

Yuichi Oba

List of Publications by Year in descending order

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89
papers

2,943
citations

185998

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50
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94
all docs

94
docs citations

94
times ranked

2593
citing authors

#	ARTICLE	IF	CITATIONS
1	Firefly genomes illuminate the evolution of beetle bioluminescent systems. <i>Current Opinion in Insect Science</i> , 2022, 50, 100879.	2.2	4
2	The <i>COI</i> haplotype diversity of the pelagic polychaete <i>Tomopteris</i> (Annelida: Tomopteridae) collected from the Pacific coast off Kii Peninsula, central Japan. <i>Plankton and Benthos Research</i> , 2022, 17, 214-220.	0.2	1
3	Bioluminescence and Pigments. , 2021, , 149-181.		0
4	Occurrence of bioluminescent and nonbioluminescent species in the littoral earthworm genus <i>Pontodrilus</i> . <i>Scientific Reports</i> , 2021, 11, 8407.	1.6	4
5	Bioluminescence of the polychaete <i>Tharyx</i> sp. (Annelida: Cirratulidae) in deep-seawater from Toyama Bay, Japan. <i>Plankton and Benthos Research</i> , 2021, 16, 145-148.	0.2	2
6	Molecular phylogenetic and morphological evidence reveal a rare limacoid snail genus, <i>Khmerquantula</i> gen. nov. (Eupulmonata: Dyakiidae) from Cambodia. <i>Systematics and Biodiversity</i> , 2021, 19, 1049-1061.	0.5	3
7	<i>Etmopterus</i> lantern sharks use coelenterazine as the substrate for their luciferin-luciferase bioluminescence system. <i>Biochemical and Biophysical Research Communications</i> , 2021, 577, 139-145.	1.0	7
8	Reflector of the body photophore in lanternfish is mechanistically tuned to project the biochemical emission in photocytes for counterillumination. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 821-826.	1.0	10
9	Resurrecting the ancient glow of the fireflies. <i>Science Advances</i> , 2020, 6, .	4.7	22
10	Kleptoprotein bioluminescence: <i>Parapriacanthus</i> fish obtain luciferase from ostracod prey. <i>Science Advances</i> , 2020, 6, eaax4942.	4.7	27
11	Bioluminescent properties of <i>Mesochaetopterus japonicus</i> (Polychaeta: Chaetopteridae) with comparison to <i>Chaetopterus</i>. <i>Plankton and Benthos Research</i> , 2020, 15, 228-231.	0.2	0
12	Bioluminescence chemistry of fireworm <i>Odontosyllis</i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18911-18916.	3.3	33
13	Bioluminescence properties of <i>Thelepus japonicus</i> (Annelida: Terebelliformia). <i>Luminescence</i> , 2019, 34, 602-606.	1.5	5
14	Magnetically Induced Flickering Change in the Light-Reflecting Cuticulae of the Common Bluebottle Butterfly <i>Graphium Sarpedon</i> . <i>IEEE Transactions on Magnetics</i> , 2019, , 1-4.	1.2	0
15	Size variation and geographical distribution of the luminous earthworm <i>Pontodrilus litoralis</i> (Grube, 1855) (Clitellata, Megascolecidae) in Southeast Asia and Japan. <i>ZooKeys</i> , 2019, 862, 23-42.	0.5	6
16	The Fireflies and Luminous Insects. , 2019, , 1-31.		0
17	Other Luminous Organisms. , 2019, , 349-379.		0
18	Genetically encodable bioluminescent system from fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12728-12732.	3.3	130

