

# Paola Venier

## List of Publications by Year in descending order

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98  
papers

4,163  
citations

101496

36  
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118793

62  
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101  
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101  
docs citations

101  
times ranked

3525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic biomarker measurement and study of DNA adduct formation in benzo[a]pyrene-contaminated mussels, <i>Mytilus galloprovincialis</i> . <i>Aquatic Toxicology</i> , 2000, 49, 269-287.	1.9	188
2	Insights into the innate immunity of the Mediterranean mussel <i>Mytilus galloprovincialis</i> . <i>BMC Genomics</i> , 2011, 12, 69.	1.2	159
3	Detection of micronuclei in gill cells and haemocytes of mussels exposed to benzo[a]pyrene. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997, 390, 33-44.	0.9	151
4	Evaluation of the random amplified polymorphic DNA (RAPD) assay for the detection of DNA damage and mutations. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 521, 151-163.	0.9	148
5	The C1q domain containing proteins of the Mediterranean mussel <i>Mytilus galloprovincialis</i> : A widespread and diverse family of immune-related molecules. <i>Developmental and Comparative Immunology</i> , 2011, 35, 635-643.	1.0	142
6	Genetic effects of chromium compounds. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1983, 117, 279-300.	1.2	136
7	An updated molecular basis for mussel immunity. <i>Fish and Shellfish Immunology</i> , 2015, 46, 17-38.	1.6	135
8	Tissue dose, DNA adducts, oxidative DNA damage and CYP1A-immunopositive proteins in mussels exposed to waterborne benzo[a]pyrene. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998, 399, 17-30.	0.4	129
9	Development of mussel mRNA profiling: Can gene expression trends reveal coastal water pollution?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 602, 121-134.	0.4	113
10	Toll-like receptors and MyD88 adaptors in <i>Mytilus</i> : Complete cds and gene expression levels. <i>Developmental and Comparative Immunology</i> , 2013, 40, 158-166.	1.0	110
11	Big defensins and mytimacins, new AMP families of the Mediterranean mussel <i>Mytilus galloprovincialis</i> . <i>Developmental and Comparative Immunology</i> , 2012, 36, 390-399.	1.0	106
12	Massive gene presence-absence variation shapes an open pan-genome in the Mediterranean mussel. <i>Genome Biology</i> , 2020, 21, 275.	3.8	105
13	Gene transcription profiling in pollutant exposed mussels ( <i>Mytilus</i> spp.) using a new low-density oligonucleotide microarray. <i>Gene</i> , 2006, 376, 24-36.	1.0	102
14	MytiBase: a knowledgebase of mussel ( <i>M. galloprovincialis</i> ) transcribed sequences. <i>BMC Genomics</i> , 2009, 10, 72.	1.2	102
15	Disinfection of Ocular Cells and Tissues by Atmospheric-Pressure Cold Plasma. <i>PLoS ONE</i> , 2012, 7, e33245.	1.1	97
16	Study of Diseases and the Immune System of Bivalves Using Molecular Biology and Genomics. <i>Reviews in Fisheries Science</i> , 2008, 16, 133-156.	2.1	95
17	The genome of the Pacific oyster <i>Crassostrea gigas</i> brings new insights on the massive expansion of the C1q gene family in Bivalvia. <i>Developmental and Comparative Immunology</i> , 2015, 49, 59-71.	1.0	95
18	Characterization of mussel gill cells in vivo and in vitro. <i>Cell and Tissue Research</i> , 2005, 321, 131-140.	1.5	89

