

Etienne Joly

List of Publications by Year in descending order

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81
papers

4,138
citations

136950

32
h-index

118850

62
g-index

221
all docs

221
docs citations

221
times ranked

4417
citing authors

#	ARTICLE	IF	CITATIONS
1	What is trogocytosis and what is its purpose?. <i>Nature Immunology</i> , 2003, 4, 815-815.	14.5	462
2	Viral persistence in neurons explained by lack of major histocompatibility class I expression. <i>Science</i> , 1991, 253, 1283-1285.	12.6	315
3	An improved PCR-mutagenesis strategy for two-site mutagenesis or sequence swapping between related genes. <i>Nucleic Acids Research</i> , 1998, 26, 1848-1850.	14.5	229
4	Lymphoid neogenesis in chronic rejection: Evidence for a local humoral alloimmune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14723-14728.	7.1	227
5	Cutting Edge: CTLs Rapidly Capture Membrane Fragments from Target Cells in a TCR Signaling-Dependent Manner. <i>Journal of Immunology</i> , 2001, 166, 3645-3649.	0.8	206
6	Regional specification of rodent and human neurospheres. <i>Developmental Brain Research</i> , 2002, 134, 43-55.	1.7	185
7	Molecular analyses of a five-amino-acid cytotoxic T-lymphocyte (CTL) epitope: an immunodominant region which induces nonreciprocal CTL cross-reactivity. <i>Journal of Virology</i> , 1989, 63, 4303-4310.	3.4	165
8	Vaccination and protection from a lethal viral infection: Identification, incorporation, and use of a cytotoxic T lymphocyte glycoprotein epitope. <i>Virology</i> , 1990, 178, 393-400.	2.4	152
9	Proteolipidic Composition of Exosomes Changes during Reticulocyte Maturation. <i>Journal of Biological Chemistry</i> , 2011, 286, 34426-34439.	3.4	151
10	Two Different, Highly Exposed, Bulged Structures for an Unusually Long Peptide Bound to Rat MHC Class I RT1-Aa. <i>Immunity</i> , 2001, 14, 81-92.	14.3	113
11	The Rat cim Effect: TAP Allele-Dependent Changes in a Class I MHC Anchor Motif and Evidence Against C-Terminal Trimming of Peptides in the ER. <i>Immunity</i> , 1996, 4, 159-165.	14.3	109
12	Neuronal cells are deficient in loading peptides onto MHC class I molecules. <i>Neuron</i> , 1992, 8, 1185-1190.	8.1	103
13	Analysis of neural stem cells by flow cytometry: cellular differentiation modifies patterns of MHC expression. <i>Journal of Neuroimmunology</i> , 2001, 112, 35-46.	2.3	100
14	Active trans-synaptic capture of membrane fragments by natural killer cells. <i>European Journal of Immunology</i> , 2002, 32, 1502.	2.9	87
15	Capture of plasma membrane fragments from target cells by trogocytosis requires signaling in T cells but not in B cells. <i>Blood</i> , 2008, 111, 5621-5628.	1.4	82
16	Capture of Target Cell Membrane Components via Trogocytosis Is Triggered by a Selected Set of Surface Molecules on T or B Cells. <i>Journal of Immunology</i> , 2007, 178, 3637-3647.	0.8	80
17	Co-evolution of rat TAP transporters and MHC class I RT1-A molecules. <i>Current Biology</i> , 1998, 8, 169-180.	3.9	75
18	The Direction of Plasma Membrane Exchange between Lymphocytes and Accessory Cells by Trogocytosis Is Influenced by the Nature of the Accessory Cell. <i>Journal of Immunology</i> , 2010, 184, 1897-1908.	0.8	55

