

# Serena Camerini

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,644  
citations

304368

22  
h-index

301761

39  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiol-mediated protein retention in the endoplasmic reticulum: the role of ERp44. EMBO Journal, 2003, 22, 5015-5022.	3.5	208
2	A novel disorder involving dyshematopoiesis, inflammation, and HLH due to aberrant CDC42 function. Journal of Experimental Medicine, 2019, 216, 2778-2799.	4.2	132
3	Optimisation of transgene action at the post-transcriptional level: high quality parthenocarpic fruits in industrial tomatoes. BMC Biotechnology, 2002, 2, 1.	1.7	117
4	Introduction of a novel pathway for IAA biosynthesis to rhizobia alters vetch root nodule development. Archives of Microbiology, 2008, 190, 67-77.	1.0	98
5	Natural-Killer-Derived Extracellular Vesicles: Immune Sensors and Interactors. Frontiers in Immunology, 2020, 11, 262.	2.2	87
6	A Novel Approach to Identify Proteins Modified by Nitric Oxide: the HIS-TAG Switch Method. Journal of Proteome Research, 2007, 6, 3224-3231.	1.8	82
7	The role of protein and peptide separation before mass spectrometry analysis in clinical proteomics. Journal of Chromatography A, 2015, 1381, 1-12.	1.8	63
8	Separase prevents genomic instability by controlling replication fork speed. Nucleic Acids Research, 2018, 46, 267-278.	6.5	48
9	HIPK2 catalytic activity and subcellular localization are regulated by activation-loop Y354 autophosphorylation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1443-1453.	1.9	47
10	Effects of indole-3-acetic acid on Sinorhizobium meliloti survival and on symbiotic nitrogen fixation and stem dry weight production. Applied Microbiology and Biotechnology, 2009, 83, 727-738.	1.7	44
11	Interaction Network of the 14-3-3 Protein in the Ancient Protozoan Parasite <i>Giardia duodenalis</i> . Journal of Proteome Research, 2012, 11, 2666-2683.	1.8	40
12	Gaucher disease due to saposin C deficiency is an inherited lysosomal disease caused by rapidly degraded mutant proteins. Human Molecular Genetics, 2014, 23, 5814-5826.	1.4	33
13	Phosphorylation and nitration of tyrosine residues affect functional properties of Synaptophysin and Dynamin I, two proteins involved in exo-endocytosis of synaptic vesicles. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 110-121.	1.9	32
14	Native metastable prefibrillar oligomers are the most neurotoxic species among amyloid aggregates. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1622-1629.	1.8	32
15	Phosphorylation of SRSF1 is modulated by replicational stress. Nucleic Acids Research, 2012, 40, 1106-1117.	6.5	31
16	The nebulin SH3 domain is dispensable for normal skeletal muscle structure but is required for effective active load bearing in mouse. Journal of Cell Science, 2013, 126, 5477-89.	1.2	31
17	HIPK2 Phosphorylates the Microtubule-Severing Enzyme Spastin at S268 for Abscission. Cells, 2019, 8, 684.	1.8	31
18	MLC1 trafficking and membrane expression in astrocytes: Role of caveolin-1 and phosphorylation. Neurobiology of Disease, 2010, 37, 581-595.	2.1	30

