Christian L Villiers

List of Publications by Year
in descending order

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63 papers	2,309 citations	218381 26 h-index	214527 47 g-index
63 all docs	63 docs citations	63 times ranked	3251 citing authors

#	Article	IF	Citations
1	Analysis of the toxicity of gold nano particles on the immune system: effect on dendritic cell functions. Journal of Nanoparticle Research, 2010, 12, 55-60.	0.8	184
2	Toward a better analysis of secreted proteins: the example of the myeloid cells secretome. Proteomics, 2007, 7, 1757-1770.	1.3	156
3	Interaction of 125 I-labelled complement subcomponents Cr and Cs with protease inhibitors in plasma. FEBS Letters, 1979, 97, 111-115.	1.3	142
4	A Topâ€Down Synthesis Route to Ultrasmall Multifunctional Gdâ€Based Silica Nanoparticles for Theranostic Applications. Chemistry - A European Journal, 2013, 19, 6122-6136.	1.7	115
5	Predictive Toxicology of cobalt ferrite nanoparticles: comparative in-vitro study of different cellular models using methods of knowledge discovery from data. Particle and Fibre Toxicology, 2013, 10, 32.	2.8	105
6	Electronic sorting and recovery of single live cells from microlitre sized samples. Lab on A Chip, 2006, 6, 121-126.	3.1	97
7	Human Endogenous Retrovirus Protein Activates Innate Immunity and Promotes Experimental Allergic Encephalomyelitis in Mice. PLoS ONE, 2013, 8, e80128.	1.1	96
8	Predictive Toxicology of Cobalt Nanoparticles and Ions: Comparative In Vitro Study of Different Cellular Models Using Methods of Knowledge Discovery from Data. Toxicological Sciences, 2011, 122, 489-501.	1.4	95
9	Purified proenzyme C1r. Some characteristics of its activation and subsequent proteolytic cleavage. Biochimica Et Biophysica Acta - Biomembranes, 1980, 616, 116-129.	1.4	83
10	Domain structure and associated functions of subcomponents C1r and C1s of the first component of human complement.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 4477-4481.	3.3	69
11	From Secretome Analysis to Immunology. Molecular and Cellular Proteomics, 2009, 8, 1252-1264.	2.5	69
12	Clinically Related Proteinâ€“Peptide Interactions Monitored in Real Time on Novel Peptide Chips by Surface Plasmon Resonance Imaging. Clinical Chemistry, 2006, 52, 255-262.	1.5	66
13	Adenine nucleotide transport in sonic submitochondrial particles. Kinetic properties and binding of specific inhibitors. Biochimica Et Biophysica Acta - Bioenergetics, 1977, 460, 331-345.	0.5	59
14	C1q binding and complement activation by prions and amyloids. Immunobiology, 2007, 212, 355-362.	0.8	48
15	Covalent binding of C3b to tetanus toxin: influence on uptake/internalization of antigen by antigenâ€specific and nonâ€specific B cells. Immunology, 1996, 89, 348-355.	2.0	47
16	Cryptic O2â€“generating NADPH oxidase in dendritic cells. Journal of Cell Science, 2004, 117, 2215-2226.	1.2	47
17	Molecular characterization of the catalytic domains of human complement serine protease C.hivin.1r. Biochemistry, 1986, 25, 5177-5182.	1.2	46
18	Anti-tumor Immunotherapy via Antigen Delivery from a Live Attenuated Genetically Engineered Pseudomonas aeruginosa Type III Secretion System-Based Vector. Molecular Therapy, 2006, 14, 656-661.	3.7	46

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19	Calcium binding properties of the C1 subcomponents C1q, C1r and C1s. FEBS Letters, 1980, 117, 289-294.	1.3	45
20	A study on the structure and interactions of the C1 sub-components C1r and C1s in the fluid phase. Biochimica Et Biophysica Acta - Biomembranes, 1980, 616, 105-115.	1.4	35
21	Prion protein activates and fixes complement directly via the classical pathway: Implications for the mechanism of scrapie agent propagation in lymphoid tissue. Molecular Immunology, 2007, 44, 2997-3004.	1.0	34
22	Neutron scattering studies of subcomponent C1q of first component C1 of human complement and its association with subunit C1r2C1s2 within C1. Journal of Molecular Biology, 1984, 179, 547-557.	2.0	33
23	Overexpression of Cellular Prion Protein Induces an Antioxidant Environment Altering T Cell Development in the Thymus. Journal of Immunology, 2006, 176, 3490-3497.	0.4	31
24	Oxidative stress impairs intracellular events involved in antigen processing and presentation to T cells. Cell Stress and Chaperones, 2003, 8, 162.	1.2	30
25	Spin-labeled acyl atractyloside as a probe of the mitochondrial adenosine diphosphate carrier. Asymmetry of the carrier and direct lipid environment. Biochemistry, 1977, 16, 1202-1208.	1.2	28
26	Fluid phase activation of proenzymic C1r purified by affinity chromatography. BBA - Proteins and Proteomics, 1982, 700, 118-126.	2.1	27
27	Inactivation of interleukin-6 in vitro by monoblastic U937 cell plasma membranes involves both protease and peptidyl-transferase activities. FEBS Journal, 1993, 215, 825-831.	0.2	26
28	Human complement subcomponent C2: purification and proteolytic cleavage in fluid phase by C1Ì„s, C1Ì„r2-C1Ì„s2AND 1Ì„. FEBS Letters, 1982, 141, 19-24.	1.3	25
29	Purification of intracellular compartments involved in antigen processing: a new method based on magnetic sorting. Biochemical Journal, 1999, 338, 123-130.	1.7	24
30	The electrogenic nature of ADP/ATP transport in inside-out submitochondrial particles. Biochimica Et Biophysica Acta - Bioenergetics, 1979, 546, 157-170.	0.5	23
31	B Cell Receptors and Complement Receptors Target the Antigen to Distinct Intracellular Compartments. Journal of Immunology, 2004, 172, 3564-3572.	0.4	23
32	Impact of Gold Nanoparticles on the Functions of Macrophages and Dendritic Cells. Cells, 2021, 10, 96.	1.8	22
33	Neutron scattering studies of the isolated C1r2C1s2 subunit of first component of human complement in solution.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 3769-3773.	3.3	21
34	Enhanced susceptibility of T lymphocytes to oxidative stress in the absence of the cellular prion protein. Cellular and Molecular Life Sciences, 2011, 68, 687-696.	2.4	21
35	Biosensor for direct cell detection, quantification and analysis. Biosensors and Bioelectronics, 2011, 26, 4162-4168.	5.3	20
36	Formation of Covalent C3b-Tetanus Toxin Complexes: a Tool for the In Vitro Study of Antigen Presentation. Scandinavian Journal of Immunology, 1991, 34, 585-595.	1.3	19