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19	A simple trogocytosis-based method to detect, quantify, characterize and purify antigen-specific live lymphocytes by flow cytometry, via their capture of membrane fragments from antigen-presenting cells. <i>Nature Protocols</i> , 2006, 1, 2536-2542.	12.0	54
20	A haemagglutination test for rapid detection of antibodies to SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 1951.	12.8	54
21	One-step split GFP staining for sensitive protein detection and localization in mammalian cells. <i>BioTechniques</i> , 2010, 49, 727-736.	1.8	53
22	T cell activation correlates with an increased proportion of antigen among the materials acquired from target cells. <i>European Journal of Immunology</i> , 2005, 35, 2284-2294.	2.9	52
23	A very rapid and simple assay based on trogocytosis to detect and measure specific T and B cell reactivity by flow cytometry. <i>European Journal of Immunology</i> , 2006, 36, 779-788.	2.9	52
24	Positive and negative MHC class I recognition by rat NK cells. <i>Immunological Reviews</i> , 1997, 155, 91-104.	6.0	51
25	The distribution of Tap2 alleles among laboratory rat RT1 haplotypes. <i>Immunogenetics</i> , 1994, 40, 45-53.	2.4	49
26	Peptide binding characteristics of the non-classical class Ib MHC molecule HLA-E assessed by a recombinant random peptide approach. <i>BMC Immunology</i> , 2001, 2, 5.	2.2	43
27	Normal polyclonal immunoglobulins (IgG™) inhibit microglial phagocytosis in vitro. <i>Journal of Neuroimmunology</i> , 2000, 106, 137-144.	2.3	42
28	Crystallization around solid-like nanosized docks can explain the specificity, diversity, and stability of membrane microdomains. <i>Frontiers in Plant Science</i> , 2014, 5, 72.	3.6	41
29	Immune Responses Elicited in Tertiary Lymphoid Tissues Display Distinctive Features. <i>PLoS ONE</i> , 2010, 5, e11398.	2.5	40
30	Isolation of a functional cDNA encoding the RT1.Au MHC class I heavy chain by a novel PCR-based method. <i>Immunogenetics</i> , 1995, 41, 326-8.	2.4	39
31	Preferential Transfer of Certain Plasma Membrane Proteins onto T and B Cells by Trogocytosis. <i>PLoS ONE</i> , 2010, 5, e8716.	2.5	37
32	Efficient Generation of Major Histocompatibility Complex Class I-Peptide Complexes Using Synthetic Peptide Libraries. <i>Journal of Biological Chemistry</i> , 1998, 273, 2874-2884.	3.4	34
33	Peptide length preferences for rat and mouse MHC class I molecules using random peptide libraries. <i>European Journal of Immunology</i> , 1998, 28, 1272-1279.	2.9	32
34	Direct and Indirect Effects of Alloantibodies Link Neointimal and Medial Remodeling in Graft Arteriosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2359-2365.	2.4	32
35	Suitability of various membrane lipophilic probes for the detection of trogocytosis by flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2009, 75A, 380-389.	1.5	31
36	The orthology of HLA-E and H2-Qa1 is hidden by their concerted evolution with other MHC class I molecules. <i>Biology Direct</i> , 2006, 1, 2.	4.6	30

