Scott F Cummins

List of Publications by Year
in descending order

124	4,626	147801	123424
papers	citations	31 h-index	61 g-index

126	126	126	5088
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spawning induction of the high-value white teatfish sea cucumber, Holothuria fuscogilva, using recombinant relaxin-like gonad stimulating peptide (RGP). Aquaculture, 2022, 547, 737422.	3.5	5
2	The byssal-producing glands and proteins of the silverlip pearl oyster Pinctada maxima (Jameson, 1901). Biofouling, 2022, 38, 186-206.	2.2	0
3	Analysis of rhodopsin G protein-coupled receptor orthologs reveals semiochemical peptides for parasite (Schistosoma mansoni) and host (Biomphalaria glabrata) interplay. Scientific Reports, 2022, 12, 8243.	3.3	5
4	Characterization, expression and function of the pyrokinins (PKs) in the giant freshwater prawn,Macrobrachium rosenbergii. Journal of Experimental Biology, 2022, 225, .	1.7	1
5	Identification of Gene Biomarkers for Tigilanol Tiglate Content in Fontainea picrosperma. Molecules, 2022, 27, 3980.	3.8	2
6	Sex steroids and steroidogenesis-related genes in the sea cucumber, Holothuria scabra and their potential role in gonad maturation. Scientific Reports, 2021, 11, 2194.	3.3	16
7	The P450 multigene family of Fontainea and insights into diterpenoid synthesis. BMC Plant Biology, 2021, 21, 191.	3.6	4
8	Application of omics research in seaweeds with a focus on red seaweeds. Briefings in Functional Genomics, 2021, 20, 148-161.	2.7	9
9	The protein and volatile components of trail mucus in the Common Garden Snail, Cornu aspersum. PLoS ONE, 2021, 16, e0251565.	2.5	9
10	Achieving sustainable and climateâ€resilient fisheries requires marine ecosystem forecasts to include fish condition. Fish and Fisheries, 2021, 22, 1067-1084.	5.3	15
11	First report of Kudoa thunni and Kudoa musculoliquefaciens affecting the quality of commercially harvested yellowfin tuna and broadbill swordfish in Eastern Australia. Parasitology Research, 2021, 120, 2493-2503.	1.6	4
12	Development and Interrogation of a Transcriptomic Resource for the Giant Triton Snail (Charonia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	6
13	Identification and localization of growth factor genes in the sea cucumber, Holothuria scabra. Heliyon, 2021, 7, e08370.	3.2	4
14	Transcriptome analysis of the medicinally significant plant Fontainea picrosperma (Euphorbiaceae) reveals conserved biosynthetic pathways. FÃ¬toterapÃ¬Ã¢, 2020, 146, 104680.	2.2	5
15	Identification of neuropeptides in the sea cucumber Holothuria leucospilota. General and Comparative Endocrinology, 2019, 283, 113229.	1.8	12
16	Multi-omics investigations within the Phylum Mollusca, Class Gastropoda: from ecological application to breakthrough phylogenomic studies. Briefings in Functional Genomics, 2019, 18, 377-394.	2.7	5
17	Characterisation of early metazoan secretion through associated signal peptidase complex subunits, prohormone convertases and carboxypeptidases of the marine sponge (Amphimedon queenslandica). PLoS ONE, 2019, 14, e0225227.	2.5	3
18	Comparative study of excretoryâ€“secretory proteins released by Schistosoma mansoni-resistant, susceptible and naÃ¯ve Biomphalaria glabrata. Parasites and Vectors, 2019, 12, 452.	2.5	19

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19	A Biomphalaria glabrata peptide that stimulates significant behaviour modifications in aquatic free-living Schistosoma mansoni miracidia. PLoS Neglected Tropical Diseases, 2019, 13, e0006948.	3.0	21
