Jerome Mallefet

List of Publications by Year
in descending order

109 papers	1,723 citations	279701 23 h-index	414303 32 g-index
110 all docs	110 docs citations	110 times ranked	889 citing authors

#	Article	IF	Citations
1	Diet consistency but large-scale isotopic variations in a deep-sea shark: The case of the velvet belly lantern shark, Etmopterus spinax, in the northeastern Atlantic region and Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 182, 103708.	0.6	6
2	Crinoid anthraquinones as kairomones allowing host selection for the symbiotic snapping shrimp Synalpheus stimpsonii. Chemoecology, 2022, 32, 95-104.	0.6	4
3	Bioluminescence of the Largest Luminous Vertebrate, the Kitefin Shark, Dalatias licha: First Insights and Comparative Aspects. Frontiers in Marine Science, 2021, 8, .	1.2	15
4	A Third Luminous Shark Family: Confirmation of Luminescence Ability for Zameus squamulosus (Squaliformes; Somniosidae). Photochemistry and Photobiology, 2021, 97, 739-744.	1.3	13
5	Photophore Distribution and Enzymatic Diversity Within the Photogenic Integument of the Cookie-Cutter Shark Isistius brasiliensis (Chondrichthyes: Dalatiidae). Frontiers in Marine Science, 2021, 8, .	1.2	11
6	Leaving the Dark Side? Insights Into the Evolution of Luciferases. Frontiers in Marine Science, 2021, 8, .	1.2	17
7	Red and white muscle proportions and enzyme activities in mesopelagic sharks. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 256, 110649.	0.7	1
8	Glow on Sharks: State of the Art on Bioluminescence Research. Oceans, 2021, 2, 822-842.	0.6	10
9	Adrenocorticotropic Hormone and Cyclic Adenosine Monophosphate are Involved in the Control of Shark Bioluminescence. Photochemistry and Photobiology, 2020, 96, 37-45.	1.3	15
10	Ecological features and swimming capabilities of deep-sea sharks from New Zealand. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 156, 103187.	0.6	8
11	Histological evidence for secretory bioluminescence from pectoral pockets ofÂthe American Pocket Shark (Mollisquama mississippiensis). Scientific Reports, 2020, 10, 18762.	1.6	7
12	In the intimacy of the darkness: Genetic polyandry in deepâ€sea luminescent lanternsharks <scp>Etmopterus spinax</scp> and <scp>Etmopterus molleri</scp> (Squaliformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		6
13	From extraocular photoreception to pigment movement regulation: a new control mechanism of the lanternshark luminescence. Scientific Reports, 2020, 10, 10195.	1.6	13
14	Bioluminescence induction in the ophiuroid Amphiura filiformis (Echinodermata). Journal of Experimental Biology, 2020, 223, .	0.8	12
15	Bioluminescence in lanternsharks: Insight from hormone receptor localization. General and Comparative Endocrinology, 2020, 294, 113488.	0.8	9
16	The megamouth shark, Megachasma pelagios, is not a luminous species. PLoS ONE, 2020, 15, e0242196.	1.1	6
17	Deep-sea sharks: Relation between the liver's buoyancy and red aerobic muscle volumes, a new approach. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 236, 110520.	0.8	6
18	Distribution and quantification of bioluminescence as an ecological trait in the deep sea benthos. Scientific Reports, 2019, 9, 14654.	1.6	25