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37	Ly49i2 is an inhibitory rat natural killer cell receptor for an MHC class Ia molecule (RT1-A1c). <i>European Journal of Immunology</i> , 2002, 32, 2031.	2.9	29
38	Polymorphism of cytotoxic T-lymphocyte clones that recognize a defined nine-amino-acid immunodominant domain of lymphocytic choriomeningitis virus glycoprotein. <i>Journal of Virology</i> , 1989, 63, 1845-1851.	3.4	23
39	Using spectral decomposition of the signals from laurdan-derived probes to evaluate the physical state of membranes in live cells. <i>F1000Research</i> , 2017, 6, 763.	1.6	20
40	Characterization of M-laurdan, a versatile probe to explore order in lipid membranes. <i>F1000Research</i> , 2014, 3, 172.	1.6	20
41	Hypothesis: could the signalling function of membrane microdomains involve a localized transition of lipids from liquid to solid state?. , 2004, 5, 3.		18
42	Fluorophore-tagged pharmacophores for antitumor cytotoxicity: Modified chiral lipidic dialkynylcarbinols for cell imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4652-4656.	2.2	18
43	Using spectral decomposition of the signals from laurdan-derived probes to evaluate the physical state of membranes in live cells. <i>F1000Research</i> , 2017, 6, 763.	1.6	18
44	SARS-CoV-2 Infection in Companion Animals: Prospective Serological Survey and Risk Factor Analysis in France. <i>Viruses</i> , 2022, 14, 1178.	3.3	18
45	Design of an improved set of oligonucleotide primers for genotyping MeCP2tm1.1BirdKO mice by PCR. <i>Molecular Neurodegeneration</i> , 2007, 2, 16.	10.8	17
46	Tracking antigen-specific CD8+ T cells in the rat using MHC class I multimers. <i>Journal of Immunological Methods</i> , 2007, 320, 30-39.	1.4	17
47	Why are there two rat TAPs?. <i>Trends in Immunology</i> , 1998, 19, 580-585.	7.5	16
48	High Levels of MeCP2 Depress MHC Class I Expression in Neuronal Cells. <i>PLoS ONE</i> , 2007, 2, e1354.	2.5	16
49	Peptide Specificity of RT1-A1c, an Inhibitory Rat Major Histocompatibility Complex Class I Natural Killer Cell Ligand. <i>Journal of Biological Chemistry</i> , 2000, 275, 29217-29224.	3.4	15
50	Extended structural modulation of bio-inspired chiral lipidic alkynylcarbinols as antitumor pharmacophores. <i>Tetrahedron</i> , 2015, 71, 7920-7930.	1.9	14
51	Ethylogylation approach in pharmacophore design: from alkynyl-to butadiynyl-carbinols vs antitumoral cytotoxicity. <i>Tetrahedron</i> , 2016, 72, 6697-6704.	1.9	13
52	Manufacture of a functional cDNA for the H-2Db molecule using a retroviral shuttle vector. <i>Immunogenetics</i> , 1991, 34, 62-65.	2.4	12
53	Crystal Structures of Two Rat MHC Class Ia (RT1-A) Molecules that are Associated Differentially with Peptide Transporter Alleles TAP-A and TAP-B. <i>Journal of Molecular Biology</i> , 2002, 324, 975-990.	4.2	12
54	Characterisation of RT1-E2, a multigenic family of highly conserved rat non-classical MHC class I molecules initially identified in cells from immunoprivileged sites. <i>BMC Immunology</i> , 2003, 4, 7.	2.2	12

