

Tomer Ventura

List of Publications by Year in descending order

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68
papers

2,781
citations

136950

32
h-index

182427

51
g-index

72
all docs

72
docs citations

72
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal Silencing of an Androgenic Gland-Specific Insulin-Like Gene Affecting Phenotypical Gender Differences and Spermatogenesis. <i>Endocrinology</i> , 2009, 150, 1278-1286.	2.8	227
2	Timing Sexual Differentiation: Full Functional Sex Reversal Achieved Through Silencing of a Single Insulin-Like Gene in the Prawn, <i>Macrobrachium rosenbergii</i> 1. <i>Biology of Reproduction</i> , 2012, 86, 90.	2.7	158
3	Insulin and gender: An insulin-like gene expressed exclusively in the androgenic gland of the male crayfish. <i>General and Comparative Endocrinology</i> , 2007, 150, 326-336.	1.8	157
4	A Sexual Shift Induced by Silencing of a Single Insulin-Like Gene in Crayfish: Ovarian Upregulation and Testicular Degeneration. <i>PLoS ONE</i> , 2010, 5, e15281.	2.5	143
5	From the discovery of the crustacean androgenic gland to the insulin-like hormone in six decades. <i>General and Comparative Endocrinology</i> , 2011, 173, 381-388.	1.8	132
6	The insulin-like androgenic gland hormone in crustaceans: From a single gene silencing to a wide array of sexual manipulation-based biotechnologies. <i>Biotechnology Advances</i> , 2012, 30, 1543-1550.	11.7	114
7	Identification and Characterization of an Insulin-Like Receptor Involved in Crustacean Reproduction. <i>Endocrinology</i> , 2016, 157, 928-941.	2.8	98
8	Analysis of the Central Nervous System Transcriptome of the Eastern Rock Lobster <i>Sagmariasus verreauxi</i> Reveals Its Putative Neuropeptidome. <i>PLoS ONE</i> , 2014, 9, e97323.	2.5	89
9	Discovery of a novel insulin-like peptide and insulin binding proteins in the Eastern rock lobster <i>Sagmariasus verreauxi</i> . <i>General and Comparative Endocrinology</i> , 2015, 215, 76-87.	1.8	70
10	Androgenic gland implantation promotes growth and inhibits vitellogenesis in <i>Cherax quadricarinatus</i> females held in individual compartments. <i>Invertebrate Reproduction and Development</i> , 2004, 45, 151-159.	0.8	69
11	Gene Silencing in Crustaceans: From Basic Research to Biotechnologies. <i>Genes</i> , 2013, 4, 620-645.	2.4	69
12	Transcriptomic characterization and curation of candidate neuropeptides regulating reproduction in the eyestalk ganglia of the Australian crayfish, <i>Cherax quadricarinatus</i> . <i>Scientific Reports</i> , 2016, 6, 38658.	3.3	69
13	In silico prediction of the G-protein coupled receptors expressed during the metamorphic molt of <i>Sagmariasus verreauxi</i> (Crustacea: Decapoda) by mining transcriptomic data: RNA-seq to repertoire. <i>General and Comparative Endocrinology</i> , 2016, 228, 111-127.	1.8	65
14	Production of recombinant insulin-like androgenic gland hormones from three decapod species: In vitro testicular phosphorylation and activation of a newly identified tyrosine kinase receptor from the Eastern spiny lobster, <i>Sagmariasus verreauxi</i> . <i>General and Comparative Endocrinology</i> , 2016, 229, 8-18.	1.8	64
15	Expression of an Androgenic Gland-Specific Insulin-Like Peptide during the Course of Prawn Sexual and Morphotypic Differentiation. <i>Isrn Endocrinology</i> , 2011, 2011, 1-11.	2.0	62
16	Production, gene structure and characterization of two orthologs of leptin and a leptin receptor in tilapia. <i>General and Comparative Endocrinology</i> , 2014, 207, 74-85.	1.8	61
17	Isolation and characterization of a female-specific DNA marker in the giant freshwater prawn <i>Macrobrachium rosenbergii</i> . <i>Heredity</i> , 2011, 107, 456-461.	2.6	48
18	Insights Into Sexual Maturation and Reproduction in the Norway Lobster (<i>Nephrops norvegicus</i>) via in silico Prediction and Characterization of Neuropeptides and G Protein-coupled Receptors. <i>Frontiers in Endocrinology</i> , 2018, 9, 430.	3.5	45

