

Thomas K Doyle

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

3,788
citations

159525

30
h-index

128225

60
g-index

66
all docs

66
docs citations

66
times ranked

4161
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental context explains Lévy and Brownian movement patterns of marine predators. <i>Nature</i> , 2010, 465, 1066-1069.	13.7	746
2	Global spatial risk assessment of sharks under the footprint of fisheries. <i>Nature</i> , 2019, 572, 461-466.	13.7	254
3	The energy density of jellyfish: Estimates from bomb-calorimetry and proximate-composition. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 343, 239-252.	0.7	181
4	JELLYFISH AGGREGATIONS AND LEATHERBACK TURTLE FORAGING PATTERNS IN A TEMPERATE COASTAL ENVIRONMENT. <i>Ecology</i> , 2006, 87, 1967-1972.	1.5	173
5	A Paradigm Shift in the Trophic Importance of Jellyfish?. <i>Trends in Ecology and Evolution</i> , 2018, 33, 874-884.	4.2	160
6	Widespread occurrence of the jellyfish <i>Pelagia noctiluca</i> in Irish coastal and shelf waters. <i>Journal of Plankton Research</i> , 2008, 30, 963-968.	0.8	136
7	Exploring public views on marine litter in Europe: Perceived causes, consequences and pathways to change. <i>Marine Pollution Bulletin</i> , 2018, 133, 945-955.	2.3	136
8	High activity and Lévy searches: jellyfish can search the water column like fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 465-473.	1.2	111
9	Have jellyfish in the Irish Sea benefited from climate change and overfishing?. <i>Global Change Biology</i> , 2011, 17, 767-782.	4.2	109
10	The biology and ecology of the ocean sunfish <i>Mola mola</i> : a review of current knowledge and future research perspectives. <i>Reviews in Fish Biology and Fisheries</i> , 2010, 20, 471-487.	2.4	98
11	The broad-scale distribution of five jellyfish species across a temperate coastal environment. <i>Hydrobiologia</i> , 2007, 579, 29-39.	1.0	97
12	Frequency of Microplastics in Mesopelagic Fishes from the Northwest Atlantic. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	95
13	Microplastic Ingestion by Gelatinous Zooplankton May Lower Efficiency of the Biological Pump. <i>Environmental Science & Technology</i> , 2019, 53, 5387-5395.	4.6	92
14	Enhancing public awareness and promoting co-responsibility for marine litter in Europe: The challenge of MARLISCO. <i>Marine Pollution Bulletin</i> , 2016, 102, 309-315.	2.3	85
15	Developing a simple, rapid method for identifying and monitoring jellyfish aggregations from the air. <i>Marine Ecology - Progress Series</i> , 2006, 314, 159-170.	0.9	80
16	Monitoring marine populations and communities: methods dealing with imperfect detectability. <i>Aquatic Biology</i> , 2012, 16, 31-52.	0.5	76
17	Satellite tracking of the World's largest bony fish, the ocean sunfish (<i>Mola mola</i> L.) in the North East Atlantic. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 370, 127-133.	0.7	75
18	Gill disorders in marine-farmed salmon: investigating the role of hydrozoan jellyfish. <i>Aquaculture Environment Interactions</i> , 2011, 1, 245-257.	0.7	68