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19	High sequence variability of myticin transcripts in hemocytes of immune-stimulated mussels suggests ancient host–pathogen interactions. <i>Developmental and Comparative Immunology</i> , 2008, 32, 213-226.	1.0	83
20	Mortality occurrence and pathogen detection in <i>Crassostrea gigas</i> and <i>Mytilus galloprovincialis</i> close-growing in shallow waters (Goro lagoon, Italy). <i>Fish and Shellfish Immunology</i> , 2014, 41, 37-44.	1.6	79
21	Dual analysis of host and pathogen transcriptomes in ostreid herpesvirus 1–positive <i>Crassostrea gigas</i> . <i>Environmental Microbiology</i> , 2015, 17, 4200-4212.	1.8	75
22	Aquatic ecology of the oyster pathogens <i>Vibrio splendidus</i> and <i>Vibrio aestuarianus</i> . <i>Environmental Microbiology</i> , 2015, 17, 1065-1080.	1.8	72
23	International round-robin study on the Ames fluctuation test. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 185-197.	0.9	68
24	DNA Damage and Transcriptional Changes in the Gills of <i>Mytilus galloprovincialis</i> Exposed to Nanomolar Doses of Combined Metal Salts (Cd, Cu, Hg). <i>PLoS ONE</i> , 2013, 8, e54602.	1.1	68
25	Bivalve Omics: State of the Art and Potential Applications for the Biomonitoring of Harmful Marine Compounds. <i>Marine Drugs</i> , 2013, 11, 4370-4389.	2.2	67
26	Formation of DNA adducts in the gill tissue of <i>Mytilus galloprovincialis</i> treated with benzo[a]pyrene. <i>Aquatic Toxicology</i> , 1996, 34, 119-133.	1.9	65
27	Towards a catalogue of genes transcribed in multiple tissues of <i>Mytilus galloprovincialis</i> . <i>Gene</i> , 2003, 314, 29-40.	1.0	65
28	Biological monitoring of human exposure to coal tar. <i>International Archives of Occupational and Environmental Health</i> , 1989, 61, 363-368.	1.1	61
29	Toll signal transduction pathway in bivalves: Complete cds of intermediate elements and related gene transcription levels in hemocytes of immune stimulated <i>Mytilus galloprovincialis</i> . <i>Developmental and Comparative Immunology</i> , 2014, 45, 300-312.	1.0	61
30	Myticalins: A Novel Multigenic Family of Linear, Cationic Antimicrobial Peptides from Marine Mussels ( <i>Mytilus</i> spp.). <i>Marine Drugs</i> , 2017, 15, 261.	2.2	54
31	Cytotoxic, mutagenic and clastogenic effects of industrial chromium compounds. <i>Carcinogenesis</i> , 1982, 3, 1331-1338.	1.3	47
32	RNA sequencing and de novo assembly of the digestive gland transcriptome in <i>Mytilus galloprovincialis</i> fed with toxinogenic and non-toxic strains of <i>Alexandrium minutum</i> . <i>BMC Research Notes</i> , 2014, 7, 722.	0.6	47
33	Mediterranean Mussel Gene Expression Profile Induced by Okadaic Acid Exposure. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8276-8283.	4.6	45
34	Diversity and evolution of TIR-domain-containing proteins in bivalves and Metazoa: New insights from comparative genomics. <i>Developmental and Comparative Immunology</i> , 2017, 70, 145-164.	1.0	43
35	Immunity in Molluscs: Recognition and Effector Mechanisms, with a Focus on Bivalvia. , 2018, , 225-341.		43
36	IL-17 signaling components in bivalves: Comparative sequence analysis and involvement in the immune responses. <i>Developmental and Comparative Immunology</i> , 2015, 52, 255-268.	1.0	41

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37	Identification of a newly described OsHV-1 $\hat{\mu}$ var from the North Adriatic Sea (Italy). <i>Journal of General Virology</i> , 2018, 99, 693-703.	1.3	41
38	Interaction of nitrotriacetic acid with heavy metals in the induction of sister chromatid exchanges in cultured mammalian cells. <i>Environmental Mutagenesis</i> , 1985, 7, 381-390.	1.4	39
39	Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of workers exposed to coal tar pitch volatiles in an anode plant. <i>Carcinogenesis</i> , 1985, 6, 749-752.	1.3	35
40	Effects of nitrotriacetic acid on the induction of gene mutations and sister-chromatid exchanges by insoluble chromium compounds. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1985, 156, 219-228.	1.2	35
41	Functional Insights From the Evolutionary Diversification of Big Defensins. <i>Frontiers in Immunology</i> , 2020, 11, 758.	2.2	35
42	Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of humans exposed to therapeutical coal tar. <i>Carcinogenesis</i> , 1986, 7, 819-823.	1.3	34
43	Evidence of genetic damage in grass gobies and mussels from the Venice lagoon. <i>Environment International</i> , 2005, 31, 1053-1064.	4.8	33
44	The miRNA biogenesis in marine bivalves. <i>PeerJ</i> , 2016, 4, e1763.	0.9	32
45	Increased mutagenicity of chromium compounds by nitrotriacetic acid. <i>Environmental Mutagenesis</i> , 1985, 7, 185-200.	1.4	31
46	Susceptibility to genetic damage and cell types in Mediterranean mussels. <i>Marine Environmental Research</i> , 2002, 54, 487-491.	1.1	31
47	Expression of <i>Mytilus</i> immune genes in response to experimental challenges varied according to the site of collection. <i>Fish and Shellfish Immunology</i> , 2010, 28, 640-648.	1.6	31
48	Diversity of Coding Sequences and Gene Structures of the Antifungal Peptide Mytimycin (MytM) from the Mediterranean Mussel, <i>Mytilus galloprovincialis</i> . <i>Marine Biotechnology</i> , 2011, 13, 857-867.	1.1	31
49	Massively Parallel Amplicon Sequencing Reveals Isotype-Specific Variability of Antimicrobial Peptide Transcripts in <i>Mytilus galloprovincialis</i> . <i>PLoS ONE</i> , 2011, 6, e26680.	1.1	28
50	Structural and Antimicrobial Features of Peptides Related to Myticin C, a Special Defense Molecule from the Mediterranean Mussel <i>Mytilus galloprovincialis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9251-9259.	2.4	28
51	A Needle in A Haystack: Tracing Bivalve-Associated Viruses in High-Throughput Transcriptomic Data. <i>Viruses</i> , 2019, 11, 205.	1.5	28
52	Relationship Between Kinetics of Benzo[a]pyrene Bioaccumulation and DNA Binding in the Mussel <i>Mytilus galloprovincialis</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 1999, 62, 455-462.	1.3	21
53	Atmospheric-Pressure Cold Plasma Induces Transcriptional Changes in Ex Vivo Human Corneas. <i>PLoS ONE</i> , 2015, 10, e0133173.	1.1	21
54	Oyster RNA-seq Data Support the Development of Malacoherpesviridae Genomics. <i>Frontiers in Microbiology</i> , 2017, 8, 1515.	1.5	20