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19	Firefly genomes illuminate parallel origins of bioluminescence in beetles. <i>ELife</i> , 2018, 7, .	2.8	108
20	2-S-cysteinyhydroquinone is an intermediate for the firefly luciferin biosynthesis that occurs in the pupal stage of the Japanese firefly, <i>Luciola lateralis</i> . <i>Bioorganic Chemistry</i> , 2018, 80, 223-229.	2.0	19
21	Luciferase of the Japanese syllid polychaete <i>Odontosyllis umdecimdonga</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 502, 318-323.	1.0	24
22	Mechanism and color modulation of fungal bioluminescence. <i>Science Advances</i> , 2017, 3, e1602847.	4.7	74
23	Biochemical characteristics and gene expression profiles of two paralogous luciferases from the Japanese firefly <i>Pyrocoelia atripennis</i> (Coleoptera, Lampyridae, Lampyrinae): insight into the evolution of firefly luciferase genes. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1301-1310.	1.6	12
24	Identification and characterization of the Luc2α-type luciferase in the Japanese firefly, <i>Luciola parvula</i> , involved in a dim luminescence in immobile stages. <i>Luminescence</i> , 2017, 32, 924-931.	1.5	14
25	Selected Least Studied but not Forgotten Bioluminescent Systems. <i>Photochemistry and Photobiology</i> , 2017, 93, 405-415.	1.3	30
26	Identification of hispidin as a bioluminescent active compound and its recycling biosynthesis in the luminous fungal fruiting body. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1435-1440.	1.6	28
27	Cloning of the Blue Ghost (<i>Phausis reticulata</i>) Luciferase Reveals a Glowing Source of Green Light. <i>Photochemistry and Photobiology</i> , 2017, 93, 473-478.	1.3	11
28	Carabid beetles (<i>Carabus blaptoides</i>) from Nii-jima and O-shima isles, Izu-Bonin oceanic islands: Dispersion by Kuroshio current and the origin of the insular populations. <i>Insect Systematics and Evolution</i> , 2016, 47, 93-112.	0.2	6
29	One-pot non-enzymatic formation of firefly luciferin in a neutral buffer from p-benzoquinone and cysteine. <i>Scientific Reports</i> , 2016, 6, 24794.	1.6	25
30	Vicariance of <i>Pyrocoelia</i> fireflies (Coleoptera: Lampyridae) in the Ryukyu islands, Japan. <i>Biological Journal of the Linnean Society</i> , 2015, 116, 412-422.	0.7	15
31	The Chemical Basis of Fungal Bioluminescence. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8124-8128.	7.2	89
32	DNA Barcoding of Japanese Click Beetles (Coleoptera, Elateridae). <i>PLoS ONE</i> , 2015, 10, e0116612.	1.1	38
33	Bioluminescence of a firefly pupa: involvement of a luciferase isotype in the dim glow of pupae and eggs in the Japanese firefly, <i>Luciola lateralis</i> . <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 854-863.	1.6	27
34	The role of <i>doublesex</i> in the evolution of exaggerated horns in the Japanese rhinoceros beetle. <i>EMBO Reports</i> , 2013, 14, 561-567.	2.0	83
35	Vicariant speciation due to 1.55 Ma isolation of the Ryukyu islands, Japan, based on geological and genetic data. <i>Entomological Science</i> , 2013, 16, 267-277.	0.3	22
36	Biosynthesis of Firefly Luciferin in Adult Lantern: Decarboxylation of β -Cysteine is a Key Step for Benzothiazole Ring Formation in Firefly Luciferin Synthesis. <i>PLoS ONE</i> , 2013, 8, e84023.	1.1	35

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37	Firefly luciferase genes from the subfamilies Psilocladinae and Otoretinae (Lampyridae, Coleoptera). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2012, 161, 110-116.	0.7	19
38	20 β -hydroxysteroid dehydrogenase gene promoter: Potential role for cyclic AMP and xenobiotic responsive elements. <i>Gene</i> , 2012, 509, 68-76.	1.0	14
39	The Terrestrial Bioluminescent Animals of Japan. <i>Zoological Science</i> , 2011, 28, 771-789.	0.3	42
40	Identification of a functional luciferase gene in the non-luminous diurnal firefly, <i>Lucidina biplagiata</i> . <i>Insect Molecular Biology</i> , 2010, 19, 737-743.	1.0	10
41	Characterization of luciferases and its paralogue in the Panamanian luminous click beetle <i>Pyrophorus angustus</i> : A click beetle luciferase lacks the fatty acyl-CoA synthetic activity. <i>Gene</i> , 2010, 452, 1-6.	1.0	22
42	Identification and Characterization of a Luciferase Isozyme in the Japanese Firefly, <i>Luciola cruciata</i> , Involving in the Dim Glow of Firefly Eggs. <i>Biochemistry</i> , 2010, 49, 10788-10795.	1.2	36
43	Functional conversion of fatty acyl-CoA synthetase to firefly luciferase by site-directed mutagenesis: A key substitution responsible for luminescence activity. <i>FEBS Letters</i> , 2009, 583, 2004-2008.	1.3	33
44	Design, synthesis, and biological evaluation of biotin-labeled (α)-ternatin, a potent fat-accumulation inhibitor against 3T3-L1 adipocytes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 92-95.	1.0	5
45	Biosynthesis of coelenterazine in the deep-sea copepod, <i>Metridia pacifica</i> . <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 684-688.	1.0	47
46	Diel changes in the expression of long wavelength-sensitive and ultraviolet-sensitive opsin genes in the Japanese firefly, <i>Luciola cruciata</i> . <i>Gene</i> , 2009, 436, 66-70.	1.0	19
47	Application of FITC-labeled Ternatin on Its Cellular Localization in 3T3-L1 Murine Preadipocytes. <i>Chemistry Letters</i> , 2009, 38, 150-151.	0.7	2
48	Germ cell specification and early embryonic patterning in <i>Bombyx mori</i> as revealed by <i>nanos</i> orthologues. <i>Evolution & Development</i> , 2008, 10, 546-554.	1.1	28
49	Orthologous gene of beetle luciferase in non-luminous click beetle, <i>Agrypnus binodulus</i> (Elateridae), encodes a fatty acyl-CoA synthetase. <i>Gene</i> , 2008, 407, 169-175.	1.0	16
50	Determination of the Luciferin Contents in Luminous and Non-Luminous Beetles. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 1384-1387.	0.6	11
51	Biosynthesis of <i>Cypridina</i> Luciferin in <i>Cypridina noctiluca</i> . <i>Heterocycles</i> , 2007, 72, 673.	0.4	17
52	The evolutionary process of bioluminescence and aposematism in cantharoid beetles (Coleoptera: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.0	46
53	Identification of proteins from venom of the paralytic spider wasp, <i>Cyphononyx dorsalis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 278-286.	1.2	39
54	Zooxanthellamide D, a Polyhydroxy Polyene Amide from a Marine Dinoflagellate, and Chemotaxonomic Perspective of the Symbiodinium Polyols#. <i>Journal of Natural Products</i> , 2007, 70, 407-411.	1.5	20

