

Louis Du Pasquier

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137 papers	6,360 citations	48 h-index	75 g-index
139 ext. papers	6,999 ext. citations	6.8 avg, IF	5.57 L-index

#	Paper	IF	Citations
137	Immunoreceptor tyrosine-based inhibition motifs: a quest in the past and future. <i>Immunological Reviews</i> , 2008 , 224, 11-43	11.3	257
136	Genomic analysis of immunity in a Urochordate and the emergence of the vertebrate immune system: "waiting for Godot". <i>Immunogenetics</i> , 2003 , 55, 570-81	3.2	237
135	Heterogeneity of endothelial junctions is reflected by differential expression and specific subcellular localization of the three JAM family members. <i>Blood</i> , 2001 , 98, 3699-707	2.2	223
134	Genetics of polyploid <i>Xenopus</i> . <i>Trends in Genetics</i> , 1986 , 2, 310-315	8.5	222
133	Plasticity of animal genome architecture unmasked by rapid evolution of a pelagic tunicate. <i>Science</i> , 2010 , 330, 1381-5	33.3	212
132	Evolution of innate and adaptive immunity: can we draw a line?. <i>Trends in Immunology</i> , 2004 , 25, 640-4	14.4	202
131	The first myriapod genome sequence reveals conservative arthropod gene content and genome organisation in the centipede <i>Strigamia maritima</i> . <i>PLoS Biology</i> , 2014 , 12, e1002005	9.7	182
130	Antibody diversity in lower vertebrates--why is it so restricted?. <i>Nature</i> , 1982 , 296, 311-3	50.4	139
129	An evolutionarily conserved target motif for immunoglobulin class-switch recombination. <i>Nature Immunology</i> , 2004 , 5, 1275-81	19.1	136
128	The Dscam homologue of the crustacean <i>Daphnia</i> is diversified by alternative splicing like in insects. <i>Molecular Biology and Evolution</i> , 2008 , 25, 1429-39	8.3	120
127	Is <i>Xenopus</i> IgX an analog of IgA?. <i>European Journal of Immunology</i> , 1996 , 26, 2823-30	6.1	105
126	Changes in the immune system during metamorphosis of <i>Xenopus</i> . <i>Trends in Immunology</i> , 1987 , 8, 58-64		104
125	CTX, a <i>Xenopus</i> thymocyte receptor, defines a molecular family conserved throughout vertebrates. <i>European Journal of Immunology</i> , 1998 , 28, 4094-104	6.1	102
124	Cloning of the unculturable parasite <i>Pasteuria ramosa</i> and its <i>Daphnia</i> host reveals extreme genotype-genotype interactions. <i>Ecology Letters</i> , 2011 , 14, 125-31	10	99
123	On the origins of the adaptive immune system: novel insights from invertebrates and cold-blooded vertebrates. <i>Trends in Immunology</i> , 2004 , 25, 105-11	14.4	98
122	The immune system of invertebrates and vertebrates. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001 , 129, 1-15	2.3	97
121	A large repertoire of parasite epitopes matched by a large repertoire of host immune receptors in an invertebrate host/parasite model. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e813	4.8	93

120	B-cell development in the amphibian <i>Xenopus</i> . <i>Immunological Reviews</i> , 2000 , 175, 201-13	11.3	87
119	Immunoglobulin superfamily receptors in protochordates: before RAG time. <i>Immunological Reviews</i> , 2004 , 198, 233-48	11.3	86
118	Expression of MHC class II antigens during <i>Xenopus</i> development. <i>Autoimmunity</i> , 1990 , 1, 85-95		85
117	Immune responses of thymus/lymphocyte embryonic chimeras: studies on tolerance and major histocompatibility complex restriction in <i>Xenopus</i> . <i>European Journal of Immunology</i> , 1985 , 15, 540-7	6.1	83