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55	A-to-I editing of Malacoherpesviridae RNAs supports the antiviral role of ADAR1 in mollusks. <i>BMC Evolutionary Biology</i> , 2019, 19, 149.	3.2	20
56	Induction of SOS response in <i>Escherichia coli</i> strain PQ37 by 16 chemical compounds and human urine extracts. <i>Mutagenesis</i> , 1989, 4, 51-57.	1.0	19
57	Genetic effects of chromium tannins. <i>Carcinogenesis</i> , 1985, 6, 1327-1335.	1.3	17
58	Identification and Characterization of a Novel Family of Cysteine-Rich Peptides (MgCRP-I) from <i>Mytilus galloprovincialis</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 2203-2219.	1.1	16
59	Colloidal Surface Active Maghemite Nanoparticles for Biologically Safe Cr(VI) Remediation: from Core-Shell Nanostructures to Pilot Plant Development. <i>Chemistry - A European Journal</i> , 2016, 22, 14219-14226.	1.7	16
60	Induced expression of cathelicidins in trout ( <i>Oncorhynchus mykiss</i> ) challenged with four different bacterial pathogens. <i>Journal of Peptide Science</i> , 2018, 24, e3089.	0.8	16
61	Digging into bivalve miRNAs: between conservation and innovation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200165.	1.8	16
62	Interactions of chromium with nitrilotriacetic acid (NTA) in the induction of genetic effects in bacteria. <i>Toxicological and Environmental Chemistry</i> , 1987, 14, 201-218.	0.6	15
63	DNA adducts in mussels and fish exposed to bulky genotoxic compounds. <i>Marine Environmental Research</i> , 2002, 54, 481-486.	1.1	14
64	Parallel analysis of miRNAs and mRNAs suggests distinct regulatory networks in <i>Crassostrea gigas</i> infected by <i>Ostreid herpesvirus 1</i> . <i>BMC Genomics</i> , 2020, 21, 620.	1.2	12
65	Metabolic activation of benzo[a]pyrene in two fetal mouse hepatocyte lines: induction of DNA adducts and micronuclei. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1996, 367, 135-141.	1.2	11
66	NMR Metabolite Profiles of the Bivalve Mollusc <i>Mytilus galloprovincialis</i> Before and After Immune Stimulation With <i>Vibrio splendidus</i> . <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 686770.	1.6	11
67	Analysis of synonymous codon usage patterns in sixty-four different bivalve species. <i>PeerJ</i> , 2015, 3, e1520.	0.9	11
68	Induction of gene mutations in <i>Salmonella</i> and <i>Drosophila</i> by soluble Cr(VI) compounds: Synergistic effects of nitrilotriacetic acid. <i>Toxicological and Environmental Chemistry</i> , 1989, 22, 27-38.	0.6	9
69	DNA Adducts in <i>Mytilus Galloprovincialis</i> and <i>Zosterisessor Ophiocephalus</i> Collected from PAC-Polluted and Reference Sites of the Venice Lagoon. <i>Polycyclic Aromatic Compounds</i> , 1996, 11, 67-73.	1.4	9
70	Characterization of Coastal Sites by Applying Genetic and Genotoxicity Markers in <i>Mytilus Galloprovincialis</i> and <i>Tapes Philippinarum</i> . <i>Chemistry and Ecology</i> , 2003, 19, 113-128.	0.6	9
71	Target Capture and Massive Sequencing of Genes Transcribed in <i>Mytilus galloprovincialis</i> . <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	9
72	Chaperone patterns in vernal keratoconjunctivitis are distinctive of cell and Hsp type and are modified by inflammatory stimuli. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016, 71, 403-411.	2.7	8