20	A Crown-of-Thorns Seastar recombinant relaxin-like gonad-stimulating peptide triggers oocyte maturation and ovulation. General and Comparative Endocrinology, 2019, 281, 41-48.	1.8	9
21	Aquaculture Breeding Enhancement: Maturation and Spawning in Sea Cucumbers Using a Recombinant Relaxin-Like Gonad-Stimulating Peptide. Frontiers in Genetics, 2019, 10, 77.	2.3	25
22	Identification and characterization of a crustacean female sex hormone in the giant freshwater prawn, Macrobrachium rosenbergii. Aquaculture, 2019, 507, 56-68.	3.5	24
23	Greenlip Abalone (Haliotis laevigata) Genome and Protein Analysis Provides Insights into Maturation and Spawning. G3: Genes, Genomes, Genetics, 2019, 9, 3067-3078.	1.8	14
24	Integrative analysis of common genes and driver mutations implicated in hormone stimulation for four cancers in women. PeerJ, 2019, 7, e6872.	2.0	12
25	Existence of an egg-laying hormone-like peptide in male reproductive system of the giant freshwater prawn, Macrobrachium rosenbergii. Acta Histochemica, 2019, 121, 156-163.	1.8	2
26	Chemical Ecology of Chemosensation in Asteroidea: Insights Towards Management Strategies of Pest Species. Journal of Chemical Ecology, 2018, 44, 147-177.	1.8	23
27	Transcriptomic discovery and comparative analysis of neuropeptide precursors in sea cucumbers (Holothuroidea). Peptides, 2018, 99, 231-240.	2.4	53
28	<scp>eS</scp>nail: A transcriptomeâ€based molecular resource of the central nervous system for terrestrial gastropods. Molecular Ecology Resources, 2018, 18, 147-158.	4.8	3
29	Integrative proteomic analysis reveals potential high-frequency alternative open reading frame-encoded peptides in human colorectal cancer. Life Sciences, 2018, 215, 182-189.	4.3	7
30	The evolution of ependymin-related proteins. BMC Evolutionary Biology, 2018, 18, 182.	3.2	17
31	Putative chemosensory receptors are differentially expressed in the sensory organs of male and female crown-of-thorns starfish, Acanthaster planci. BMC Genomics, 2018, 19, 853.	2.8	9
32	Differences in Small Molecule Neurotransmitter Profiles From the Crown-of-Thorns Seastar Radial Nerve Revealed Between Sexes and Following Food-Deprivation. Frontiers in Endocrinology, 2018, 9, 551.	3.5	10
33	Major ampullate silk gland transcriptomes and fibre proteomes of the golden orb-weavers, Nephila plumipes and Nephila pilipes (Araneae: Nephilidae). PLoS ONE, 2018, 13, e0204243.	2.5	13
34	In vitro oocyte maturation by radial nerve extract and early development of the black sea cucumber (Holothuria leucospilota). Aquaculture, 2018, 495, 247-254.	3.5	15
35	Comparative Proteomic Study of the Antiproliferative Activity of Frog Host-Defence Peptide Caerin 1.9 and Its Additive Effect with Caerin 1.1 on TC-1 Cells Transformed with HPV16 E6 and E7. BioMed Research International, 2018, 2018, 1-14.	1.9	27
36	Insights Into Sexual Maturation and Reproduction in the Norway Lobster (Nephrops norvegicus) via in silico Prediction and Characterization of Neuropeptides and G Protein-coupled Receptors. Frontiers in Endocrinology, 2018, 9, 430.	3.5	45

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37	Genes and associated peptides involved with aestivation in a land snail. General and Comparative Endocrinology, 2017, 246, 88-98.	1.8	14
38	Attenuation of UV-B exposure-induced inflammation by abalone hypobranchial gland and gill extracts. International Journal of Molecular Medicine, 2017, 39, 1083-1090.	4.0	11
39	CYP450s analysis across spiny lobster metamorphosis identifies a long sought missing link in crustacean development. Journal of Steroid Biochemistry and Molecular Biology, 2017, 171, 262-269.	2.5	19