116	Microsites for immunoglobulin switch recombination breakpoints from <i>Xenopus</i> to mammals. <i>European Journal of Immunology</i> , 1997 , 27, 2610-9	6.1	82
115	The chicken leukocyte receptor complex: a highly diverse multigene family encoding at least six structurally distinct receptor types. <i>Journal of Immunology</i> , 2005 , 175, 385-93	5.3	82
114	The B7 family of immunoregulatory receptors: a comparative and evolutionary perspective. <i>Molecular Immunology</i> , 2009 , 46, 457-72	4.3	81
113	The chicken leukocyte receptor complex encodes a primordial, activating, high-affinity IgY Fc receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11718-23	11.5	81
112	Studies on <i>Xenopus</i> immunoglobulins using monoclonal antibodies. <i>Molecular Immunology</i> , 1984 , 21, 257-70	4.3	78
111	Ontogeny of immunity in amphibians: changes in antibody repertoires and appearance of adult major histocompatibility antigens in <i>Xenopus</i> . <i>European Journal of Immunology</i> , 1979 , 9, 900-6	6.1	74
110	Origin and evolution of TRIM proteins: new insights from the complete TRIM repertoire of zebrafish and pufferfish. <i>PLoS ONE</i> , 2011 , 6, e22022	3.7	73
109	Endothelial adhesion molecule ESAM binds directly to the multidomain adaptor MAGI-1 and recruits it to cell contacts. <i>Experimental Cell Research</i> , 2004 , 300, 121-33	4.2	72
108	Conservation of an alpha 2 domain within the teleostean world, MHC class I from the rainbow trout <i>Oncorhynchus mykiss</i> . <i>Developmental and Comparative Immunology</i> , 1996 , 20, 417-25	3.2	66
107	Identification of class I major histocompatibility complex encoded molecules in the amphibian <i>Xenopus</i> . <i>Immunogenetics</i> , 1984 , 20, 433-42	3.2	65
106	Costimulatory receptors in jawed vertebrates: conserved CD28, odd CTLA4 and multiple BTLAs. <i>Developmental and Comparative Immunology</i> , 2007 , 31, 255-71	3.2	64
105	Phylogeny of B-cell development. <i>Current Opinion in Immunology</i> , 1993 , 5, 185-93	7.8	62
104	A family of variable immunoglobulin and lectin domain containing molecules in the snail <i>Biomphalaria glabrata</i> . <i>Developmental and Comparative Immunology</i> , 2015 , 48, 234-43	3.2	58
103	CTX, a novel molecule specifically expressed on the surface of cortical thymocytes in <i>Xenopus</i> . <i>European Journal of Immunology</i> , 1996 , 26, 780-91	6.1	58

102	Structural and functional analysis of spontaneous anti-nitrophenyl antibodies in three cyprinid fish species: carp (<i>Cyprinus carpio</i>), goldfish (<i>Carassius auratus</i>) and tench (<i>Tinca tinca</i>). <i>Developmental and Comparative Immunology</i> , 1984 , 8, 611-22	3.2	52
101	Genetic aspects of the tolerance to allografts induced at metamorphosis in the toad <i>Xenopus laevis</i> . <i>Immunogenetics</i> , 1975 , 2, 431-440	3.2	52
100	CD96 interaction with CD155 via its first Ig-like domain is modulated by alternative splicing or mutations in distal Ig-like domains. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2235-44	5.4	51
99	Sequence and expression of an <i>Eisenia fetida</i> -derived cDNA clone that encodes the 40-kDa fetidin antibacterial protein. <i>FEBS Journal</i> , 1997 , 246, 756-62		51
98	A novel family of diversified immunoregulatory receptors in teleosts is homologous to both mammalian Fc receptors and molecules encoded within the leukocyte receptor complex. <i>Immunogenetics</i> , 2006 , 58, 758-73	3.2	51
