

# Pascal Favrel

## List of Publications by Year in descending order

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55  
papers

2,408  
citations

172457

29  
h-index

206112

48  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2149  
citing authors

#	ARTICLE	IF	CITATIONS
1	A functional m <sup>6</sup> A-RNA 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
2	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
3	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
4	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
5	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
6	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
7	Data for evolutive analysis of insulin related peptides in bilaterian species. <i>Data in Brief</i> , 2019, 22, 546-550.	1.0	3
8	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
9	Emergence of a cholecystokinin/sulfakinin signalling system in Lophotrochozoa. <i>Scientific Reports</i> , 2018, 8, 16424.	3.3	12
10	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
11	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
12	Dynamics of DNA methylomes underlie oyster development. <i>PLoS Genetics</i> , 2017, 13, e1006807.	3.5	65
13	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
14	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
15	Neuropeptides encoded by the genomes of the Akoya pearl oyster <i>Pinctata fucata</i> and Pacific oyster <i>Crassostrea gigas</i> : a bioinformatic and peptidomic survey. <i>BMC Genomics</i> , 2014, 15, 840.	2.8	88
16	Diversity of the RFamide Peptide Family in Mollusks. <i>Frontiers in Endocrinology</i> , 2014, 5, 178.	3.5	58
17	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
18	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

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19	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
20	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
21	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
22	Characterization of GnRH-related peptides from the Pacific oyster <i>Crassostrea gigas</i> . <i>Peptides</i> , 2012, 34, 303-310.	2.4	60
23	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
24	A Crucial Role in Fertility for the Oyster Angiotensin-Converting Enzyme Orthologue <i>CgACE</i> . <i>PLoS ONE</i> , 2011, 6, e27833.	2.5	16
25	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
26	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
27	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
28	<i>in vivo</i> RNA interference in oyster " <i>vasa</i> " silencing inhibits germ cell development. <i>FEBS Journal</i> , 2009, 276, 2566-2573.	4.7	102
29	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
30	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
31	Characterization of a gonad-specific transforming growth factor- $\beta$ 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
32	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
33	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
34	Characterization of chitinase-like proteins ( <i>Cg-Clp1</i> and <i>Cg-Clp2</i> ) involved in immune defence of the mollusc <i>Crassostrea gigas</i> . <i>FEBS Journal</i> , 2007, 274, 3646-3654.	4.7	35
35	A tolloid homologue from the Pacific oyster <i>Crassostrea gigas</i> . <i>Gene Expression Patterns</i> , 2007, 7, 700-708.	0.8	10
36	The Phylogenetically Conserved Molluscan Chitinase-like Protein 1 ( <i>Cg-Clp1</i> ), 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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37	Characterization of a Defensin from the Oyster <i>Crassostrea gigas</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 313-323.	3.4	166
38	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
39	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
40	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
41	Transforming growth factor- $\beta$ -related proteins: an ancestral and widespread superfamily of cytokines in metazoans. <i>Developmental and Comparative Immunology</i> , 2004, 28, 461-485.	2.3	189
42	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
43	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
44	Identification of new bone morphogenetic protein-related members in invertebrates. <i>Biochimie</i> , 2001, 83, 423-426.	2.6	25
45	Structure and expression of mGDF, a new member of the transforming growth factor- $\beta$ superfamily in the bivalve mollusc <i>Crassostrea gigas</i> . <i>FEBS Journal</i> , 2000, 267, 3986-3993.	0.2	47
46	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
47	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
48	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
49	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
50	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
51	Insect Myosuppressins and Sulfakinins Stimulate Release of the Digestive Enzyme $\alpha$ -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
52	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
53	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
54	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

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55	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