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37	Influence of complement C3 amount on IgG responses in early life: immunization with C3b-conjugated antigen increases murine neonatal antibody responses. Vaccine, 2004, 23, 329-335.	1.7	19
38	Size-induced effect upon the NÃ©el temperature of the antiferro/paramagnetic transition in gadolinium oxide nanoparticles. Applied Physics A: Materials Science and Processing, 2011, 105, 215-219.	1.1	19
39	Purification of intracellular compartments involved in antigen processing: a new method based on magnetic sorting. Biochemical Journal, 1999, 338, 123.	1.7	18
40	An interaction between CD16 and CR3 enhances iC3b binding to CR3 but is lost during differentiation of monocytes into dendritic cells. European Journal of Immunology, 2004, 34, 147-155.	1.6	17
41	Diamine-induced dissociation of the first component of human complement, C1. FEBS Journal, 1984, 140, 421-426.	0.2	14
42	C3b covalently associated to tetanus toxin modulates TT processing and presentation by U937 cells. Molecular Immunology, 1994, 31, 1321-1327.	1.0	14
43	Normal differentiation and functions of mouse dendritic cells derived from RAG-deficient bone marrow progenitors. Cellular Immunology, 2004, 228, 8-14.	1.4	14
44	Involvement of the Zn-Binding region of tetanus toxin in B and T recognition. Influence of Zn fixation. Molecular Immunology, 1993, 30, 129-136.	1.0	12
45	The role of antigen-bound C3b in antigen processing. Research in Immunology, 1996, 147, 75-82.	0.9	12
46	Paramagnetic nanoparticles to track and quantify in vivo immune human therapeutic cells. Nanoscale, 2013, 5, 11409.	2.8	12
47	Heat shock increases antigenic peptide generation but decreases antigen presentation. European Journal of Immunology, 1996, 26, 2939-2943.	1.6	11
48	Improvement of long-lasting response and antibody affinity by the complexation of antigen with complement C3b. International Immunology, 2003, 15, 91-95.	1.8	11
49	Different stimulating effects of complement C3b and complete Freund's adjuvant on antibody response. Immunopharmacology, 1999, 42, 151-157.	2.0	10
50	Fabrication of hybrid plastic-silicon microfluidic devices for individual cell manipulation by dielectrophoresis. , 2004, , .		10
51	C1r serine proteinase of human complement: A case of intramolecular autolytic activation. Bioscience Reports, 1985, 5, 831-837.	1.1	9
52	Use of magnetic nanobeads to study intracellular antigen processing. Journal of Magnetism and Magnetic Materials, 2001, 225, 161-168.	1.0	8
53	Co-operation between human CR1 (CD35) and CR2 (CD21) in internalization of their C3b and iC3b ligands by murine-transfected fibroblasts. Immunology, 1999, 98, 152-157.	2.0	7
54	Covalent binding of non-proteolysed C3 to Jurkat T cells. Molecular Immunology, 1991, 28, 711-717.	1.0	6

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55	Design and Application of a Microarray for Fluorescence and Surface Plasmon Resonance Imaging Analysis of Peptide-Antibody Interactions. Journal of Biomedical Nanotechnology, 2006, 2, 29-35.	0.5	6
56	A new role for complement C3: Regulation of antigen processing through an inhibitory activity. Molecular Immunology, 2008, 45, 3509-3516.	1.0	5
57	Comparative study of the fluid-phase proteolytic cleavage of human complement subcomponents C4 and C2 by Cs and Cr2 -Cs2. FEBS Letters, 1984, 165, 111-116.	1.3	4
58	OHâ€¢ treatment of tetanus toxin reduces its susceptibility to limited proteolysis with more efficient presentation to specific T cells. Molecular Immunology, 1993, 30, 1639-1646.	1.0	4
59	Relationship between humoral response against hepatitis C virus and disease overcome. SpringerPlus, 2014, 3, 56.	1.2	4
60	Complement Receptors and B Lymphocytes. Critical Reviews in Immunology, 2004, 24, 14.	1.0	3
61	Ultrastructure of human C4-binding protein: proposition for a new model. European Journal of Immunology, 1985, 15, 941-945.	1.6	2
62	Prolongation of cell cycle transit time and the presence of non-cycling cells in human lymphoblastoid cells cultured under adverse conditions. Cell Proliferation, 1987, 20, 291-299.	2.4	1
63	The envelope of human endogenous retrovirus in neuro-inflammation. Retrovirology, 2009, 6, .	0.9	0