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19	Melanin-concentrating hormone is not involved in luminescence emission in the velvet belly lanternshark, Etmopterus spinax. Marine Biology, 2019, 166, 1.	0.7	4
20	Embryonic expression of encephalopsin supports bioluminescence perception in lanternshark photophores. Marine Biology, 2019, 166, 1.	0.7	16
21	Etmopterus spinax, the velvet belly lanternshark, does not use bacterial luminescence. Acta Histochemica, 2019, 121, 516-521.	0.9	21
22	Etmopteridae bioluminescence: dorsal pattern specificity and aposematic use. Zoological Letters, 2019, 5, 9.	0.7	21
23	Isolation and characterization of 29 and 19 microsatellite loci from two deep-sea luminous lanternsharks, Etmopterus spinax and Etmopterus molleri (Squaliformes, Etmopteridae). Molecular Biology Reports, 2019, 46, 1357-1362.	1.0	1
24	Luminescence control of Stomiidae photophores. Acta Histochemica, 2019, 121, 7-15.	0.9	11
25	Behavioural responses of the yellow emitting annelid <scp>Tomopteris helgolandica</scp> to photic stimuli. Luminescence, 2018, 33, 511-520.	1.5	8
26	De novo transcriptome analyses provide insights into opsin-based photoreception in the lanternshark Etmopterus spinax. PLoS ONE, 2018, 13, e0209767.	1.1	37
27	Marine Bioluminescence: Measurement by a Classical Light Sensor and Related Foraging Behavior of a Deep Diving Predator. Photochemistry and Photobiology, 2017, 93, 1312-1319.	1.3	12
28	Fine structure of the luminous spines and luciferase detection in the brittle star Amphiura filiformis. Zoologischer Anzeiger, 2017, 269, 1-12.	0.4	15
29	A puzzling homology: a brittle star using a putative cnidarian-type luciferase for bioluminescence. Open Biology, 2017, 7, 160300.	1.5	32
30	Unexpected diversity of bioluminescence in planktonic worms. Luminescence, 2017, 32, 394-400.	1.5	8
31	Morphology and fluorescence of the parapodial light glands in Tomopteris helgolandica and allies (Phyllodocida: Tomopteridae). Zoologischer Anzeiger, 2017, 268, 112-125.	0.4	11
32	De Novo Adult Transcriptomes of Two European Brittle Stars: Spotlight on Opsin-Based Photoreception. PLoS ONE, 2016, 11, e0152988.	1.1	23
33	Opsin evolution in the Ambulacraria. Marine Genomics, 2015, 24, 177-183.	0.4	50
34	Cytological changes during luminescence production in lanternshark (Etmopterus spinax Linnaeus,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	22
35	De novo transcriptome of the European brittle star Amphiura filiformis pluteus larvae. Marine Genomics, 2015, 23, 109-121.	0.4	22
36	Comparative control of luminescence in sharks: New insights from the slendertail lanternshark (Etmopterus molleri). Journal of Experimental Marine Biology and Ecology, 2015, 467, 87-94.	0.7	30