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19	HSP60 is transported through the secretory pathway of 3â€MCAâ€induced fibrosarcoma tumour cells and undergoes Nâ€glycosylation. <i>FEBS Journal</i> , 2012, 279, 2083-2095.	4.7	44
20	In-vitro and in-vivo biological activity of recombinant yellowtail kingfish (<i>Seriola lalandi</i>) follicle stimulating hormone. <i>General and Comparative Endocrinology</i> , 2017, 241, 41-49.	1.8	44
21	Redefining metamorphosis in spiny lobsters: molecular analysis of the phyllosoma to puerulus transition in <i>Sagmariasus verreauxi</i> . <i>Scientific Reports</i> , 2015, 5, 13537.	3.3	43
22	Characterization of G-protein coupled receptors from the blackback land crab <i>Gecarcinus lateralis</i> Y organ transcriptome over the molt cycle. <i>BMC Genomics</i> , 2019, 20, 74.	2.8	43
23	Post-Embryonic Transcriptomes of the Prawn <i>Macrobrachium rosenbergii</i> : Multigenic Succession through Metamorphosis. <i>PLoS ONE</i> , 2013, 8, e55322.	2.5	39
24	Y-linked iDmrt1 paralogue (iDMY) in the Eastern spiny lobster, <i>Sagmariasus verreauxi</i> : The first invertebrate sex-linked Dmrt. <i>Developmental Biology</i> , 2017, 430, 337-345.	2.0	38
25	The Chinese mitten crab genome provides insights into adaptive plasticity and developmental regulation. <i>Nature Communications</i> , 2021, 12, 2395.	12.8	38
26	Understanding Insulin Endocrinology in Decapod Crustacea: Molecular Modelling Characterization of an Insulin-Binding Protein and Insulin-Like Peptides in the Eastern Spiny Lobster, <i>Sagmariasus verreauxi</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 1832.	4.1	37
27	Identification and characterization of androgenic gland specific insulin-like peptide-encoding transcripts in two spiny lobster species: <i>Sagmariasus verreauxi</i> and <i>Jasus edwardsii</i> . <i>General and Comparative Endocrinology</i> , 2015, 214, 126-133.	1.8	36
28	Gonadotropin-releasing hormone and adipokinetic hormone/corazonin-related peptide in the female prawn. <i>General and Comparative Endocrinology</i> , 2016, 236, 70-82.	1.8	36
29	The decapod researcherâ€™s guide to the galaxy of sex determination. <i>Hydrobiologia</i> , 2018, 825, 61-80.	2.0	36
30	The crustacean ecdysone cassette: A gatekeeper for molt and metamorphosis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 185, 172-183.	2.5	36
31	Applying the Power of Transcriptomics: Understanding Male Sexual Development in Decapod Crustacea. <i>Integrative and Comparative Biology</i> , 2016, 56, 1144-1156.	2.0	35
32	Effect of dietary lipid source on expression of lipid metabolism genes and tissue lipid profile in juvenile spiny lobster <i>Sagmariasus verreauxi</i> . <i>Aquaculture</i> , 2017, 479, 342-351.	3.5	34
33	Sex and tissue specific gene expression patterns identified following de novo transcriptomic analysis of the Norway lobster, <i>Nephrops norvegicus</i> . <i>BMC Genomics</i> , 2017, 18, 622.	2.8	34
34	Twelve quick steps for genome assembly and annotation in the classroom. <i>PLoS Computational Biology</i> , 2020, 16, e1008325.	3.2	34
35	Male Sexual Development and the Androgenic Gland: Novel Insights through the de novo Assembled Transcriptome of the Eastern Spiny Lobster, <i>Sagmariasus verreauxi</i> . <i>Sexual Development</i> , 2015, 9, 338-354.	2.0	30
36	Toward the identification of female gonad-stimulating factors in crustaceans. <i>Hydrobiologia</i> , 2018, 825, 91-119.	2.0	29