97	Lymphoid tumors of <i>Xenopus laevis</i> with different capacities for growth in larvae and adults. <i>Autoimmunity</i> , 1994 , 3, 297-307		51
96	A Population Biology Perspective on the Stepwise Infection Process of the Bacterial Pathogen <i>Pasteuria ramosa</i> in <i>Daphnia</i> . <i>Advances in Parasitology</i> , 2016 , 91, 265-310	3.2	51
95	The major histocompatibility complex of frogs. <i>Immunological Reviews</i> , 1990 , 113, 47-63	11.3	50
94	Immunological memory: What's in a name?. <i>Immunological Reviews</i> , 2018 , 283, 7-20	11.3	49
93	The T cell receptor beta genes of <i>Xenopus</i> . <i>European Journal of Immunology</i> , 1997 , 27, 763-71	6.1	49
92	Conservation of a master hematopoietic switch gene during vertebrate evolution: isolation and characterization of Ikaros from teleost and amphibian species. <i>European Journal of Immunology</i> , 1997 , 27, 3049-58	6.1	49
91	In vitro evidence for T-B lymphocyte collaboration in the clawed toad, <i>Xenopus</i> . <i>European Journal of Immunology</i> , 1980 , 10, 869-76	6.1	49
90	B-cells need a proper house, whereas T-cells are happy in a cave: the dependence of lymphocytes on secondary lymphoid tissues during evolution. <i>Trends in Immunology</i> , 2010 , 31, 144-53	14.4	48
89	Membrane exon sequences of the three <i>Xenopus</i> Ig classes explain the evolutionary origin of mammalian isotypes. <i>European Journal of Immunology</i> , 1996 , 26, 409-14	6.1	48
88	Evolution of the MHC: antigenicity and unusual tissue distribution of <i>Xenopus</i> (frog) class II molecules. <i>Molecular Immunology</i> , 1990 , 27, 451-62	4.3	48
87	MHC class I antigens as surface markers of adult erythrocytes during the metamorphosis of <i>Xenopus</i> . <i>Developmental Biology</i> , 1988 , 128, 198-206	3.1	48
86	No more non-model species: the promise of next generation sequencing for comparative immunology. <i>Developmental and Comparative Immunology</i> , 2014 , 45, 56-66	3.2	46
85	Origin of immunoglobulin isotype switching. <i>Current Biology</i> , 2012 , 22, 872-80	6.3	46

84	Axolotl MHC architecture and polymorphism. <i>European Journal of Immunology</i> , 1999 , 29, 2897-907	6.1	45
83	Transgenesis procedures in <i>Xenopus</i> . <i>Biology of the Cell</i> , 2008 , 100, 503-21	3.5	44
82	A human TAPBP (TAPASIN)-related gene, TAPBP-R. <i>European Journal of Immunology</i> , 2002 , 32, 1059-68	6.1	44
81	Genetic control of T helper cell function in the clawed toad <i>Xenopus laevis</i> . <i>European Journal of Immunology</i> , 1981 , 11, 151-5	6.1	43
80	Ontogeny of the alloimmune response against a transplanted tumor in <i>Xenopus laevis</i> . <i>Differentiation</i> , 1995 , 59, 135-44	3.5	41
79	Two highly divergent ancient allelic lineages of the transporter associated with antigen processing (TAP) gene in <i>Xenopus</i> : further evidence for co-evolution among MHC class I region genes. <i>European Journal of Immunology</i> , 2003 , 33, 3017-27	6.1	40
78	Immunogenetic studies on the cell-mediated cytotoxicity in the clawed toad <i>Xenopus laevis</i> . <i>Immunogenetics</i> , 1979 , 9, 443-454	3.2	40
77	Channel catfish leukocyte immune-type receptors contain a putative MHC class I binding site. <i>Immunogenetics</i> , 2007 , 59, 77-91	3.2	37
76	Ontogeny of the immune system in <i>Xenopus</i> . <i>Differentiation</i> , 1984 , 28, 109-115	3.5	37
75	Speculations on the origin of the vertebrate immune system. <i>Immunology Letters</i> , 2004 , 92, 3-9	4.1	36
