposure to intermittent and continuous 6â€“7 kHz sonar sweeps on harbor porpoise ( <i>Phocoena phocoena</i> ) hearing. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 1623-1633.	0.5	22
26	Temporary hearing threshold shift in a harbor porpoise ( <i>Phocoena phocoena</i> ) after exposure to multiple airgun sounds. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 2430-2442.	0.5	22
27	Four odontocete species change hearing levels when warned of impending loud sound. <i>Integrative Zoology</i> , 2018, 13, 160-165.	1.3	22
28	Behavioral avoidance threshold level of a harbor porpoise ( <i>Phocoena phocoena</i> ) for a continuous 50kHz pure tone. <i>Journal of the Acoustical Society of America</i> , 2008, 123, 1858-1861.	0.5	19
29	Hearing frequency thresholds of a harbor porpoise ( <i>Phocoena phocoena</i> ) temporarily affected by a continuous 1.5â€“%kHz tone. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 2286-2292.	0.5	19
30	Effect of pile-driving sounds on harbor seal ( <i>Phoca vitulina</i> ) hearing. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 3583-3594.	0.5	19
31	Threshold received sound pressure levels of single 1â€“2 kHz and 6â€“7 kHz up-sweeps and down-sweeps causing startle responses in a harbor porpoise ( <i>Phocoena phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2012, 131, 2325-2333.	0.5	18
32	The influence of 70 and 120kHz tonal signals on the behavior of harbor porpoises ( <i>Phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1006-1010.	1.1	17
33	Effect of broadband-noise masking on the behavioral response of a harbor porpoise ( <i>Phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1006-1010.	0.784314	17
34	Hearing thresholds, for underwater sounds, of harbor seals ( <i>Phoca vitulina</i> ) at the water surface. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 2554-2563.	0.5	15
35	The influence of signal parameters on the sound source localization ability of a harbor porpoise ( <i>Phocoena phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2007, 122, 1238-1248.	0.5	14
36	Conditioned hearing sensitivity change in the harbor porpoise ( <i>Phocoena phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2016, 140, 960-967.	0.5	14

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37	Frequency of greatest temporary hearing threshold shift in harbor seals ( <i>Phoca vitulina</i> ) depends on fatiguing sound level. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 1353-1362.	0.5	14
38	Effect of Two Levels of Masking Noise on the Hearing Threshold of a Harbor Porpoise ( <i>Phocoena phocoena</i> ) for a 4.0 kHz Signal. <i>Aquatic Mammals</i> , 2008, 34, 420-425.	0.4	14
39	Underwater hearing sensitivity of a male and a female Steller sea lion ( <i>Eumetopias jubatus</i> ). <i>Journal of the Acoustical Society of America</i> , 2005, 118, 1820-1829.	0.5	13
40	The influence of underwater data transmission sounds on the displacement behaviour of captive harbour seals ( <i>Phoca vitulina</i> ). <i>Marine Environmental Research</i> , 2006, 61, 19-39.	1.1	13
41	EFFECTS OF VIBRATIONS ON THE BEHAVIOUR OF COCKLES (BIVALVE MOLLUSCS). <i>Bioacoustics</i> , 2008, 17, 74-75.	0.7	12
42	Near-threshold equal-loudness contours for harbor seals ( <i>Phoca vitulina</i> ) derived from reaction times during underwater audiometry: A preliminary study. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 488-495.	0.5	12
43	Hearing thresholds of two harbor seals ( <i>Phoca vitulina</i> ) for playbacks of multiple pile driving strike sounds. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 2307-2312.	0.5	12
44	Feeding enrichment methods for Pacific walrus calves. <i>Zoo Biology</i> , 2007, 26, 175-186.	0.5	10
45	Hearing thresholds of a harbor porpoise ( <i>Phocoena phocoena</i> ) for sweeps (1-2 kHz and 6-7 kHz bands) mimicking naval sonar signals. <i>Journal of the Acoustical Society of America</i> , 2011, 129, 3393-3399.	0.5	10
46	The hearing threshold of a harbor porpoise ( <i>Phocoena phocoena</i> ) for impulsive sounds (L). <i>Journal of the Acoustical Society of America</i> , 2012, 132, 607-610.	0.5	10
47	Hearing thresholds of a harbor porpoise ( <i>Phocoena phocoena</i> ) for narrow-band sweeps. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 2508-2512.	0.5	10
48	Acoustic dose-behavioral response relationship in sea bass ( <i>Dicentrarchus labrax</i> ) exposed to playbacks of pile driving sounds. <i>Marine Environmental Research</i> , 2017, 130, 315-324.	1.1	10
49	Number and duration of echolocation click trains produced by a harbor porpoise ( <i>Phocoena</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2008, 124, 40-43.	0.5	9
50	Hearing thresholds of a harbor porpoise ( <i>Phocoena phocoena</i> ) for playbacks of multiple pile driving strike sounds. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 2302-2306.	0.5	9
51	Effect of Series of 1 to 2 kHz and 6 to 7 kHz Up-Sweeps and Down-Sweeps on the Behavior of a Harbor Porpoise ( <i>Phocoena phocoena</i> ). <i>Aquatic Mammals</i> , 2014, 40, 232-242.	0.4	9
52	Hearing thresholds of harbor seals ( <i>Phoca vitulina</i> ) for playbacks of seal scarer signals, and effects of the signals on behavior. <i>Hydrobiologia</i> , 2015, 756, 75-88.	1.0	9
53	Temporary hearing threshold shift in harbor seals ( <i>Phoca vitulina</i> ) due to a one-sixth-octave noise band centered at 16 kHz. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 3113-3122.	0.5	9
54	Behavioral Responses of a Harbor Porpoise ( <i>Phocoena phocoena</i> ) to 25-kHz FM Sonar Signals. <i>Aquatic Mammals</i> , 2015, 41, 311-326.	0.4	9