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37	Apparent digestibility of raw materials by yellowtail kingfish (<i>Seriola lalandi</i>). <i>Aquaculture</i> , 2019, 511, 734233.	3.5	24
38	Atlantic Salmon (<i>Salmo salar</i> L., 1758) Gut Microbiota Profile Correlates with Flesh Pigmentation: Cause or Effect?. <i>Marine Biotechnology</i> , 2020, 22, 786-804.	2.4	24
39	Skeletal anomaly assessment in diploid and triploid juvenile Atlantic salmon (<i>Salmo salar</i> L.) and the effect of temperature in freshwater. <i>Journal of Fish Diseases</i> , 2016, 39, 449-466.	1.9	20
40	Multi-Tissue Transcriptome Analysis Identifies Key Sexual Development-Related Genes of the Ornate Spiny Lobster (<i>Panulirus ornatus</i>). <i>Genes</i> , 2020, 11, 1150.	2.4	20
41	Epidermal Growth Factor Receptor in the Prawn <i>Macrobrachium rosenbergii</i> : Function and Putative Signaling Cascade. <i>Endocrinology</i> , 2013, 154, 3188-3196.	2.8	19
42	CYP450s analysis across spiny lobster metamorphosis identifies a long sought missing link in crustacean development. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 171, 262-269.	2.5	19
43	Concurrence of lower jaw skeletal anomalies in triploid Atlantic salmon (<i>Salmo salar</i> L.) and the effect on growth in freshwater. <i>Journal of Fish Diseases</i> , 2016, 39, 1509-1521.	1.9	18
44	CrustyBase: an interactive online database for crustacean transcriptomes. <i>BMC Genomics</i> , 2020, 21, 637.	2.8	18
45	Crustacean metamorphosis: an omics perspective. <i>Hydrobiologia</i> , 2018, 825, 47-60.	2.0	16
46	Molecular aspects of eye development and regeneration in the Australian redclaw crayfish, <i>Cherax quadricarinatus</i> . <i>Aquaculture and Fisheries</i> , 2019, 4, 27-36.	2.2	15
47	Transcriptomic changes across vitellogenesis in the black tiger prawn (<i>Penaeus monodon</i>), neuropeptides and G protein-coupled receptors repertoire curation. <i>General and Comparative Endocrinology</i> , 2020, 298, 113585.	1.8	15
48	Assessing the Pyloric Caeca and Distal Gut Microbiota Correlation with Flesh Color in Atlantic Salmon (<i>Salmo salar</i> L., 1758). <i>Microorganisms</i> , 2020, 8, 1244.	3.6	15
49	Biomolecular changes that occur in the antennal gland of the giant freshwater prawn (<i>Macrobrachium rosenbergii</i>). <i>PLoS ONE</i> , 2017, 12, e0177064.	2.5	13
50	Guidelines for RNA-seq projects: applications and opportunities in non-model decapod crustacean species. <i>Hydrobiologia</i> , 2018, 825, 5-27.	2.0	13
51	Early immune suppression leads to uncontrolled mite proliferation and potent host inflammatory responses in a porcine model of crusted versus ordinary scabies. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008601.	3.0	13
52	Transcriptional profiling of spiny lobster metamorphosis reveals three new additions to the nuclear receptor superfamily. <i>BMC Genomics</i> , 2019, 20, 531.	2.8	11
53	Intestinal Transcriptome Analysis Highlights Key Differentially Expressed Genes Involved in Nutrient Metabolism and Digestion in Yellowtail Kingfish (<i>Seriola lalandi</i>) Fed Terrestrial Animal and Plant Proteins. <i>Genes</i> , 2020, 11, 621.	2.4	11
54	Characterization of Shed genes encoding ecdysone 20-monooxygenase (CYP314A1) in the Y-organ of the blackback land crab, <i>Gecarcinus lateralis</i> . <i>General and Comparative Endocrinology</i> , 2021, 301, 113658.	1.8	10

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55	Ecdysis triggering hormone modulates molt behaviour in the redclaw crayfish <i>Cherax quadricarinatus</i> , providing a mechanistic evidence for conserved function in molt regulation across Pancrustacea. <i>General and Comparative Endocrinology</i> , 2020, 298, 113556.	1.8	9
56	Multigenic Delineation of Lower Jaw Deformity in Triploid Atlantic Salmon (<i>Salmo salar</i> L.). <i>PLoS ONE</i> , 2016, 11, e0168454.	2.5	8
57	Physiological status and nutritional condition of cultured juvenile <i>Thenus australiensis</i> over the moult cycle. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 250, 110504.	1.6	8
58	Alternative Feed Raw Materials Modulate Intestinal Microbiota and Its Relationship with Digestibility in Yellowtail Kingfish <i>Seriola lalandi</i> . <i>Fishes</i> , 2020, 5, 14.	1.7	8
59	Deploying new generation sequencing for the study of flesh color depletion in Atlantic Salmon (<i>Salmo salar</i>). <i>BMC Genomics</i> , 2021, 22, 545.	2.8	8
60	Monosex in Aquaculture. <i>Results and Problems in Cell Differentiation</i> , 2018, 65, 91-101.	0.7	8
61	Molecular characterization of <i>sdf1</i> and <i>cxcr4</i> in the Mozambique tilapia, <i>Oreochromis mossambicus</i> . <i>Animal Reproduction Science</i> , 2017, 176, 51-63.	1.5	7
62	Two Homogametic Genotypes “One Crayfish: On the Consequences of Intersexuality. <i>IScience</i> , 2020, 23, 101652.	4.1	7
63	Double-Stranded RNA Binding Proteins in Serum Contribute to Systemic RNAi Across Phyla”Towards Finding the Missing Link in Achelata. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6967.	4.1	5
64	Evaluation of genes involved in Norway lobster (<i>Nephrops norvegicus</i>) female sexual maturation using transcriptomic analysis. <i>Hydrobiologia</i> , 2018, 825, 137-158.	2.0	4
65	Transcriptomic Analysis and Time to Hatch Visual Prediction of Embryo Development in the Ornate Spiny Lobster (<i>Panulirus ornatus</i>). <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	4
66	Neural remodelling in spiny lobster larvae is characterized by broad neuropeptide suppression. <i>General and Comparative Endocrinology</i> , 2020, 294, 113496.	1.8	3
67	Crustacean larval factor shares structural characteristics with the insect-specific follicle cell protein. <i>Scientific Reports</i> , 2019, 9, 2847.	3.3	1
68	Crustacean nuclear localization signals help facilitating the delivery of DNA into Australian red-claw crayfish cells. <i>Aquaculture</i> , 2019, 499, 149-159.	3.5	0