40	Molecular characterization of sdf1 and cxcr4 in the Mozambique tilapia, Oreochromis mossambicus. Animal Reproduction Science, 2017, 176, 51-63.	1.5	7
41	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. Nature Communications, 2017, 8, 15451.	12.8	216
42	The neuropeptidome of the Crown-of-Thorns Starfish, Acanthaster planci. Journal of Proteomics, 2017, 165, 61-68.	2.4	58
43	Neuropeptides encoded within a neural transcriptome of the giant triton snail Charonia tritonis, a Crown-of-Thorns Starfish predator. Peptides, 2017, 98, 3-14.	2.4	40
44	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. Nature, 2017, 544, 231-234.	27.8	157
45	Multiomics analysis of the giant triton snail salivary gland, a crown-of-thorns starfish predator. Scientific Reports, 2017, 7, 6000.	3.3	28
46	Copy number alteration of neuropeptides and receptors in multiple cancers. Scientific Reports, 2017, 7, 4598.	3.3	13
47	Identification of putative olfactory G-protein coupled receptors in Crown-of-Thorns starfish, Acanthaster planci. BMC Genomics, 2017, 18, 400.	2.8	18
48	Changes in the neuropeptide content of Biomphalaria ganglia nervous system following Schistosoma infection. Parasites and Vectors, 2017, 10, 275.	2.5	25
49	Inhibitory mechanism of peptides with a repeating hydrophobic and hydrophilic residue pattern on interleukin-10. Human Vaccines and Immunotherapeutics, 2017, 13, 518-527.	3.3	6
50	Biomolecular changes that occur in the antennal gland of the giant freshwater prawn (Machrobrachium rosenbergii). PLoS ONE, 2017, 12, e0177064.	2.5	13
51	Evidence for a Saponin Biosynthesis Pathway in the Body Wall of the Commercially Significant Sea Cucumber Holothuria scabra. Marine Drugs, 2017, 15, 349.	4.6	26
52	GPCR and IR genes in Schistosoma mansoni miracidia. Parasites and Vectors, 2016, 9, 563.	2.5	16
53	Investigation the Possibility of Using Peptides with a Helical Repeating Pattern of Hydro-Phobic and Hydrophilic Residues to Inhibit IL-10. PLoS ONE, 2016, 11, e0153939.	2.5	14
54	Ionotropic Receptors Identified within the Tentacle of the Freshwater Snail Biomphalaria glabrata, an Intermediate Host of Schistosoma mansoni. PLoS ONE, 2016, 11, e0156380.	2.5	7

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55	Proteomic analysis of the venom and venom sac of the woodwasp, Sirex noctilio - Towards understanding its biological impact. Journal of Proteomics, 2016, 146, 195-206.	2.4	23
56	A â€œLoveâ€•Dart Allohormone Identified in the Mucous Glands of Hermaphroditic Land Snails. Journal of Biological Chemistry, 2016, 291, 7938-7950.	3.4	25
57	Transcriptomic characterization and curation of candidate neuropeptides regulating reproduction in the eyestalk ganglia of the Australian crayfish, Cherax quadricarinatus. Scientific Reports, 2016, 6, 38658.	3.3	69
58	Multi-tissue transcriptomics for construction of a comprehensive gene resource for the terrestrial snail Theba pisana. Scientific Reports, 2016, 6, 20685.	3.3	10
59	Gonadotropin-releasing hormone and adipokinetic hormone/corazonin-related peptide in the female prawn. General and Comparative Endocrinology, 2016, 236, 70-82.	1.8	36
60	Identification of a female spawnâ€•associated Kazalâ€•type inhibitor from the tropical abalone Haliotis asinina. Journal of Peptide Science, 2016, 22, 461-470.	1.4	4
61	Transcriptomic analysis of the autophagy machinery in crustaceans. BMC Genomics, 2016, 17, 587.	2.8	14
62	REGene: a literature-based knowledgebase of animal regeneration that bridge tissue regeneration and cancer. Scientific Reports, 2016, 6, 23167.	3.3	16