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55	Phylogenetic relationships of click beetles (Coleoptera: Elateridae) inferred from 28S ribosomal DNA: Insights into the evolution of bioluminescence in Elateridae. <i>Molecular Phylogenetics and Evolution</i> , 2007, 42, 410-421.	1.2	56
56	Catalytic Properties of Domain-Exchanged Chimeric Proteins between Firefly Luciferase and <i>Drosophila</i> Fatty Acyl-CoA Synthetase CG6178. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 2739-2744.	0.6	3
57	Stereoselective Incorporation of Isoleucine into <i>Cypridina</i> Luciferin in <i>Cypridina hilgendorffii</i> (Vargula) Tj. <i>ETQq1 1 0.784314 rgBT /Overl</i>	0.6	6
58	Biosynthesis of 2- ² -O-Methylmyxalamide D in the Myxobacterium <i>Cystobacter fuscus</i> : a Polyketide Synthase-Nonribosomal Peptide Synthetase System for the Myxalamide D Skeleton and a Methyltransferase for the Final O-Methylation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 699-705.	0.6	2
59	Identification of paralogous genes of firefly luciferase in the Japanese firefly, <i>Luciola cruciata</i> . <i>Gene</i> , 2006, 368, 53-60.	1.0	27
60	Cloning and characterization of the homologous genes of firefly luciferase in the mealworm beetle, <i>Tenebrio molitor</i> . <i>Insect Molecular Biology</i> , 2006, 15, 293-299.	1.0	23
61	Construction of a Bacterial Artificial Chromosome Library for a Myxobacterium of the Genus <i>Cystobacter</i> and Characterization of an Antibiotic Biosynthetic Gene Cluster. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 1372-1380.	0.6	29
62	Novel Relationship between the Antifungal Activity and Cytotoxicity of Marine-Derived Metabolite Xestoquinone and Its Family. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 1749-1752.	0.6	16
63	Enzymatic and Genetic Characterization of Firefly Luciferase and <i>Drosophila</i> CG6178 as a Fatty Acyl-CoA Synthetase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 819-828.	0.6	44
64	Zooxanthellamide Cs: Vasoconstrictive Polyhydroxylated Macrolides with the Largest Lactone Ring Size from a Marine Dinoflagellate of <i>Symbiodinium</i> sp.. <i>Journal of the American Chemical Society</i> , 2005, 127, 10406-10411.	6.6	40
65	Blarina toxin, a mammalian lethal venom from the short-tailed shrew <i>Blarina brevicauda</i> : Isolation and characterization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7542-7547.	3.3	73
66	Identification of the Luciferin-Luciferase System and Quantification of Coelenterazine by Mass Spectrometry in the Deep-Sea Luminous Ostracod <i>Conchoecia pseudodiscophora</i> . <i>ChemBioChem</i> , 2004, 5, 1495-1499.	1.3	19
67	Identification of the biosynthetic units of <i>Cypridina</i> luciferin in <i>Cypridina</i> (<i>Vargula</i>) <i>hilgendorffii</i> by LC/ESI-TOF-MS. <i>Tetrahedron</i> , 2004, 60, 11427-11434.	1.0	31
68	Zooxanthellamide B, a Novel Large Polyhydroxy Metabolite from a Marine Dinoflagellate of <i>Symbiodinium</i> sp.. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 955-958.	0.6	23
69	Characterization of CG6178 gene product with high sequence similarity to firefly luciferase in <i>Drosophila melanogaster</i> . <i>Gene</i> , 2004, 329, 137-145.	1.0	38
70	Steroidogenic shift is a critical event for ovarian follicles to undergo final maturation. <i>Fish Physiology and Biochemistry</i> , 2003, 28, 313-315.	0.9	3
71	Zooxanthellamide A, a novel polyhydroxy metabolite from a marine dinoflagellate of <i>Symbiodinium</i> sp.. <i>Tetrahedron</i> , 2003, 59, 1067-1071.	1.0	27
72	Synthesis of biotinylated xestoquinone that retains inhibitory activity against Ca ²⁺ ATPase of skeletal muscle myosin. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3077-3082.	1.4	16

