

Cristina C Clement

List of Publications by Year in descending order

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64
papers

4,132
citations

172386

29
h-index

149623

56
g-index

68
all docs

68
docs citations

68
times ranked

8933
citing authors

#	ARTICLE	IF	CITATIONS
1	Microautophagy of Cytosolic Proteins by Late Endosomes. <i>Developmental Cell</i> , 2011, 20, 131-139.	3.1	728
2	Gene expression signature-based chemical genomic prediction identifies a novel class of HSP90 pathway modulators. <i>Cancer Cell</i> , 2006, 10, 321-330.	7.7	557
3	Hsp90 inhibitor PU-H71, a multimodal inhibitor of malignancy, induces complete responses in triple-negative breast cancer models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8368-8373.	3.3	286
4	Oxidative stress, inflamm-aging and immunosenescence. <i>Journal of Proteomics</i> , 2011, 74, 2313-2323.	1.2	252
5	Molecular analysis of chromium and cobalt-related toxicity. <i>Scientific Reports</i> , 2014, 4, 5729.	1.6	159
6	Selective compounds define Hsp90 as a major inhibitor of apoptosis in small-cell lung cancer. <i>Nature Chemical Biology</i> , 2007, 3, 498-507.	3.9	156
7	Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. <i>Cell</i> , 2021, 184, 2696-2714.e25.	13.5	151
8	Radiotherapy-exposed CD8+ and CD4+ neoantigens enhance tumor control. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	111
9	Aging-related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. <i>Aging Cell</i> , 2015, 14, 582-594.	3.0	106
10	Senescence cell-associated extracellular vesicles serve as osteoarthritis disease and therapeutic markers. <i>JCI Insight</i> , 2019, 4, .	2.3	103
11	Tumor-associated factors are enriched in lymphatic exudate compared to plasma in metastatic melanoma patients. <i>Journal of Experimental Medicine</i> , 2019, 216, 1091-1107.	4.2	102
12	Endosomal damage and TLR2 mediated inflammasome activation by alkane particles in the generation of aseptic osteolysis. <i>Molecular Immunology</i> , 2009, 47, 175-184.	1.0	98
13	Lymph formation, composition and circulation: a proteomics perspective. <i>International Immunology</i> , 2015, 27, 219-227.	1.8	83
14	Role of Carbonyl Modifications on Aging-Associated Protein Aggregation. <i>Scientific Reports</i> , 2016, 6, 19311.	1.6	82
15	Age-Related Oxidative Stress Compromises Endosomal Proteostasis. <i>Cell Reports</i> , 2012, 2, 136-149.	2.9	77
16	The lymph as a pool of self-antigens. <i>Trends in Immunology</i> , 2011, 32, 6-11.	2.9	66
17	Protein expression profiles of human lymph and plasma mapped by 2D-DIGE and 1D SDS-PAGE coupled with nanoLC-ESI-MS/MS bottom-up proteomics. <i>Journal of Proteomics</i> , 2013, 78, 172-187.	1.2	59
18	An Expanded Self-Antigen Peptidome Is Carried by the Human Lymph As Compared to the Plasma. <i>PLoS ONE</i> , 2010, 5, e9863.	1.1	55