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55	Temporary Hearing Threshold Shift in Harbor Porpoises ( <i>Phocoena phocoena</i> ) Due to One-Sixth Octave Noise Band at 16 kHz. <i>Aquatic Mammals</i> , 2019, 45, 280-292.	0.4	9
56	Hearing thresholds of a harbor porpoise ( <i>Phocoena phocoena</i> ) for helicopter dipping sonar signals (1.43–1.33 kHz) (L). <i>Journal of the Acoustical Society of America</i> , 2011, 130, 679-682.	0.5	8
57	Temporary hearing threshold shift in harbor seals ( <i>Phoca vitulina</i> ) due to a one-sixth-octave noise band centered at 40 kHz. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1966-1976.	0.5	8
58	Hearing thresholds of a harbor porpoise ( <i>Phocoena phocoena</i> ) for playbacks of seal scarer signals, and effects of the signals on behavior. <i>Hydrobiologia</i> , 2015, 756, 89-103.	1.0	7
59	Effects of exposure to sonar playback sounds (3.5 – 4.1 kHz) on harbor porpoise ( <i>Phocoena</i> )	0.5	7
60	Spatial avoidance to experimental increase of intermittent and continuous sound in two captive harbour porpoises. <i>Environmental Pollution</i> , 2018, 233, 1024-1036.	3.7	7
61	Lack of reproducibility of temporary hearing threshold shifts in a harbor porpoise after exposure to repeated airgun sounds. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 556-565.	0.5	7
62	Temporary hearing threshold shift in harbor seals ( <i>Phoca vitulina</i> ) due to a one-sixth-octave noise band centered at 32 kHz. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1885-1896.	0.5	7
63	Brief Behavioral Response Threshold Level of a Harbor Porpoise ( <i>Phocoena phocoena</i> ) to an Impulsive Sound. <i>Aquatic Mammals</i> , 2013, 39, 315-323.	0.4	5
64	Temporary hearing threshold shift in harbor seals ( <i>Phoca vitulina</i> ) due to one-sixth-octave noise bands centered at 0.5, 1, and 2 kHz. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 3873-3885.	0.5	5
65	Behavior and body mass changes of a mother and calf Pacific walrus ( <i>Odobenus rosmarus</i> )	0.5	3
66	Masking release at 4 kHz in harbor porpoises ( <i>Phocoena phocoena</i> ) associated with sinusoidal amplitude-modulated masking noise. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 1721-1732.	0.5	3
67	Cumulative Effects of Exposure to Continuous and Intermittent Sounds on Temporary Hearing Threshold Shifts Induced in a Harbor Porpoise ( <i>Phocoena phocoena</i> ). <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 523-528.	0.8	3
68	ACOUSTIC DOSE-RESPONSE EFFECTS IN MARINE FISH. <i>Bioacoustics</i> , 2008, 17, 201-202.	0.7	2
69	Behavioral Responses of a Harbor Porpoise ( <i>Phocoena phocoena</i> ) Depend on the Frequency Content of Pile-Driving Sounds. <i>Aquatic Mammals</i> , 2022, 48, 97-109.	0.4	2
70	Noise Impact on European Sea Bass Behavior: Temporal Structure Matters. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 763-766.	0.8	1
71	Acoustic reflectivity of a harbor porpoise ( <i>Phocoena phocoena</i> ). <i>Journal of the Acoustical Society of America</i> , 2019, 146, 2475-2481.	0.5	1
72	Underwater Equal-Latency Contours of a Harbor Porpoise ( <i>Phocoena phocoena</i> ) for Tonal Signals Between 0.5 and 125 kHz. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 1223-1228.	0.8	1

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73	Temporary Hearing Threshold Shift in California Sea Lions ( <i>Zalophus californianus</i> ) Due to One-Sixth-Octave Noise Bands Centered at 8 and 16 kHz: Effect of Duty Cycle and Testing the Equal-Energy Hypothesis. <i>Aquatic Mammals</i> , 2022, 48, 36-58.	0.4	1
74	Impacts of Anthropogenic Sounds on <i>Phocoena phocoena</i> (Harbor Porpoise). <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 311-315.	0.8	0
75	White-Beaked Dolphins ( <i>Lagenorhynchus albirostris</i> ) Cooperating with Humans and Showing Altruism Toward Harbor Porpoises ( <i>Phocoena phocoena</i> ). <i>Aquatic Mammals</i> , 2022, 48, 75-82.	0.4	0
76	Temporary Hearing Threshold Shift in California Sea Lions ( <i>Zalophus californianus</i> ) Due to One-Sixth-Octave Noise Bands Centered at 0.6 and 1 kHz. <i>Aquatic Mammals</i> , 2022, 48, 248-265.	0.4	0
77	Behavioral, Pathomorphological, and Clinical Observations of a Young Harbor Porpoise ( <i>Phocoena</i> )	0.4	0