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37	The presence of lateral photophores correlates with increased speciation in deep-sea bioluminescent sharks. Royal Society Open Science, 2015, 2, 150219.	1.1	16
38	High opsin diversity in a non-visual infaunal brittle star. BMC Genomics, 2014, 15, 1035.	1.2	33
39	Ultrastructural organization of lantern shark (Etmopterus spinax Linnaeus, 1758) photophores. Zoomorphology, 2014, 133, 405-416.	0.4	28
40	Iso-luminance counterillumination drove bioluminescent shark radiation. Scientific Reports, 2014, 4, 4328.	1.6	33
41	Photon Hunting in the Twilight Zone: Visual Features of Mesopelagic Bioluminescent Sharks. PLoS ONE, 2014, 9, e104213.	1.1	22
42	First study of the chemistry of the luminous system in a deep-sea shark, Etmopterus spinax Linnaeus, 1758 (Chondrichthyes: Etmopteridae). Journal of Experimental Marine Biology and Ecology, 2013, 448, 214-219.	0.7	24
43	A deepwater fish with â€˜lightsabersâ€™ â€“ dorsal spine-associated luminescence in a counterilluminating lanternshark. Scientific Reports, 2013, 3, 1308.	1.6	41
44	Physiological control of bioluminescence in a deep-sea planktonic worm, Tomopteris helgolandica Greeff, 1879. Journal of Experimental Biology, 2013, 216, 4285-9.	0.8	18
45	THE EFFECT OF STRUCTURE AND MORPHOLOGY ON THE LIGHT TRANSMISSIVITY OF MINERALIZED SPINES OF LANTERNSHARKS. Journal of Biomechanics, 2012, 45, S61.	0.9	0
46	Control of luminescence from pygmy shark (Squaliolus aliae) photophores. Journal of Experimental Biology, 2012, 215, 1691-1699.	0.8	52
47	Study of the luminescence in the black brittle-star Ophiocomina nigra:Âtoward a new pattern of light emission in ophiuroids* . Zoosymposia, 2012, 7, 139-145.	0.3	9
48	Morphology and control of photogenic structures in a rare dwarf pelagic lantern shark (Etmopterus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	37
49	GABA inhibition of luminescence from lantern shark (Etmopterus spinax) photophores. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 153, 231-236.	1.3	12
50	Control of luminescence from lantern shark (Etmopterus spinax) photophores. Communicative and Integrative Biology, 2011, 4, 251-253.	0.6	12
51	Phantom hunter of the fjords: Camouflage by counterillumination in a shark (Etmopterus spinax). Journal of Experimental Marine Biology and Ecology, 2010, 388, 28-32.	0.7	51
52	Evidence for a widespread involvement of NO in control of photogenesis in bioluminescent fish. Acta Zoologica, 2010, 91, 474-483.	0.6	13
53	Nitric oxide in the control of luminescence from lantern shark (Etmopterus spinax) photophores. Journal of Experimental Biology, 2010, 213, 3005-3011.	0.8	26
54	The lantern shark's light switch: turning shallow water crypsis into midwater camouflage. Biology Letters, 2010, 6, 685-687.	1.0	26

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55	Social structure of bottlenose dolphins,Tursiops truncatus, in Panama City, Florida. Journal of the Marine Biological Association of the United Kingdom, 2010, 90, 1685-1692.	0.4	14
56	Functional physiology of lantern shark (Etmopterus spinax) luminescent pattern: differential hormonal regulation of luminous zones. Journal of Experimental Biology, 2010, 213, 1852-1858.	0.8	40
57	Ontogeny of photophore pattern in the velvet belly lantern shark, Etmopterus spinax. Zoology, 2009, 112, 433-441.	0.6	39
58	Hormonal control of luminescence from lantern shark (Etmopterus spinax) photophores. Journal of Experimental Biology, 2009, 212, 3684-3692.	0.8	46
59	Is Extreme Bite Performance Associated with Extreme Morphologies in Sharks?. Physiological and Biochemical Zoology, 2009, 82, 20-28.	0.6	40
60	How do brittle stars control their light emission?. , 2009, , 419-422.		0
61	Temporal variation of Tubularia indivisa (Cnidaria, Tubulariidae) and associated epizoites on artificial habitat communities in the North Sea. Marine Biology, 2008, 153, 405-420.	0.7	31
62	Early development of bioluminescence suggests camouflage by counterâ€illumination in the velvet belly lantern shark Etmopterus spinax (Squaloidea: Etmopteridae). Journal of Fish Biology, 2008, 73, 1337-1350.	0.7	51
63	Spatial variability of epifaunal communities from artificial habitat: Shipwrecks in the Southern Bight of the North Sea. Estuarine, Coastal and Shelf Science, 2008, 76, 327-344.	0.9	39
64	BIOLUMINESCENCE OF SHARKS, A CASE STUDY: ETMOPTERUS SPINAX. , 2008, , .		0
65	Serotonin and nitric oxide interaction in the control of bioluminescence in northern krill, Meganyctiphanes norvegica (M. Sars). Journal of Experimental Biology, 2007, 210, 3179-3187.	0.8	19
66	Dispersal mechanisms in amphipods: a case study of Jassa herdmani (Crustacea, Amphipoda) in the North Sea. Marine Biology, 2007, 153, 83-89.	0.7	17
67	Epifaunal Inventory of Two Shipwrecks from the Belgian Continental Shelf. Hydrobiologia, 2006, 555, 207-219.	1.0	33
68	BIOLUMINESCENCE IN OPHIUROIDS (ECHINODERMATA): A MINIREVIEW. , 2005, , .		1
69	Nitric oxide in control of luminescence from hatchetfish(Argyropelecus hemigymnus) photophores. Journal of Experimental Biology, 2005, 208, 2951-2961.	0.8	22
70	PHARMACOLOGICAL AND ELECTROPHYSIOLOGICAL STUDIES OF LIGHT EMISSION IN 3 OPHIUROID SPECIES: PRELIMINARY RESULTS. , 2005, , .		0
71	Synergic effects of tryptamine and octopamine on ophiuroid luminescence(Echinodermata). Journal of Experimental Biology, 2004, 207, 3749-3756.	0.8	13
72	Effect of Î²-adrenergic antagonists on bioluminescence control in three species of brittlestars (Echinodermata: Ophiuroidea). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 138, 59-66.	1.3	2