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19	The Dendritic Cell Major Histocompatibility Complex II (MHC II) Peptidome Derives from a Variety of Processing Pathways and Includes Peptides with a Broad Spectrum of HLA-DM Sensitivity. <i>Journal of Biological Chemistry</i> , 2016, 291, 5576-5595.	1.6	54
20	The yeast Hsp110, Sse1p, exhibits high affinity peptide binding. <i>FEBS Letters</i> , 2008, 582, 2393-2396.	1.3	53
21	Structural and Biological Interaction of hsc-70 Protein with Phosphatidylserine in Endosomal Microautophagy. <i>Journal of Biological Chemistry</i> , 2016, 291, 18096-18106.	1.6	52
22	Age-Related Carbonylation of Fibrocartilage Structural Proteins Drives Tissue Degenerative Modification. <i>Chemistry and Biology</i> , 2013, 20, 922-934.	6.2	50
23	Heat Shock Protein 70 Inhibitors. 1. 2,5-Di-Thiodipyrimidine and 5-(Phenylthio)pyrimidine Acrylamides as Irreversible Binders to an Allosteric Site on Heat Shock Protein 70. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1188-1207.	2.9	50
24	Immunogenicity of Modified Alkane Polymers Is Mediated through TLR1/2 Activation. <i>PLoS ONE</i> , 2008, 3, e2438.	1.1	49
25	Heat Shock Protein 70 Inhibitors. 2. 2,5-Di-Thiodipyrimidines, 5-(Phenylthio)pyrimidines, 2-(Pyridin-3-ylthio)pyrimidines, and 3-(Phenylthio)pyridines as Reversible Binders to an Allosteric Site on Heat Shock Protein 70. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1208-1224.	2.9	48
26	Annexin A2 binds to endosomes following organelle destabilization by particulate wear debris. <i>Nature Communications</i> , 2012, 3, 755.	5.8	47
27	Annexin A2 promotes phagophore assembly by enhancing Atg16L+ vesicle biogenesis and homotypic fusion. <i>Nature Communications</i> , 2015, 6, 5856.	5.8	43
28	The Lymph Self-Antigen Repertoire. <i>Frontiers in Immunology</i> , 2013, 4, 424.	2.2	37
29	Quantitative Profiling of the Lymph Node Clearance Capacity. <i>Scientific Reports</i> , 2018, 8, 11253.	1.6	35
30	Pleiotropic consequences of metabolic stress for the major histocompatibility complex class II molecule antigen processing and presentation machinery. <i>Immunity</i> , 2021, 54, 721-736.e10.	6.6	30
31	3-hydroxy-L-kynurenamine is an immunomodulatory biogenic amine. <i>Nature Communications</i> , 2021, 12, 4447.	5.8	30
32	Synthesis of a red-shifted fluorescence polarization probe for Hsp90. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4515-4518.	1.0	28
33	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. <i>Nature Communications</i> , 2021, 12, 3696.	5.8	27
34	Solution Structure of a Guanine-N7-Linked Complex of the Mitomycin C Metabolite 2,7-Diaminomitosenone and DNA. Basis of Sequence Selectivity. <i>Biochemistry</i> , 2001, 40, 10473-10484.	1.2	23
35	Rational Design and Characterization of D-Phe-Pro-D-Arg-Derived Direct Thrombin Inhibitors. <i>PLoS ONE</i> , 2012, 7, e34354.	1.1	23
36	Autoimmune response to transthyretin in juvenile idiopathic arthritis. <i>JCI Insight</i> , 2016, 1, .	2.3	22