74	In vitro growth of thymic tumor cell lines from <i>Xenopus</i> . <i>Autoimmunity</i> , 1992 , 2, 295-307		36
73	Ontogeny of the immune system in <i>Xenopus</i> . <i>Differentiation</i> , 1984 , 28, 116-122	3.5	36
72	Innate immunity in early chordates and the appearance of adaptive immunity. <i>Comptes Rendus - Biologies</i> , 2004 , 327, 591-601	1.4	34
71	Immunology. Insects diversify one molecule to serve two systems. <i>Science</i> , 2005 , 309, 1826-7	33.3	34
70	The genetic basis of resistance and matching-allele interactions of a host-parasite system: The <i>Daphnia magna</i> - <i>Pasteuria ramosa</i> model. <i>PLoS Genetics</i> , 2017 , 13, e1006596	6	34
69	Germline and somatic diversification of immune recognition elements in Metazoa. <i>Immunology Letters</i> , 2006 , 104, 2-17	4.1	33
68	Development of the early B cell population in <i>Xenopus</i> . <i>European Journal of Immunology</i> , 1998 , 28, 2947-59	6.1	32
67	Light chain heterogeneity in the amphibian <i>Xenopus</i> . <i>Molecular Immunology</i> , 1991 , 28, 985-94	4.3	32

66	Antibody diversity in amphibians: evidence for the inheritance of idiotypic specificities in isogenic <i>Xenopus</i> . <i>European Journal of Immunology</i> , 1980 , 10, 731-6	6.1	30
65	The third component of <i>Xenopus</i> complement: cDNA cloning, structural and functional analysis, and evidence for an alternate C3 transcript. <i>European Journal of Immunology</i> , 1995 , 25, 572-8	6.1	29
64	Factors affecting the reactivity of amphibian lymphocytes in a miniaturized technique of the mixed lymphocyte culture. <i>Journal of Immunological Methods</i> , 1973 , 3, 273-85	2.5	27
63	Origin and evolution of the vertebrate leukocyte receptors: the lesson from tunicates. <i>Immunogenetics</i> , 2009 , 61, 463-81	3.2	26
62	Hyperdiploid species hybrids for gene mapping in <i>Xenopus</i> . <i>Nature</i> , 1979 , 279, 157-8	50.4	25
61	Complexity of expressed CHIR genes. <i>Developmental and Comparative Immunology</i> , 2010 , 34, 866-73	3.2	24
60	Reagents Specific for MHC Class I Antigens of <i>Xenopus</i> . <i>American Zoologist</i> , 1991 , 31, 580-591		24
59	Origin and evolution of the vertebrate immune system. <i>Apmis</i> , 1992 , 100, 383-92	3.4	24
58	More than one way to produce protein diversity: duplication and limited alternative splicing of an adhesion molecule gene in basal arthropods. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 2999-3011	3.8	23
57	Trans-species polymorphism of the major histocompatibility complex-encoded proteasome subunit LMP7 in an amphibian genus, <i>Xenopus</i> . <i>Immunogenetics</i> , 2000 , 51, 186-92	3.2	23
56	Identification of a polymorphic collagen-like protein in the crustacean bacteria <i>Pasteuria ramosa</i> . <i>Research in Microbiology</i> , 2009 , 160, 792-9	4	22
55	New perspectives for large-scale repertoire analysis of immune receptors. <i>Molecular Immunology</i> , 2008 , 45, 2437-45	4.3	22
54	The expression of antibody diversity in natural and laboratory-made polyploid individuals of the clawed toad <i>Xenopus</i> . <i>Immunogenetics</i> , 1982 , 15, 251-60	3.2	22
53	in Pancrustacean Immunity: Current Status and a Look to the Future. <i>Frontiers in Immunology</i> , 2017 , 8, 662	8.4	21
52	ciCD94-1, an ascidian multipurpose C-type lectin-like receptor expressed in <i>Ciona intestinalis</i> hemocytes and larval neural structures. <i>Differentiation</i> , 2008 , 76, 267-82	3.5	21
