

Pascal Favrel

List of Publications by Year in descending order

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55
papers

2,408
citations

172457

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48
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all docs

56
docs citations

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times ranked

2149
citing authors

#	ARTICLE	IF	CITATIONS
1	Transforming growth factor- β -related proteins: an ancestral and widespread superfamily of cytokines in metazoans. <i>Developmental and Comparative Immunology</i> , 2004, 28, 461-485.	2.3	189
2	Characterization of a Defensin from the Oyster <i>Crassostrea gigas</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 313-323.	3.4	166
3	Increasing genomic information in bivalves through new EST collections in four species: Development of new genetic markers for environmental studies and genome evolution. <i>Gene</i> , 2008, 408, 27-36.	2.2	132
4	Generation and analysis of a 29,745 unique Expressed Sequence Tags from the Pacific oyster (<i>Crassostrea gigas</i>) assembled into a publicly accessible database: the GigasDatabase. <i>BMC Genomics</i> , 2009, 10, 341.	2.8	127
5	DNA Methylation Is Crucial for the Early Development in the Oyster <i>C. gigas</i> . <i>Marine Biotechnology</i> , 2013, 15, 739-753.	2.4	126
6	RNA interference in oyster <i>Crassostrea gigas</i> : <i>Crassostrea</i> <i>vasa</i> silencing inhibits germ cell development. <i>FEBS Journal</i> , 2009, 276, 2566-2573.	4.7	102
7	Neuropeptides encoded by the genomes of the Akoya pearl oyster <i>Pinctada fucata</i> and Pacific oyster <i>Crassostrea gigas</i> : a bioinformatic and peptidomic survey. <i>BMC Genomics</i> , 2014, 15, 840.	2.8	88
8	Insect Myosuppressins and Sulfakinins Stimulate Release of the Digestive Enzyme α -Amylase in Two Invertebrates: The Scallop <i>Pecten maximus</i> and Insect <i>Rhynchophorus ferrugineus</i> . <i>Annals of the New York Academy of Sciences</i> , 1997, 814, 335-338.	3.8	74
9	Gametogenesis in the Pacific Oyster <i>Crassostrea gigas</i> : A Microarrays-Based Analysis Identifies Sex and Stage Specific Genes. <i>PLoS ONE</i> , 2012, 7, e36353.	2.5	65
10	Dynamics of DNA methylomes underlie oyster development. <i>PLoS Genetics</i> , 2017, 13, e1006807.	3.5	65
11	Molecular cloning of a molluscan gonadotropin-releasing hormone receptor orthologue specifically expressed in the gonad. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1730, 187-195.	2.4	64
12	Characterization of GnRH-related peptides from the Pacific oyster <i>Crassostrea gigas</i> . <i>Peptides</i> , 2012, 34, 303-310.	2.4	60
13	Effects of different vertebrate growth factors on primary cultures of hemocytes from the gastropod mollusc, <i>Haliotis tuberculata</i> . <i>Biology of the Cell</i> , 1996, 86, 67-72.	2.0	58
14	Development of a Pacific oyster (<i>Crassostrea gigas</i>) 31,918-feature microarray: identification of reference genes and tissue-enriched expression patterns. <i>BMC Genomics</i> , 2011, 12, 468.	2.8	58
15	Diversity of the RFamide Peptide Family in Mollusks. <i>Frontiers in Endocrinology</i> , 2014, 5, 178.	3.5	58
16	Isolation and Identification of a Novel Ala-Pro-Gly-Trp-amide-Related Peptide Inhibiting the Motility of the Mature Oviduct in the Cuttlefish, <i>Sepia officinalis</i> . <i>Peptides</i> , 1997, 18, 1469-1474.	2.4	56
17	Characterization of an atypical family 18 chitinase from the oyster <i>Crassostrea gigas</i> : Evidence for a role in early development and immunity. <i>Developmental and Comparative Immunology</i> , 2007, 31, 559-570.	2.3	56
18	The Phylogenetically Conserved Molluscan Chitinase-like Protein 1 (Cg-Clp1), Homologue of Human HC-gp39, Stimulates Proliferation and Regulates Synthesis of Extracellular Matrix Components of Mammalian Chondrocytes. <i>Journal of Biological Chemistry</i> , 2006, 281, 29583-29596.	3.4	54