63	Global metabolite analysis of the land snail Theba pisana hemolymph during active and aestivated states. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2016, 19, 25-33.	1.0	12
64	Reproductive neuropeptides that stimulate spawning in the Sydney Rock Oyster (Saccostrea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.4	35
65	Transcriptome analysis reveals differentially expressed genes associated with germ cell and gonad development in the Southern bluefin tuna (Thunnus maccoyii). BMC Genomics, 2016, 17, 217.	2.8	42
66	Assessment of yellowtail kingfish (Seriola lalandi) as a surrogate host for the production of southern bluefin tuna (Thunnus maccoyii) seed via spermatogonial germ cell transplantation. Reproduction, Fertility and Development, 2016, 28, 2051.	0.4	26
67	Characterisation of two conopressin precursor isoforms in the land snail, Theba pisana. Peptides, 2016, 80, 32-39.	2.4	10
68	Steroids and genes related to steroid biosynthesis in the female giant freshwater prawn, Macrobrachium rosenbergii. Steroids, 2016, 107, 149-160.	1.8	36
69	Differential peptide expression in the central nervous system of the land snail Theba pisana, between active and aestivated. Peptides, 2016, 80, 61-71.	2.4	15
70	Characterization of an abalone gonadotropin-releasing hormone and its effect on ovarian cell proliferation. Aquaculture, 2016, 450, 116-122.	3.5	21
71	Proteomic Analysis of the Schistosoma mansoni Miracidium. PLoS ONE, 2016, 11, e0147247.	2.5	34
72	Characterisation of Reproduction-Associated Genes and Peptides in the Pest Land Snail, Theba pisana. PLoS ONE, 2016, 11, e0162355.	2.5	8

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73	In silico Neuropeptidome of Female Macrobrachium rosenbergii Based on Transcriptome and Peptide Mining of Eyestalk, Central Nervous System and Ovary. PLoS ONE, 2015, 10, e0123848.	2.5	113
74	Molecular insights into land snail neuropeptides through transcriptome and comparative gene analysis. BMC Genomics, 2015, 16, 308.	2.8	56
75	Small-scale capture, transport and tank adaptation of live, medium-sized Scombrids using â€œTuna Tubesâ€• SpringerPlus, 2015, 4, 604.	1.2	5
76	Distribution of serotonin and dopamine in the central nervous system of the female mud crab, Scylla olivacea (Herbst). Acta Histochemica, 2015, 117, 196-204.	1.8	18
77	Primordial germ cell migration in the yellowtail kingfish (Seriola lalandi) and identification of stromal cell-derived factor 1. General and Comparative Endocrinology, 2015, 213, 16-23.	1.8	21
78	The membrane-active amphibian peptide caerin 1.8 inhibits fibril formation of amyloid Î²1-42. Peptides, 2015, 73, 1-6.	2.4	4
79	Spermatophore affects the egg-spawning and egg-carrying behavior in the female giant freshwater prawn, Macrobrachium rosenbergii. Animal Reproduction Science, 2015, 161, 129-137.	1.5	6
80	Polyunsaturated fatty acid metabolism in a marine teleost, Nibe croaker Nibea mitsukurii: Functional characterization of Fads2 desaturase and Elovl5 and Elovl4 elongases. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2015, 188, 37-45.	1.6	81
81	Analysis of the Central Nervous System Transcriptome of the Eastern Rock Lobster Sagmariasus verreauxi Reveals Its Putative Neuropeptidome. PLoS ONE, 2014, 9, e97323.	2.5	89
82	Identification of Genes Associated with Reproduction in the Mud Crab (Scylla olivacea) and Their Differential Expression following Serotonin Stimulation. PLoS ONE, 2014, 9, e115867.	2.5	20
83	Genomic organization of <scp>H</scp>ox and <scp>P</scp>ara<scp>H</scp>ox clusters in the echinoderm, <scp>A</scp>canthaster planci. Genesis, 2014, 52, 952-958.	1.6	40