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73	Accumulation of anchored proteins forms membrane diffusion barriers during neuronal polarization. <i>Nature Cell Biology</i> , 2003, 5, 626-632.	4.6	324
74	Synergistic Expression of Ad4BP/SF-1 and Cytochrome P-450 Aromatase (Ovarian Type) in the Ovary of Nile Tilapia, <i>Oreochromis niloticus</i> , During Vitellogenesis Suggests Transcriptional Interaction ¹ . <i>Biology of Reproduction</i> , 2003, 68, 1545-1553.	1.2	114
75	Firefly luciferase is a bifunctional enzyme: ATP-dependent monooxygenase and a long chain fatty acyl-CoA synthetase. <i>FEBS Letters</i> , 2003, 540, 251-254.	1.3	109
76	Ovarian Carbonyl Reductase-Like 20 β -Hydroxysteroid Dehydrogenase Shows Distinct Surge in Messenger RNA Expression During Natural and Gonadotropin-Induced Meiotic Maturation in Nile Tilapia ¹ . <i>Biology of Reproduction</i> , 2002, 67, 1080-1086.	1.2	66
77	Generation of Polyclonal Antibody against β -Conotoxin GIIIA Using an Immunogen of [Cys5] β -Conotoxin GIIIA Site-Specifically Conjugated with Bovine Serum Albumin. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1037-1041.	1.0	6
78	Biosynthesis of luciferin in the sea firefly, <i>Cypridina hilgendorffii</i> : l-tryptophan is a component in <i>Cypridina</i> luciferin. <i>Tetrahedron Letters</i> , 2002, 43, 2389-2392.	0.7	32
79	Modification of Arg-13 of β -conotoxin GIIIA with piperidinyl-Arg analogs and their relation to the inhibition of sodium channels. <i>FEBS Letters</i> , 2001, 503, 107-110.	1.3	15
80	Identification and cDNA Cloning of Alveolin, an Extracellular Metalloproteinase, Which Induces Chorion Hardening of Medaka (<i>Oryzias latipes</i>) Eggs upon Fertilization. <i>Journal of Biological Chemistry</i> , 2000, 275, 8349-8354.	1.6	50
81	Molecular Cloning, Functional Characterization, and Gene Expression of a Follicle-Stimulating Hormone Receptor in the Testis of Newt <i>Cynops pyrrhogaster</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 121-128.	1.0	19
82	Cloning, Functional Characterization, and Expression of Thyrotropin Receptors in the Thyroid of Amago Salmon (<i>Oncorhynchus rhodurus</i>). <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 258-263.	1.0	31
83	Medaka (<i>Oryzias latipes</i>) FTZ-F1 potentially regulates the transcription of P-450 aromatase in ovarian follicles: cDNA cloning and functional characterization. <i>Molecular and Cellular Endocrinology</i> , 1999, 149, 221-228.	1.6	99
84	Cloning, Functional Characterization, and Expression of a Gonadotropin Receptor cDNA in the Ovary and Testis of Amago Salmon (<i>Oncorhynchus rhodurus</i>). <i>Biochemical and Biophysical Research Communications</i> , 1999, 263, 584-590.	1.0	98
85	The Duality of Fish Gonadotropin Receptors: Cloning and Functional Characterization of a Second Gonadotropin Receptor cDNA Expressed in the Ovary and Testis of Amago Salmon (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBif1 Overl		
86	Inhibitory Guanine-nucleotide-binding-regulatory Protein alpha Subunits in Medaka (<i>Oryzias latipes</i>) Oocytes. cDNA Cloning and Decreased Expression of Proteins During Oocyte Maturation. <i>FEBS Journal</i> , 1997, 249, 846-853.	0.2	12
87	Synthesis and absolute configuration of the ozonolysis product of krill fluorescent compound F. <i>Tetrahedron Letters</i> , 1993, 34, 2779-2782.	0.7	16
88	Bioluminescent Fishes and their Eyes. , 0, , .		13
89	Semi-Intrinsic Luminescence in Marine Organisms. , 0, , .		1