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73	First study of bioluminescence in Ophionereis. , 2004, , 299-304.		2
74	Screening of second messengers involved in photocyte bioluminescence control of three ophiuroid species (Ophiuroidea: Echinodermata). Journal of Experimental Biology, 2003, 206, 3007-3014.	0.8	6
75	Abnormal forms in the brittle-star Amphipholis squamata: a field study. Journal of the Marine Biological Association of the United Kingdom, 2002, 82, 491-493.	0.4	1
76	Calcium involvement in the luminescence control of three ophiuroid species (Echinodermata). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 131, 153-160.	1.3	6
77	Luminescence in ophiuroids (Echinodermata) does not share a common nervous control in all species. Journal of Experimental Biology, 2002, 205, 799-806.	0.8	15
78	Luminescence in ophiuroids (Echinodermata) does not share a common nervous control in all species. Journal of Experimental Biology, 2002, 205, 799-806.	0.8	5
79	Kinetics of light emission and oxygen consumption by bioluminescent bacteria. Journal of Bioenergetics and Biomembranes, 2001, 33, 353-363.	1.0	41
80	Expression of bioluminescence in Amphipholis squamata (Ophiuroidea: Echinodermata) in presence of various organisms: a laboratory study. Journal of the Marine Biological Association of the United Kingdom, 2000, 80, 179-180.	0.4	17
81	Involvement of cyclic nucleotides and IP3 in the regulation of luminescence in the brittlestarAmphipholis squamata (Echinodermata). Luminescence, 2000, 15, 159-163.	1.5	6
82	Evidence of seasonal variation in bioluminescence of Amphipholis squamata (Ophiuroidea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Tc Ecology, 2000, 245, 245-264.	0.7	13
83	Title is missing!. Hydrobiologia, 2000, 440, 137-144.	1.0	1
84	Cytological changes during bioluminescence production in dissociated photocytes from the ophiuroid Amphipholis squamata (Echinodermata). Cell and Tissue Research, 2000, 299, 115-128.	1.5	15
85	Evidence from polychromatism and bioluminescence that the cosmopolitan ophiuroid Amphipholis squamata might not represent a unique taxon. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 2000, 323, 499-509.	0.8	3
86	Cytological changes during bioluminescence production in dissociated photocytes from the ophiuroid Amphipholis squamata (Echinodermata). Cell and Tissue Research, 2000, 299, 115-128.	1.5	6
87	IS THERE A LINK BETWEEN MORPHOLOGICAL, PHYSIOLOGICAL AND GENETIC VARIABILITY OF THE OPHIUROID AMPHIPHOLIS SQUAMATA?. Animal Biology, 2000, 50, 355-363.	0.4	2
88	Effects of catecholamines and purines on luminescence in the brittlestar Amphipholis squamata (Echinodermata). Journal of Experimental Biology, 2000, 203, 2015-2023.	0.8	15
89	Effects of catecholamines and purines on luminescence in the brittlestar Amphipholis squamata (Echinodermata). Journal of Experimental Biology, 2000, 203, 2015-23.	0.8	7
90	Modulatory effects of some amino acids and neuropeptides on luminescence in the brittlestar amphipholis squamata. Journal of Experimental Biology, 1999, 202, 1785-1791.	0.8	18