84	Neuropeptides encoded by the genomes of the Akoya pearl oyster Pinctata fucata and Pacific oyster Crassostrea gigas: a bioinformatic and peptidomic survey. BMC Genomics, 2014, 15, 840.	2.8	88
85	Characterization of red pigment concentrating hormone (RPCH) in the female mud crab (Scylla) Tj ETQq1 1 0.784314 rgBT /Overlock 1C 28-36.	1.8	40
86	Isolation of Organic Matrix Nacreous Proteins fromHaliotis diversicolorand Their Effect OnIn VitroOsteoinduction. Malacologia, 2013, 56, 107-119.	0.4	2
87	Differential expression microarrays reveal candidate genes potentially associated with reproductive dysfunction of captive-reared prawn Penaeus monodon. Aquaculture, 2013, 400-401, 14-28.	3.5	11
88	Cloning of the crustacean hyperglycemic hormone and evidence for molt-inhibiting hormone within the central nervous system of the blue crab Portunus pelagicus. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 276-290.	1.8	21
89	Differential expression of neuropeptides correlates with growth rate in cultivated Haliotis asinina (Vetigastropoda: Mollusca). Aquaculture, 2012, 334-337, 159-168.	3.5	11
90	Marked changes in neuropeptide expression accompany broadcast spawnings in the gastropod Haliotis asinina. Frontiers in Zoology, 2012, 9, 9.	2.0	40

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91	Gene Expression Profiling of the Cephalothorax and Eyestalk in Penaeus Monodon during Ovarian Maturation. International Journal of Biological Sciences, 2012, 8, 328-343.	6.4	19
92	Pheromones, attractants and other chemical cues of aquatic organisms and amphibians. Natural Product Reports, 2012, 29, 642.	10.3	19
93	Characterization of mucusâ€associated proteins from abalone (Haliotis) â€“ candidates for chemical signaling. FEBS Journal, 2012, 279, 437-450.	4.7	19
94	The effects of biogenic amines, gonadotropin-releasing hormones and corazonin on spermatogenesis in sexually mature small giant freshwater prawns, Macrobrachium rosenbergii (De Man, 1879). Aquaculture, 2011, 321, 121-129.	3.5	39
95	Characterization of a GABAA receptor Î² subunit in the abalone Haliotis asinina that is upregulated during larval development. Journal of Experimental Marine Biology and Ecology, 2011, 410, 53-60.	1.5	14
96	Extreme Aggression in Male Squid Induced by a Î²-MSP-like Pheromone. Current Biology, 2011, 21, 322-327.	3.9	53
97	Molecular analysis of two FMRFamideâ€encoding transcripts expressed during the development of the tropical abalone haliotis asinina. Journal of Comparative Neurology, 2011, 519, 2043-2059.	1.6	22
98	The existence of gonadotropin-releasing hormone-like peptides in the neural ganglia and ovary of the abalone, Haliotis asinina L.. Acta Histochemica, 2010, 112, 557-566.	1.8	23
99	FMRFamide gene and peptide expression during central nervous system development of the cephalopod mollusk, Idiosepius notoides. Evolution & Development, 2010, 12, 113-130.	2.0	49
100	The Amphimedon queenslandica genome and the evolution of animal complexity. Nature, 2010, 466, 720-726.	27.8	917
101	Male Accessory Gland Protein Reduces Egg Laying in a Simultaneous Hermaphrodite. PLoS ONE, 2010, 5, e10117.	2.5	65
102	Sensory sea slugs. Communicative and Integrative Biology, 2010, 3, 423-426.	1.4	8
103	Ancient Protostome Origin of Chemosensory Ionotropic Glutamate Receptors and the Evolution of Insect Taste and Olfaction. PLoS Genetics, 2010, 6, e1001064.	3.5	680
104	Identification of an Attractin-Like Pheromone in the Mucus-Secreting Hypobranchial Gland of the AbaloneHaliotis asininaLinnaeus. Journal of Shellfish Research, 2010, 29, 699-704.	0.9	6