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55	Generation of a functional cDNA encoding the LdH2 class-I molecule by using a single-LTR retroviral shuttle vector. <i>Gene</i> , 1991, 97, 213-221.	2.2	11
56	Addition of heat-killed bacteria to the selective medium enhances transformation of <i>Dictyostelium discoideum</i> . <i>Trends in Genetics</i> , 1993, 9, 157-158.	6.7	10
57	Could CD4 Capture by CD^8 T Cells Play a Role in HIV Spreading? <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-10.	3.0	10
58	The existence of species rests on a metastable equilibrium between inbreeding and outbreeding. An essay on the close relationship between speciation, inbreeding and recessive mutations. <i>Biology Direct</i> , 2011, 6, 62.	4.6	10
59	Isoform-specific anti-MeCP2 antibodies confirm that expression of the e1 isoform strongly predominates in the brain. <i>F1000Research</i> , 2013, 2, 204.	1.6	10
60	Comparison of RT-BM1 sequences from six different rat major histocompatibility complex haplotypes reveals limited variation, and alternate splicing in the 3' untranslated region. <i>Immunogenetics</i> , 2000, 51, 148-153.	2.4	9
61	NK Cells Modulate MHC Class I Expression on Tumor Cells and their Susceptibility to Lysis. <i>Immunobiology</i> , 2000, 202, 326-338.	1.9	9
62	Methinylogation Approach in Chiral Pharmacophore Design: from Alkynyl to Allenyl carbinol Warheads against Tumor Cells. <i>ChemMedChem</i> , 2018, 13, 1711-1722.	3.2	9
63	Skeletal Optimization of Cytotoxic Lipidic Dialkynylcarbinols. <i>ChemMedChem</i> , 2018, 13, 1124-1130.	3.2	8
64	From Natural to Artificial Antitumor Lipidic Alkynylcarbinols: Asymmetric Synthesis, Enzymatic Resolution, and Refined SARs. <i>Synthesis</i> , 2018, 50, 3114-3130.	2.3	8
65	Characterization of M-laurdan, a versatile probe to explore order in lipid membranes. <i>F1000Research</i> , 2014, 3, 172.	1.6	8
66	A Novel Instance of Class I Modification (<i>cit</i>) Affecting Two of Three Rat Class I RT1-A Molecules Within One MHC Haplotype. <i>Journal of Immunology</i> , 2003, 171, 274-284.	0.8	7
67	Cloning of three different species of MHC class I cDNAs of the RT1 g haplotype from the NEDH rat. <i>Immunogenetics</i> , 2000, 51, 503-507.	2.4	5
68	Analysis of peptide length preference of the rat MHC class Ia molecule RT1-Au, by a modified random peptide library approach. <i>International Immunology</i> , 2000, 12, 83-89.	4.0	5
69	Detection of transcripts for a soluble form of the RT1-E MHC class Ib molecule in rat placenta. <i>Immunogenetics</i> , 2001, 53, 351-356.	2.4	5
70	Genetic control of peripheral TCRAV usage by representation in the preselection repertoire and MHC allele-specific overselection. <i>International Immunology</i> , 2001, 13, 63-73.	4.0	4
71	Optimising Blue Fluorescent Protein (BFP) for use as a mammalian reporter gene in parallel with Green Fluorescent Protein (GFP).. <i>Nature Precedings</i> , 2007, , .	0.1	3
72	Further Advantages of a Unique Author Identification Number. <i>PLoS Medicine</i> , 2006, 3, e368.	8.4	2

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73	Improving administration regimens of CyaA-based vaccines using TRAP assays to detect antigen-specific CD8+ T cells directly ex vivo. <i>Vaccine</i> , 2009, 27, 5565-5573.	3.8	2
74	Baseball and jet lag: Correlation does not imply causation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3168-E3168.	7.1	2
75	Fluorinated analogues of lipidic dialkynylcarbinol pharmacophores: synthesis and cytotoxicity in HCT116 cancer cells. <i>French-Ukrainian Journal of Chemistry</i> , 2019, 7, 1-9.	0.4	2
76	SDR enzymes oxidize specific lipidic alkynylcarbinols into cytotoxic protein-reactive species. <i>ELife</i> , 2022, 11, .	6.0	2
77	Technical hitches in rat MHC class I gene mapping. <i>Immunogenetics</i> , 1997, 47, 2-4.	2.4	1
78	Various hypotheses on MHC evolution suggested by the concerted evolution of CD94L and MHC class Ia molecules. <i>Biology Direct</i> , 2006, 1, 3.	4.6	1
79	Essay: On the close relationship between speciation, inbreeding and recessive mutations.. <i>Nature Precedings</i> , 2010, , .	0.1	1
80	Ethnylogation approach in antitumor lipid pharmacochimistry: from dialkynyl-carbinols to trialkynyl-carbinols. <i>French-Ukrainian Journal of Chemistry</i> , 2017, 5, 24-34.	0.4	1
81	Confronting Covid-19 by exploring the possibility of vaccinating with live SARS-CoV-2 virus itself, via a route that would reduce the incidence of pulmonary complications. <i>F1000Research</i> , 2020, 9, 309.	1.6	1