#	ARTICLE	IF	CITATIONS
19	MLC1 protein: a likely link between leukodystrophies and brain channelopathies. <i>Frontiers in Cellular Neuroscience</i> , 2015, 09, 66.	1.8	30
20	Mass spectrometry detection of fraudulent use of cow whey in water buffalo, sheep, or goat Italian ricotta cheese. <i>Food Chemistry</i> , 2016, 197, 1240-1248.	4.2	29
21	Genotype-phenotype analysis of S326C OGG1 polymorphism: a risk factor for oxidative pathologies. <i>Free Radical Biology and Medicine</i> , 2013, 63, 401-409.	1.3	28
22	The FAD-dependent glycerol-3-phosphate dehydrogenase of <i>Giardia duodenalis</i> : an unconventional enzyme that interacts with the g14-3-3 and it is a target of the antitumoral compound NBDHEX. <i>Frontiers in Microbiology</i> , 2015, 06, 544.	1.5	27
23	Streptococcal vimentin cross-reactive antibodies induce microvascular cardiac endothelial proinflammatory phenotype in rheumatic heart disease. <i>Clinical and Experimental Immunology</i> , 2013, 173, 419-429.	1.1	25
24	Anti-GAPDH Autoantibodies as a Pathogenic Determinant and Potential Biomarker of Neuropsychiatric Diseases. <i>Arthritis and Rheumatology</i> , 2016, 68, 2708-2716.	2.9	24
25	Exogenous Alpha-Synuclein Alters Pre- and Post-Synaptic Activity by Fragmenting Lipid Rafts. <i>EBioMedicine</i> , 2016, 7, 191-204.	2.7	24
26	Carbon Monoxide Signaling in Human Red Blood Cells: Evidence for Pentose Phosphate Pathway Activation and Protein Deglutathionylation. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 403-416.	2.5	22
27	Autoantibodies specific to D4GDI modulate Rho GTPase mediated cytoskeleton remodeling and induce autophagy in T lymphocytes. <i>Journal of Autoimmunity</i> , 2015, 58, 78-89.	3.0	21
28	Megalencephalic leukoencephalopathy with subcortical cysts protein-1 modulates endosomal pH and protein trafficking in astrocytes: Relevance to MLC disease pathogenesis. <i>Neurobiology of Disease</i> , 2014, 66, 1-18.	2.1	20
29	A method for the selective isolation and enrichment of carrier protein-bound low-molecular weight proteins and peptides in the blood. <i>Proteomics - Clinical Applications</i> , 2007, 1, 176-184.	0.8	18
30	Inactivation of Human Salivary Glutathione Transferase P1-1 by Hypothiocyanite: A Post-Translational Control System in Search of a Role. <i>PLoS ONE</i> , 2014, 9, e112797.	1.1	18
31	<i>Giardia Duodenalis</i> 14-3-3 Protein Is Polyglycylated by a Tubulin Tyrosine Ligase-like Member and Deglycylated by Two Metalloprotease-like Members. <i>Journal of Biological Chemistry</i> , 2011, 286, 4471-4484.	1.6	17
32	The Fatty Acid and Protein Profiles of Circulating CD81-Positive Small Extracellular Vesicles Are Associated with Disease Stage in Melanoma Patients. <i>Cancers</i> , 2021, 13, 4157.	1.7	17
33	Proteomic and functional analyses reveal pleiotropic action of the anti-tumoral compound NBDHEX in <i>Giardia duodenalis</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 147-158.	1.4	16
34	Peroxynitrite induces tyrosine residue modifications in synaptophysin C-terminal domain, affecting its interaction with <i>src</i> . <i>Journal of Neurochemistry</i> , 2009, 111, 859-869.	2.1	15
35	HIPK2 and extrachromosomal histone H2B are separately recruited by Aurora-B for cytokinesis. <i>Oncogene</i> , 2018, 37, 3562-3574.	2.6	15
36	Interkingdom Complementation Reveals Structural Conservation and Functional Divergence of 14-3-3 Proteins. <i>PLoS ONE</i> , 2013, 8, e78090.	1.1	13

#	ARTICLE	IF	CITATIONS
37	The Crystal Structure of Giardia duodenalis 14-3-3 in the Apo Form: When Protein Post-Translational Modifications Make the Difference. PLoS ONE, 2014, 9, e92902.	1.1	12
38	Src inhibitors modulate frataxin protein levels. Human Molecular Genetics, 2015, 24, 4296-4305.	1.4	12
39	HIPK2 sustains apoptotic response by phosphorylating Che-1/AATF and promoting its degradation. Cell Death and Disease, 2014, 5, e1414-e1414.	2.7	11
40	Formation of an adduct by clenbuterol, a $\beta_2$ -adrenoceptor agonist drug, and serum albumin in human saliva at the acidic pH of the stomach: Evidence for an aryl radical-based process. Free Radical Biology and Medicine, 2008, 45, 124-135.	1.3	7
41	Type E Botulinum Neurotoxin-Producing Clostridium butyricum Strains Are Aerotolerant during Vegetative Growth. MSystems, 2019, 4, .	1.7	7
42	Re-Discovery of Giardiavirus: Genomic and Functional Analysis of Viruses from Giardia duodenalis Isolates. Biomedicines, 2021, 9, 654.	1.4	6
43	Serum Low-Molecular-Weight Protein Fractionation for Biomarker Discovery. Methods in Molecular Biology, 2012, 823, 237-249.	0.4	6
44	The enzymatic processing of $\beta$ -dystroglycan by MMP-2 is controlled by two anchoring sites distinct from the active site. PLoS ONE, 2018, 13, e0192651.	1.1	4
45	Proteomics approaches to study the redox state of cysteine-containing proteins. Annali Dell'Istituto Superiore Di Sanita, 2005, 41, 451-7.	0.2	4
46	An insight into the abundant proteome of 46BR.1G1 fibroblasts deficient of DNA ligase I. Electrophoresis, 2012, 33, 307-315.	1.3	3
47	The Nitrobenzoxadiazole Derivative NBDHEX Behaves as Plasmodium falciparum Gametocyte Selective Inhibitor with Malaria Parasite Transmission Blocking Activity. Pharmaceuticals, 2022, 15, 168.	1.7	3
48	Efficient one-step chromatographic purification and functional characterization of recombinant human Saposin C. Protein Expression and Purification, 2011, 78, 209-215.	0.6	2
49	Structural basis of ubiquitination mediated by protein splicing in early Eukarya. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129844.	1.1	2
50	The nebulin SH3 domain is dispensable for normal skeletal muscle structure but is required for effective active load bearing in mouse. Development (Cambridge), 2014, 141, e108-e108.	1.2	0