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19	Microarray-Based Identification of Gonad Transcripts Differentially Expressed Between Lines of Pacific Oyster Selected to Be Resistant or Susceptible to Summer Mortality. <i>Marine Biotechnology</i> , 2010, 12, 326-339.	2.4	53
20	Temperature influences histone methylation and mRNA expression of the Jmj-C histone-demethylase orthologues during the early development of the oyster <i>Crassostrea gigas</i> . <i>Marine Genomics</i> , 2015, 19, 23-30.	1.1	49
21	Structure and expression of mGDF, a new member of the transforming growth factor- β superfamily in the bivalve mollusc <i>Crassostrea gigas</i> . <i>FEBS Journal</i> , 2000, 267, 3986-3993.	0.2	47
22	Molecular cloning of a cDNA encoding the precursor of Ala-Pro-Gly-Trp amide-related neuropeptides from the bivalve mollusc <i>Mytilus edulis</i> . <i>Neuroscience Letters</i> , 1996, 205, 210-214.	2.1	44
23	Transcriptomic Profiling of Gametogenesis in Triploid Pacific Oysters <i>Crassostrea gigas</i> : Towards an Understanding of Partial Sterility Associated with Triploidy. <i>PLoS ONE</i> , 2014, 9, e112094.	2.5	39
24	Characterization of chitinase-like proteins (<i>Cg</i> -Clp1 and <i>Cg</i> -Clp2) involved in immune defence of the mollusc <i>Crassostrea gigas</i> . <i>FEBS Journal</i> , 2007, 274, 3646-3654.	4.7	35
25	GigaTON: an extensive publicly searchable database providing a new reference transcriptome in the pacific oyster <i>Crassostrea gigas</i> . <i>BMC Bioinformatics</i> , 2015, 16, 401.	2.6	34
26	Characterization of a gonad-specific transforming growth factor- β superfamily member differentially expressed during the reproductive cycle of the oyster <i>Crassostrea gigas</i> . <i>Gene</i> , 2008, 410, 187-196.	2.2	33
27	Structural and functional evidence for a singular repertoire of BMP receptor signal transducing proteins in the lophotrochozoan <i>Crassostrea gigas</i> suggests a shared ancestral BMP/activin pathway. <i>FEBS Journal</i> , 2005, 272, 3424-3440.	4.7	32
28	HPLC and electrospray ionization mass spectrometry as tools for the identification of APGWamide-related peptides in gastropod and bivalve mollusks: comparative activities on <i>Mytilus</i> muscles. <i>Brain Research</i> , 2000, 862, 162-170.	2.2	31
29	Functional characterization of a short neuropeptide F-related receptor in a Lophotrochozoa, the mollusk <i>Crassostrea gigas</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 2974-82.	1.7	31
30	Structure of the cDNA encoding the precursor for the neuropeptide FMRFamide in the bivalve mollusc <i>Mytilus edulis</i> . <i>NeuroReport</i> , 1998, 9, 2961-2965.	1.2	28
31	Alternative splicing of a single precursor mRNA generates two subtypes of Gonadotropin-Releasing Hormone receptor orthologues and their variants in the bivalve mollusc <i>Crassostrea gigas</i> . <i>Gene</i> , 2008, 414, 1-9.	2.2	27
32	Histone Methylation Participates in Gene Expression Control during the Early Development of the Pacific Oyster <i>Crassostrea gigas</i> . <i>Genes</i> , 2019, 10, 695.	2.4	27
33	The Jumonji gene family in <i>Crassostrea gigas</i> suggests evolutionary conservation of Jmj-C histone demethylases orthologues in the oyster gametogenesis and development. <i>Gene</i> , 2014, 538, 164-175.	2.2	26
34	Identification of new bone morphogenetic protein-related members in invertebrates. <i>Biochimie</i> , 2001, 83, 423-426.	2.6	25
35	Gene structure and expression of cg-ALR1, a type I activin-like receptor from the bivalve mollusc <i>Crassostrea gigas</i> . <i>Gene</i> , 2002, 301, 21-30.	2.2	24
36	Molecular and physiological characterization of an invertebrate homologue of a calcitonin-related receptor. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 972-978.	2.1	24

