Damien Tran

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	1,002 citations	471509 17 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	913 citing authors

#	Article	IF	Citations
1	Unexpected Levels of Biological Activity during the Polar Night Offer New Perspectives on a Warming Arctic. Current Biology, 2015, 25, 2555-2561.	3.9	163
2	Estimation of potential and limits of bivalve closure response to detect contaminants: Application to cadmium. Environmental Toxicology and Chemistry, 2003, 22, 914-920.	4.3	114
3	Behavioral responses of Crassostrea gigas exposed to the harmful algae Alexandrium minutum. Aquaculture, 2010, 298, 338-345.	3.5	91
4	Field Chronobiology of a Molluscan Bivalve: How the Moon and Sun Cycles Interact to Drive Oyster Activity Rhythms. Chronobiology International, 2011, 28, 307-317.	2.0	79
5	Evidence for a Plastic Dual Circadian Rhythm in the OysterCrassostrea gigas. Chronobiology International, 2012, 29, 857-867.	2.0	45
6	High Frequency Non-invasive (HFNI) Bio-Sensors As a Potential Tool for Marine Monitoring and Assessments. Frontiers in Marine Science, 2016, 3, .	2.5	45
7	Relationship between valve activity, microalgae concentration in the water and toxin accumulation in the digestive gland of the Pacific oyster Crassostrea gigas exposed to Alexandrium minutum. Marine Pollution Bulletin, 2011, 62, 1191-1197.	5.0	44
8	Genetic and genotoxic impacts in the oyster Crassostrea gigas exposed to the harmful alga Alexandrium minutum. Aquatic Toxicology, 2013, 140-141, 458-465.	4.0	41
9	Identification of the Molecular Clockwork of the Oyster Crassostrea gigas. PLoS ONE, 2017, 12, e0169790.	2.5	39
10	INORGANIC MERCURY DETECTION BY VALVE CLOSURE RESPONSE IN THE FRESHWATER CLAM CORBICULA FLUMINEA: INTEGRATION OF TIME AND WATER METAL CONCENTRATION CHANGES. Environmental Toxicology and Chemistry, 2007, 26, 1545.	4.3	36
11	Remodeling of the cycling transcriptome of the oyster Crassostrea gigas by the harmful algae Alexandrium minutum. Scientific Reports, 2017, 7, 3480.	3.3	32
12	The toxic dinoflagellate Alexandrium minutum disrupts daily rhythmic activities at gene transcription, physiological and behavioral levels in the oyster Crassostrea gigas. Aquatic Toxicology, 2015, 158, 41-49.	4.0	29
13	In the darkness of the polar night, scallops keep on a steady rhythm. Scientific Reports, 2016, 6, 32435.	3.3	29
14	Bivalve mollusc circadian clock genes can run at tidal frequency. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192440.	2.6	29
15	Looking for the clock mechanism responsible for circatidal behavior in the oyster Crassostrea gigas. Marine Biology, 2014, 161, 89-99.	1.5	22
16	Role and expression of cry1 in the adductor muscle of the oyster Crassostrea gigas during daily and tidal valve activity rhythms. Chronobiology International, 2016, 33, 949-963.	2.0	21
17	How annual course of photoperiod shapes seasonal behavior of diploid and triploid oysters, Crassostrea gigas. PLoS ONE, 2017, 12, e0185918.	2.5	21
18	Estimation of potential and limits of bivalve closure response to detect contaminants: application to cadmium. Environmental Toxicology and Chemistry, 2003, 22, 914-20.	4.3	15

#	Article	IF	Citations
19	A Fault Detection Method for Automatic Detection of Spawning in Oysters. IEEE Transactions on Control Systems Technology, 2016, 24, 1140-1147.	5.2	14
20	Moonlight cycles synchronize oyster behaviour. Biology Letters, 2019, 15, 20180299.	2.3	14
21	Influence of sex and spawning status on oxygen consumption and blood oxygenation status in oysters Crassostrea gigas cultured in a Mediterranean lagoon (Thau, France). Aquaculture, 2008, 277, 58-65.	3.5	13
22	Velocity estimation of valve movement in oysters for water quality surveillance. IFAC-PapersOnLine, 2015, 48, 333-338.	0.9	13
23	Trojan Horse Strategy for Non-invasive Interference of Clock Gene in the Oyster Crassostrea gigas. Marine Biotechnology, 2017, 19, 361-371.	2.4	13
24	Molecular Characterization of Voltage-Gated Sodium Channels and Their Relations with Paralytic Shellfish Toxin Bioaccumulation in the Pacific Oyster Crassostrea gigas. Marine Drugs, 2017, 15, 21.	4.6	13
25	Rhythms during the polar night: evidence of clock-gene oscillations in the Arctic scallop Chlamys islandica. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201001.	2.6	7
26	Growth and behaviour of blue mussels, a re-emerging polar resident, follow a strong annual rhythm shaped by the extreme high Arctic light regime. Royal Society Open Science, 2020, 7, 200889.	2.4	6
27	Impact of hypoxia on hemolymph contamination by uranium in an aquatic animal, the freshwater clam Corbicula fluminea. Environmental Pollution, 2008, 156, 821-826.	7.5	5
28	DNA Alterations Triggered by Environmentally Relevant Polymetallic Concentrations in Marine Clams Ruditapes philippinarum and Polychaete Worms Hediste diversicolor. Archives of Environmental Contamination and Toxicology, 2014, 67, 651-658.	4.1	5
29	Biological Clocks and Rhythms in Polar Organisms. Advances in Polar Ecology, 2020, , 217-240.	1.3	4