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91	Determination by HPLC of adrenalin (E) and of noradrenalin (NE) in certain species of mesopelagic fish in the Strait of Messina. , 1998, 13, 311-314.		1
92	Intraspecific Variations of Bioluminescence in a Polychromatic Population Of Amphipholis Squamata (Echinodermata: Ophiuroidea). Journal of the Marine Biological Association of the United Kingdom, 1997, 77, 1213-1222.	0.4	18
93	Localization of S1â€“ and S2â€“like immunoreactivity in the nervous system of the brittle starAmphipholis squamata(Delle Chiaje 1828). Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 667-674.	1.2	16
94	Luminescence control in the brittlestar Amphipholis squamata: Effect of cholinergic drugs. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1996, 115, 75-82.	0.5	6
95	Presence of coelenterazine in mesopelagic fishes from the Strait of Messina. Marine Biology, 1995, 124, 381-385.	0.7	33
96	Modulatory effects of adenosine onPorichthys luminescence. The Journal of Experimental Zoology, 1993, 266, 1-10.	1.4	7
97	Metabolic Control of Luminescence in Isolated Photophores of Porichthys: Effects of Glucose on Oxygen Consumption and Luminescence. Journal of Experimental Biology, 1993, 181, 279-293.	0.8	1
98	Immunohistochemical detection of biogenic amines in the photophores of the midshipman fish Porichthys notatus. Canadian Journal of Zoology, 1992, 70, 1968-1975.	0.4	6
99	Metabolic control of Argyropelecus hemigymnus photophores: effects of glucose and pyruvate. Canadian Journal of Zoology, 1991, 69, 2410-2413.	0.4	4
100	Effects of sodium azide on the Porichthys isolated luminous organs. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1990, 96, 105-109.	0.2	0
101	Immunocytochemical and autoradiographic studies of the endocrine cells interacting with GABA in the rat stomach. Histochemistry, 1990, 93, 645-654.	1.9	29
102	OXYGEN CONSUMPTION AND LUMINESCENCE OF ISOLATED Porichthys PHOTOPHORES IN RESPONSE TO ADRENERGIC STIMULATIONS. Photochemistry and Photobiology, 1989, 50, 243-250.	1.3	2
103	Effects of ouabaÃ¯n on isolated photophores of luminescent fish. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1988, 89, 159-163.	0.2	1
104	Oxygen consumption and luminescence of Maurolicus photophores stimulated by adrenalin. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1987, 87, 233-236.	0.2	1
105	Oxygen Consumption and Luminescence of Maurolicus Photophores Stimulated by Potassium Cyanide. Journal of Experimental Biology, 1986, 126, 469-477.	0.8	3
106	Effects of Adrenalin on the Oxygen Consumption and Luminescence of the Photophores of the Mesopelagic Fish Argyropelecus Hemigymnus. Journal of Experimental Biology, 1985, 118, 341-349.	0.8	7
107	Oxygen consumption and luminescence of Maurolicus photophores in response to potassium cyanide. Archives Internationales De Physiologie Et De Biochimie, 1984, 92, P24-P25.	0.2	0
108	Oxygen consumption and luminescence of Porichthys photophores stimulated by potassium cyanide. Journal of Experimental Biology, 1984, 109, 341-352.	0.8	12

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109	Oxygen consumption and luminescence of Porichthys photophores stimulated by potassium cyanide. Journal of Experimental Biology, 1984, 109, 341-52.	0.8	6