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19	Leatherback turtles satellite-tagged in European waters. <i>Endangered Species Research</i> , 2008, 4, 23-31.	1.2	66
20	Gill Damage to Atlantic Salmon (<i>Salmo salar</i>) Caused by the Common Jellyfish (<i>Aurelia aurita</i>) under Experimental Challenge. <i>PLoS ONE</i> , 2011, 6, e18529.	1.1	65
21	The role of infrequent and extraordinary deep dives in leatherback turtles (<i>Dermochelys coriacea</i>). <i>Journal of Experimental Biology</i> , 2008, 211, 2566-2575.	0.8	59
22	Identification of genetically and oceanographically distinct blooms of jellyfish. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120920.	1.5	54
23	Ecological and Societal Benefits of Jellyfish. , 2014, , 105-127.		48
24	Global patterns of epipelagic gelatinous zooplankton biomass. <i>Marine Biology</i> , 2011, 158, 2429-2436.	0.7	47
25	Jellyfish Impacts on Marine Aquaculture and Fisheries. <i>Reviews in Fisheries Science and Aquaculture</i> , 2021, 29, 242-259.	5.1	46
26	Stranding events provide indirect insights into the seasonality and persistence of jellyfish medusae (Cnidaria: Scyphozoa). <i>Hydrobiologia</i> , 2007, 589, 1-13.	1.0	42
27	The ocean sunfish <i>Mola mola</i> : insights into distribution, abundance and behaviour in the Irish and Celtic Seas. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2006, 86, 1237-1243.	0.4	41
28	Diving behaviour of jellyfish equipped with electronic tags. <i>Journal of Plankton Research</i> , 2007, 30, 325-331.	0.8	36
29	Fat head: an analysis of head and neck insulation in the leatherback turtle (<i>Dermochelys</i>)	0.8	35
30	Transatlantic migration by post-breeding puffins: a strategy to exploit a temporarily abundant food resource?. <i>Marine Biology</i> , 2013, 160, 2755-2762.	0.7	34
31	Fisheries bycatch data provide insights into the distribution of the mauve stinger (<i>Pelagia noctiluca</i>) around Ireland. <i>ICES Journal of Marine Science</i> , 2011, 68, 436-443.	1.2	33
32	Digestion and predation rates of zooplankton by the pleustonic hydrozoan <i>Velella velella</i> and widespread blooms in 2013 and 2014. <i>Journal of Plankton Research</i> , 2015, 37, 1056-1067.	0.8	30
33	Large-scale sampling reveals the spatio-temporal distributions of the jellyfish <i>Aurelia aurita</i> and <i>Cyanea capillata</i> in the Irish Sea. <i>Marine Biology</i> , 2011, 158, 2639-2652.	0.7	27
34	Pleated turtle escapes the box “ shape changes in <i>Dermochelys coriacea</i> . <i>Journal of Experimental Biology</i> , 2011, 214, 3474-3479.	0.8	26
35	Foods of <i>Velella velella</i> (Cnidaria: Hydrozoa) in algal rafts and its distribution in Irish seas. <i>Hydrobiologia</i> , 2012, 690, 47-55.	1.0	24
36	Inclusion of jellyfish in 30+ years of Ecopath with Ecosim models. <i>ICES Journal of Marine Science</i> , 2019, 76, 1941-1950.	1.2	19