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37	Design of a fluorescence polarization assay platform for the study of human Hsp70. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3749-3751.	1.0	21
38	Synthesis of an Oligodeoxyribonucleotide Adduct of Mitomycin C by the Postoligomerization Method via a Triamino Mitosene. <i>Journal of the American Chemical Society</i> , 2008, 130, 9556-9565.	6.6	20
39	Lymphatic Cannulation for Lymph Sampling and Molecular Delivery. <i>Journal of Immunology</i> , 2019, 203, 2339-2350.	0.4	18
40	The negative effect of lipid challenge on autophagy inhibits T cell responses. <i>Autophagy</i> , 2020, 16, 223-238.	4.3	18
41	DNA Adduct of the Mitomycin C Metabolite 2,7-Diaminomitosene Is a Nontoxic and Nonmutagenic DNA Lesion in Vitro and in Vivo. <i>Chemical Research in Toxicology</i> , 2005, 18, 213-223.	1.7	16
42	A peptide antagonist of F11R/JAM-A reduces plaque formation and prolongs survival in an animal model of atherosclerosis. <i>Atherosclerosis</i> , 2019, 284, 92-101.	0.4	15
43	Microautophagy of Cytosolic Proteins by Late Endosomes. <i>Developmental Cell</i> , 2011, 20, 405-406.	3.1	11
44	Distinguishing Signal From Noise in Immunopeptidome Studies of Limiting-Abundance Biological Samples: Peptides Presented by I-Ab in C57BL/6 Mouse Thymus. <i>Frontiers in Immunology</i> , 2021, 12, 658601.	2.2	11
45	Lymphatic remodelling in response to lymphatic injury in the hind limbs of sheep. <i>Nature Biomedical Engineering</i> , 2020, 4, 649-661.	11.6	9
46	Development of new antiatherosclerotic and antithrombotic drugs utilizing F11 receptor (F11R/JAM-A) peptides. <i>Biopolymers</i> , 2014, 102, 322-334.	1.2	8
47	Hydrodynamic size-based separation and characterization of protein aggregates from total cell lysates. <i>Nature Protocols</i> , 2015, 10, 134-148.	5.5	8
48	Sequence-Dependent Diastereospecific and Diastereodivergent Crosslinking of DNA by Decarbamoylmitomycin C. <i>Chemistry - A European Journal</i> , 2018, 24, 6030-6035.	1.7	7
49	Lung lymphatic thrombosis and dysfunction caused by cigarette smoke exposure precedes emphysema in mice. <i>Scientific Reports</i> , 2022, 12, 5012.	1.6	7
50	Involvement of Akt in mitomycin C and its analog triggered cytotoxicity in MCF-7 and K562 cancer cells. <i>Chemical Biology and Drug Design</i> , 2018, 92, 2022-2034.	1.5	5
51	In vitro model reveals a role for mechanical stretch in the remodeling response of lymphatic muscle cells. <i>Microcirculation</i> , 2019, 26, e12512.	1.0	5
52	Crystallization and preliminary crystallographic characterization of three peptidic inhibitors in complex with α_2 -thrombin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 54-58.	0.7	4
53	In vivo data: treatment with the F11R/JAM-A peptide 4D decreases mortality and reduces the generation of atherosclerotic plaques in ApoE-deficient mice. <i>Data in Brief</i> , 2020, 30, 105516.	0.5	4
54	Isothermal Titration Calorimetry and Inhibition of Platelets Aggregation by [D-Phe/(Transcinnamoyl)-Pro-D-Arg-P1'-CONH ₂] Peptides Inhibitors of Thrombin. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 579-580.	0.8	4

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55	Design of a Flexible Cell-Based Assay for the Evaluation of Heat Shock Protein 70 Expression Modulators. <i>Assay and Drug Development Technologies</i> , 2011, 9, 236-246.	0.6	3
56	A protocol for qualitative and quantitative measurement of endosomal processing using hot spot analysis. <i>STAR Protocols</i> , 2021, 2, 100648.	0.5	1
57	The Lymph Proteome, Peptidome, and Degradome. , 2013, , 65-79.		1
58	Cytotoxicity, crosslinking and biological activity of three mitomycins. <i>Bioorganic Chemistry</i> , 2022, 123, 105744.	2.0	1
59	Structure-Based Design and Structure-Activity Relationships of D-Phe-Pro-D-Arg-P1 ² -CONH2 Tetrapeptides Inhibitors of Thrombin. , 2006, , 553-554.		0
60	Structure-Based Drug Design (SBDD) and <i>In Silico</i> Pharmacophore Screening Enabled the Discovery of Small Organic Molecules and Peptides Modulators of <i>Bla</i> C, TEM ¹ and <i>Amp</i> C Beta Lactamases. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
61	Development of pharmacoproteomic platforms for monitoring changes in the thrombin mediated signaling and aggregation of human platelets treated with direct thrombin inhibitors. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
62	Potential Signaling Regulations of Stereoisomeric DNA Interstrand Crosslinks Produced by Mitomycins in K562 Cells. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
63	Label free DIA and DDA nano-LC/MS/MS improved quantitative profiling of redox stress mediated proteomic changes in mouse dendritic cells. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
64	Identification of Potential Cellular Responses Triggered by Stereoisomeric DNA Interstrand Crosslinks Produced by Mitomycins in MCF7 Cells. <i>FASEB Journal</i> , 2022, 36, .	0.2	0