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73	Structural Insights into the Mode of Action of the Peptide Antibiotic Copsin. <i>Biochemistry</i> , 2017, 56, 4992-5001.	1.2	8
74	Mutagenic activity of carbon black dyes used in the leather industry. <i>Mutagenesis</i> , 1987, 2, 19-22.	1.0	7
75	Serum amyloid A in marine bivalves: An acute phase and innate immunity protein. <i>Developmental and Comparative Immunology</i> , 2016, 59, 136-144.	1.0	7
76	An Evolutionary Perspective of Dopachrome Tautomerase Enzymes in Metazoans. <i>Genes</i> , 2019, 10, 495.	1.0	6
77	A glimpse on metazoan ZNFX1 helicases, ancient players of antiviral innate immunity. <i>Fish and Shellfish Immunology</i> , 2022, 121, 456-466.	1.6	6
78	Mutagenic activity of chlorinated surface waters and humic acid solutions. <i>International Journal of Environmental Health Research</i> , 1994, 4, 17-31.	1.3	4
79	Cathelicidins. , 2016, , 225-237.		4
80	Expansion and loss events characterized the occurrence of MIF-like genes in bivalves. <i>Fish and Shellfish Immunology</i> , 2019, 93, 39-49.	1.6	4
81	Dual Analysis of Virus-Host Interactions: The Case of Ostreid herpesvirus 1 and the Cupped Oyster <i>Crassostrea gigas</i> . <i>Evolutionary Bioinformatics</i> , 2019, 15, 117693431983130.	0.6	4
82	Mutagenesis test on urine of workers exposed to polycyclic aromatic hydrocarbons in a anode plant. <i>Medicina Del Lavoro</i> , 1984, 75, 275-81.	0.3	4
83	ADAR-Editing during Ostreid Herpesvirus 1 Infection in <i>Crassostrea gigas</i> : Facts and Limitations. <i>MSphere</i> , 2022, , e0001122.	1.3	4
84	Alcohol metabolism in the upper digestive tract. <i>European Journal of Cancer Prevention</i> , 1992, 1, 25-32.	0.6	3
85	DNA ADDUCT DETECTION IN MUSSELS EXPOSED TO BULKY AROMATIC COMPOUNDS IN LABORATORY AND FIELD CONDITIONS. , 2001, , 65-83.		3
86	Immune-Related Signaling in Mussel and Bivalves. , 2016, , 93-105.		3
87	Cytotoxic, mutagenic and clastogenic activity of industrial chromium compounds. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1983, 113, 316-317.	0.4	1
88	Release of mutagens from finished leather. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1989, 226, 229-233.	1.2	1
89	Paired miRNA and RNA sequencing provides a first insight into molecular defense mechanisms of <i>Scapharca broughtonii</i> during ostreid herpesvirus-1 infection. <i>Fish and Shellfish Immunology</i> , 2022, , .	1.6	1
90	Validation of SOS chromotest with chemical compounds and biological samples. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1988, 203, 228.	0.4	0

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91	Relationship between total urinary PAH, 1-OH pyrene levels and mutagenicity of urinary extracts from psoriatic patients exposed to therapeutic coal tar-based ointment. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1988, 203, 246.	0.4	0
92	Evaluation of the mutagenicity of water organic extracts by the Salmonella/microsome assay. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1992, 271, 182.	0.4	0
93	Expression and diversity of AMP and other immune-related molecules in <i>M. galloprovincialis</i> . Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 157, S6.	0.8	0
94	Characterization of the salmonid cathelicidins and of their biological activities. Fish and Shellfish Immunology, 2013, 34, 1651.	1.6	0
95	Forcing host-pathogen interactions in <i>C. gigas</i> and <i>M. galloprovincialis</i> transplanted into the goro lagoon (North Adriatic sea, Italy). Fish and Shellfish Immunology, 2013, 34, 1682.	1.6	0
96	First evidence of a Toll signaling pathway involved in innate immune response in Lophotrochozoa. Fish and Shellfish Immunology, 2013, 34, 1742.	1.6	0
97	Biotechnologies from Marine Bivalves. , 2019, , 95-112.		0
98	Mutagenic Activity of Nitroacetic Acid. Archives of Toxicology Supplement, 1984, , 407-407.	0.7	0