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37	Tracking leatherback turtles (<i>Dermochelys coriacea</i>) during consecutive inter-nesting intervals: Further support for direct transmitter attachment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 377, 68-75.	0.7	18
38	Ecosystem relevance of variable jellyfish biomass in the Irish Sea between years, regions and water types. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 149, 302-312.	0.9	18
39	Assessing the Efficacy of First-Aid Measures in <i>Physalia</i> sp. Envenomation, Using Solution- and Blood Agarose-Based Models. <i>Toxins</i> , 2017, 9, 149.	1.5	17
40	Ontogenetic changes in tracheal structure facilitate deep dives and cold water foraging in adult leatherback sea turtles. <i>Journal of Experimental Biology</i> , 2009, 212, 3440-3447.	0.8	16
41	Localised residency and inter-annual fidelity to coastal foraging areas may place sea bass at risk to local depletion. <i>Scientific Reports</i> , 2017, 7, 45841.	1.6	16
42	Opening and closing mechanisms of the leatherback sea turtle larynx: a crucial role for the tongue. <i>Journal of Experimental Biology</i> , 2010, 213, 4137-4145.	0.8	14
43	Bioinspired Aryldiazonium Carbohydrate Coatings: Reduced Adhesion of Foulants at Polymer and Stainless Steel Surfaces in a Marine Environment. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1141-1151.	3.2	14
44	Using tagging data and aerial surveys to incorporate availability bias in the abundance estimation of blue sharks (<i>Prionace glauca</i>). <i>PLoS ONE</i> , 2018, 13, e0203122.	1.1	14
45	Distinct gelatinous zooplankton communities across a dynamic shelf sea. <i>Limnology and Oceanography</i> , 2019, 64, 1802-1818.	1.6	14
46	Identification of jellyfish from Continuous Plankton Recorder samples. <i>Hydrobiologia</i> , 2010, 645, 193-201.	1.0	13
47	A dawn peak in the occurrence of "knifing behaviour" in blue sharks. <i>Animal Biotelemetry</i> , 2015, 3, .	0.8	13
48	Evaluation of <i>Cyanea capillata</i> Sting Management Protocols Using Ex Vivo and In Vitro Envenomation Models. <i>Toxins</i> , 2017, 9, 215.	1.5	13
49	Insights on the origin and drift trajectories of Portuguese man of war (<i>Physalia physalis</i>) over the Celtic Sea shelf area. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 246, 107033.	0.9	12
50	Field and flume tank experiments investigating the efficacy of a bubble curtain to keep harmful jellyfish out of finfish pens. <i>Aquaculture</i> , 2021, 531, 735915.	1.7	12
51	Harnessing the Sun: Testing a Novel Attachment Method to Record Fine Scale Movements in Ocean Sunfish (<i>Mola mola</i>). <i>Reviews: Methods and Technologies in Fish Biology and Fisheries</i> , 2009, , 229-242.	0.6	10
52	First observations of the freshwater jellyfish <i>Craspedacusta sowerbii</i> Lankester, 1880 in Ireland coincides with unusually high water temperatures. <i>BioInvasions Records</i> , 2016, 5, 67-74.	0.4	8
53	Aircraft give a new view of jellyfish behaviour. <i>Nature</i> , 2003, 426, 383-383.	13.7	7
54	High-resolution genetic analysis reveals extensive gene flow within the jellyfish <i>Pelagia noctiluca</i> (Scyphozoa) in the North Atlantic and Mediterranean Sea. <i>Biological Journal of the Linnean Society</i> , 2016, 117, 252-263.	0.7	7

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55	Reply to: Shark mortality cannot be assessed by fishery overlap alone. <i>Nature</i> , 2021, 595, E8-E16.	13.7	7
56	Interannual variability of gelatinous mesozooplankton in a temperate shelf sea: greater abundance coincides with cooler sea surface temperatures. <i>ICES Journal of Marine Science</i> , 2021, 78, 1372-1385.	1.2	6
57	Multi-layer Topology Preserving Mapping for K-Means Clustering. <i>Lecture Notes in Computer Science</i> , 2011, , 84-91.	1.0	5
58	Diversity and occurrence of siphonophores in Irish coastal waters. <i>Biology and Environment</i> , 2016, 116B, 119.	0.2	5
59	Reply to: Caution over the use of ecological big data for conservation. <i>Nature</i> , 2021, 595, E20-E28.	13.7	4
60	First record of biofluorescence in lumpfish (<i>Cyclopterus lumpus</i>), a commercially farmed cleaner fish. <i>Journal of Fish Biology</i> , 2022, 101, 1058-1062.	0.7	4
61	A novel platform for monitoring gelatinous mesozooplankton: The high-speed Gulf VII sampler quantifies gelatinous mesozooplankton similar to a ring net. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 696-706.	1.0	3
62	Evidence of a range expansion in sunfish from 47 years of coastal sightings. <i>Marine Biology</i> , 2022, 169, 20.	0.7	2
63	Identification of jellyfish from Continuous Plankton Recorder samples. , 2010, , 193-201.		1
64	Foods of <i>Velella velella</i> (Cnidaria: Hydrozoa) in algal rafts and its distribution in Irish seas. , 2012, , 47-55.		1
65	Community structure of gelatinous zooplankton in a temperate ecosystem: Spatial patterns and underlying drivers. <i>Regional Studies in Marine Science</i> , 2021, 43, 101673.	0.4	0