51	Exon-intron organization of <i>Xenopus</i> MHC class II beta chain genes. <i>Immunogenetics</i> , 1995 , 42, 376-85	3.2	21
50	Shark IgW C region diversification through RNA processing and isotype switching. <i>Journal of Immunology</i> , 2013 , 191, 3410-8	5.3	20
49	Histocompatibility antigens and immunoglobulin genes in the clawed toad: Expression and linkage studies in recombinant and hyperdiploid <i>xenopus</i> hybrids. <i>Immunogenetics</i> , 1979 , 8, 299-310	3.2	19

48	The proto-MHC of placozoans, a region specialized in cellular stress and ubiquitination/proteasome pathways. <i>Journal of Immunology</i> , 2014 , 193, 2891-901	5.3	18
47	Population genetics of duplicated alternatively spliced exons of the Dscam gene in Daphnia and Drosophila. <i>PLoS ONE</i> , 2011 , 6, e27947	3.7	18
46	The fate of duplicated major histocompatibility complex class Ia genes in a dodecaploid amphibian, <i>Xenopus ruwenzoriensis</i> . <i>European Journal of Immunology</i> , 2002 , 32, 2698-709	6.1	18
45	Duplication and MHC linkage of the CTX family of genes in <i>Xenopus</i> and in mammals. <i>European Journal of Immunology</i> , 1999 , 29, 1729-39	6.1	18
44	Immunoglobulin expression in diploid and polyploid interspecies hybrid of <i>Xenopus</i> : evidence for allelic exclusion. <i>European Journal of Immunology</i> , 1983 , 13, 585-90	6.1	18
43	Somatic mutations during an immune response in <i>Xenopus</i> tadpoles. <i>Autoimmunity</i> , 1995 , 4, 227-34		17
42	Changes in the amphibian antibody repertoire are correlated with metamorphosis and not with age or size. <i>Autoimmunity</i> , 1992 , 2, 1-6		17
41	Lymphoid Tissue in Teleost Gills: Variations on a Theme. <i>Biology</i> , 2020 , 9,	4.9	16
40	Characterisation of a large family of polymorphic collagen-like proteins in the endospore-forming bacterium <i>Pasteuria ramosa</i> . <i>Research in Microbiology</i> , 2011 , 162, 701-14	4	15
39	Cross-linking CTX, a novel thymocyte-specific molecule, inhibits the growth of lymphoid tumor cells in <i>Xenopus</i> . <i>Molecular Immunology</i> , 1997 , 34, 133-43	4.3	15
38	Effects of thymectomy and tolerance induction on tumor immunity in adult <i>Xenopus laevis</i> . <i>International Journal of Cancer</i> , 1997 , 70, 330-4	7.5	15
37	A <i>Xenopus</i> lymphoid tumor cell line with complete Ig genes rearrangements and T-cell characteristics. <i>Molecular Immunology</i> , 1995 , 32, 583-93	4.3	15
36	Describing the diversity of Ag specific receptors in vertebrates: Contribution of repertoire deep sequencing. <i>Developmental and Comparative Immunology</i> , 2017 , 75, 28-37	3.2	14
35	The fate of duplicated immunity genes in the dodecaploid <i>Xenopus ruwenzoriensis</i> . <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 177-91	2.8	14
34	Restoration of antibody responsiveness in early thymectomized <i>Xenopus</i> by implantation of major histocompatibility complex-mismatched larval thymus. <i>European Journal of Immunology</i> , 1982 , 12, 546-51	6.1	14
33	Somatic and Germline Diversification of a Putative Immunoreceptor within One Phylum: Dscam in Arthropods. <i>Results and Problems in Cell Differentiation</i> , 2015 , 57, 131-58	1.4	14
32	RING3 is linked to the <i>Xenopus</i> major histocompatibility complex. <i>Immunogenetics</i> , 1996 , 44, 397-399	3.2	13
31	Studies on the <i>Xenopus</i> major histocompatibility complex. <i>Developmental and Comparative Immunology</i> , 1985 , 9, 777-81	3.2	13