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37	Molecular evolution and functional characterisation of insulin related peptides in molluscs: Contributions of <i>Crassostrea gigas</i> genomic and transcriptomic-wide screening. <i>General and Comparative Endocrinology</i> , 2019, 271, 15-29.	1.8	24
38	Structural and functional characterizations of an Activin type II receptor orthologue from the pacific oyster <i>Crassostrea gigas</i> . <i>Gene</i> , 2009, 436, 101-107.	2.2	22
39	Effects of different vertebrate growth factors on primary cultures of hemocytes from the gastropod mollusc, <i>Haliotis tuberculata</i> . <i>Biology of the Cell</i> , 1996, 86, 67-72.	2.0	22
40	A Crucial Role in Fertility for the Oyster Angiotensin-Converting Enzyme Orthologue CgACE. <i>PLoS ONE</i> , 2011, 6, e27833.	2.5	16
41	Stimulation of alpha-Amylase Release in the Scallop <i>Pecten maximus</i> by the Myosuppressins: Structure-Activity Relationships. <i>Annals of the New York Academy of Sciences</i> , 1999, 897, 273-281.	3.8	15
42	Molecular characterization of a new leucine-rich repeat-containing G protein-coupled receptor from a bivalve mollusc: evolutionary implications. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004, 1680, 137-144.	2.4	15
43	Characterization of a tachykinin signalling system in the bivalve mollusc <i>Crassostrea gigas</i> . <i>General and Comparative Endocrinology</i> , 2018, 266, 110-118.	1.8	14
44	Identification of three singular glycosyl hydrolase family 18 members from the oyster <i>Crassostrea gigas</i> : Structural characterization, phylogenetic analysis and gene expression. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2011, 158, 56-63.	1.6	13
45	Emergence of a cholecystokinin/sulfakinin signalling system in Lophotrochozoa. <i>Scientific Reports</i> , 2018, 8, 16424.	3.3	12
46	A tolloid homologue from the Pacific oyster <i>Crassostrea gigas</i> . <i>Gene Expression Patterns</i> , 2007, 7, 700-708.	0.8	10
47	Characterization of an evolutionarily conserved calcitonin signaling system in a lophotrochozoan, the Pacific oyster (<i>Crassostrea gigas</i>). <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	10
48	Molecular characterization of an adipokinetic hormone-related neuropeptide (AKH) from a mollusk. <i>General and Comparative Endocrinology</i> , 2017, 243, 15-21.	1.8	9
49	Molecular and physiological characterization of a crustacean cardioactive signaling system in a lophotrochozoan – the Pacific oyster (<i>Crassostrea gigas</i>): a role in reproduction and salinity acclimation. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	5
50	Control of Growth and Differentiation in Bivalve Mollusc Larvae: Molecular Characterization of a New Factor from the Oyster <i>Crassostrea gigas</i> . <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 316-320.	3.8	4
51	Transcriptome Profiling of the Pacific Oyster <i>Crassostrea gigas</i> Visceral Ganglia over a Reproduction Cycle Identifies Novel Regulatory Peptides. <i>Marine Drugs</i> , 2021, 19, 452.	4.6	4
52	Data for evolutive analysis of insulin related peptides in bilaterian species. <i>Data in Brief</i> , 2019, 22, 546-550.	1.0	3
53	A functional m ⁶ A mRNA methylation pathway in the oyster <i>Crassostrea gigas</i> assumes epitranscriptomic regulation of lophotrochozoan development. <i>FEBS Journal</i> , 2021, 288, 1696-1711.	4.7	3
54	In vitro effects of vertebrate growth factors (h-EGF, b-FGF, h-IGF I and insulin) on bivalve and gastropod cell types. <i>Biology of the Cell</i> , 1995, 84, 101-101.	2.0	0

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55	A Novel Dop2/Invertebrate-Type Dopamine Signaling System Potentially Mediates Stress, Female Reproduction, and Early Development in the Pacific Oyster (<i>Crassostrea gigas</i>). <i>Marine Biotechnology</i> , 2021, 23, 683-694.	2.4	0