105	Conservation of the egg-laying hormone neuropeptide and attractin pheromone in the spotted sea hare, Aplysia dactylomela. Peptides, 2010, 31, 394-401.	2.4	17
106	Identification of Genes Differentially Expressed in the Ganglia of GrowingHaliotis asinina. Journal of Shellfish Research, 2010, 29, 741-752.	0.9	5
107	Molecular identification of candidate chemoreceptor genes and signal transduction components in the sensory epithelium ofAplysia. Journal of Experimental Biology, 2009, 212, 2037-2044.	1.7	17
108	Settlement specifics. Communicative and Integrative Biology, 2009, 2, 347-349.	1.4	8

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109	Molecular characterization and analysis of a truncated serotonin receptor gene expressed in neural and reproductive tissues of abalone. Histochemistry and Cell Biology, 2009, 131, 629-642.	1.7	16
110	Candidate chemoreceptor subfamilies differentially expressed in the chemosensory organs of the mollusc Aplysia. BMC Biology, 2009, 7, 28.	3.8	47
111	Expression of prohormone convertase 2 and the generation of neuropeptides in the developing nervous system of the gastropod Haliotis. International Journal of Developmental Biology, 2009, 53, 1081-1088.	0.6	14
112	Characterization of Aplysia Alb-1, a candidate water-borne protein pheromone released during egg laying. Peptides, 2008, 29, 152-161.	2.4	14
113	Gene identification and evidence for expression of G protein Î± subunits, phospholipase C, and an inositol 1,4,5-trisphosphate receptor in Aplysia californica rhinophore. Genomics, 2007, 90, 110-120.	2.9	9
114	Recombinant production and structural studies of the Aplysia water-borne protein pheromone enticin indicates it has a novel disulfide stabilized fold. Peptides, 2007, 28, 94-102.	2.4	7
115	Aplysia temptinâ€ƒâ€ƒâ€ƒthe â€˜glueâ€™ in the waterâ€borne attractin pheromone complex. FEBS Journal, 2007, 274, 5425-5437.	4.7	24
116	Newly identified water-borne protein pheromones interact with attractin to stimulate mate attraction in Aplysia. Peptides, 2006, 27, 597-606.	2.4	35
117	Molluscan attractins, a family of water-borne protein pheromones with interspecific attractiveness. Peptides, 2005, 26, 121-129.	2.4	31
118	Aplysia seductin is a water-borne protein pheromone that acts in concert with attractin to stimulate mate attraction. Peptides, 2005, 26, 351-359.	2.4	35
119	Aplysia capsulin is localized to egg capsules and egg cordon sheaths and shares sequence homology with Drosophila dec-1 gene products. Peptides, 2005, 26, 589-596.	2.4	6
120	Structural and functional analysis of Aplysia attractins, a family of water-borne protein pheromones with interspecific attractiveness. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6929-6933.	7.1	53
121	Characterization of Aplysia Enticin and Temptin, Two Novel Water-borne Protein Pheromones That Act in Concert with Attractin to Stimulate Mate Attraction. Journal of Biological Chemistry, 2004, 279, 25614-25622.	3.4	71
122	A conserved heptapeptide sequence in the waterborne attractin pheromone stimulates mate attraction in Aplysia. Peptides, 2004, 25, 185-189.	2.4	17
123	Peptide products of the atrial gland are not water-borne reproductive pheromones during egg laying in Aplysia. Peptides, 2003, 24, 1117-1122.	2.4	9
124	Teneurin and TCAP Phylogeny and Physiology: Molecular Analysis, Immune Activity, and Transcriptomic Analysis of the Stress Response in the Sydney Rock Oyster (Saccostrea glomerata) Hemocytes. Frontiers in Endocrinology, 0, 13, .	3.5	3