30	Fish TTRIMs. <i>Journal of Biology</i> , 2009 , 8, 50		12
29	Molecular characterisation of immunological memory following homologous or heterologous challenges in the schistosomiasis vector snail, <i>Biomphalaria glabrata</i> . <i>Developmental and Comparative Immunology</i> , 2019 , 92, 238-252	3.2	12
28	Sequences of C mu and the VH1 family in LG7, a clonable strain of <i>Xenopus</i> , homozygous for the immunoglobulin loci. <i>Autoimmunity</i> , 1992 , 3, 13-24		10
27	Antibody cross-linking of the thymocyte-specific cell surface molecule CTX causes abnormal mitosis and multinucleation of tumor cells. <i>Experimental Cell Research</i> , 1997 , 235, 227-37	4.2	9
26	Diversity of expressed V and J regions of immunoglobulin light chains in <i>Xenopus laevis</i> . <i>European Journal of Immunology</i> , 1993 , 23, 1980-6	6.1	9
25	Methods Used to Study the Immune System of <i>Xenopus</i> (Amphibia, Anura) 1985 , 425-465		9
24	CTX, a <i>Xenopus</i> thymocyte receptor, defines a molecular family conserved throughout vertebrates 1998 , 28, 4094		8
23	Differential expression of creatine kinase isozymes during development of <i>Xenopus laevis</i> : an unusual heterodimeric isozyme appears at metamorphosis. <i>Differentiation</i> , 1991 , 46, 23-34	3.5	7
22	Genome-Wide Association Analysis Identifies a Genetic Basis of Infectivity in a Model Bacterial Pathogen. <i>Molecular Biology and Evolution</i> , 2020 , 37, 3439-3452	8.3	7
21	Infections by <i>Pasteuria</i> do not protect its natural host <i>Daphnia magna</i> from subsequent infections. <i>Developmental and Comparative Immunology</i> , 2016 , 57, 120-5	3.2	6
20	Workshop report: evolutionary immunobiology--new approaches, new paradigms. <i>Developmental and Comparative Immunology</i> , 2003 , 27, 263-71	3.2	6
19	RING3 is linked to the <i>Xenopus</i> major histocompatibility complex. <i>Immunogenetics</i> , 1996 , 44, 397-399	3.2	6
18	Evolutionary Concepts in Immunology 2019 ,		4
17	The repertoire of vertebrate STAT transcription factors: Origin and variations in fish. <i>Developmental and Comparative Immunology</i> , 2021 , 116, 103929	3.2	3
16	Relationships among the genes encoding MHC molecules and the specific antigen receptors 2000 , 53-65		2
15	Ontogeny of the Immune System in Anuran Amphibians 1986 , 1079-1088		2
14	The Triumph of Individualism: Evolution of Somatically Generated Adaptive Immune Systems 2019 , 71-117		1
13	The Development of the Immune System in <i>Xenopus</i> 2014 , 264-292		1

12	Charley Steinberg 1932-1999. <i>Immunogenetics</i> , 2000 , 51, 395-7	3.2	1
11	Le T?tard et l?Anticorps 1981 , 1, 62-68		1
10	Xenopus lymphoid tumor cell lines 1996 , 2367-2377		1
9	B-cell development in the amphibian Xenopus 2000 , 175, 201		1
8	Ontogeny of Immunological Functions in Amphibians 1982 , 633-657		1
7	Major Histocompatibility Complex (MHC) in Fish 2022 , 355-386		0
6	The Other Side of the Arms Race 2019 , 119-130		
5	Specific Immune Response. <i>NeuroImmune Biology</i> , 2007 , 101-126		
4	Innate immunity in early chordates and the appearance of adaptive immunity. <i>Comptes Rendus - Biologies</i> , 2004 , 327, 591-591	1.4	
3	Tonegawa's prize. <i>Nature</i> , 1988 , 331, 108	50.4	
2	A ploidy marker to track lymphocytes after cells transfer between genetically identical or inbred Xenopus 1996 , 2379-2394		
1	Phylogeny of MHC Class I and Class II Molecules Identified by Cross-Reactive Xenoantisera 1985 , 51-59		