

# Fiorella Tonello

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

2,910  
citations

279487

23  
h-index

233125

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutamate exocytosis from astrocytes controls synaptic strength. <i>Nature Neuroscience</i> , 2007, 10, 331-339.	7.1	706
2	The Neutrophil-Activating Protein (Hp-Nap) of <i>Helicobacter pylori</i> Is a Protective Antigen and a Major Virulence Factor. <i>Journal of Experimental Medicine</i> , 2000, 191, 1467-1476.	4.2	279
3	DisProt 7.0: a major update of the database of disordered proteins. <i>Nucleic Acids Research</i> , 2017, 45, D219-D227.	6.5	242
4	The <i>Helicobacter pylori</i> neutrophil-activating protein is an iron-binding protein with dodecameric structure. <i>Molecular Microbiology</i> , 1999, 34, 238-246.	1.2	159
5	Anthrax toxins suppress T lymphocyte activation by disrupting antigen receptor signaling. <i>Journal of Experimental Medicine</i> , 2005, 201, 325-331.	4.2	152
6	Anthrax toxins: a paradigm of bacterial immune suppression. <i>Trends in Immunology</i> , 2006, 27, 434-440.	2.9	152
7	Screening inhibitors of anthrax lethal factor. <i>Nature</i> , 2002, 418, 386-386.	13.7	106
8	Potent inhibitors of anthrax lethal factor from green tea. <i>EMBO Reports</i> , 2004, 5, 418-422.	2.0	74
9	The anthrax lethal factor and its MAPK kinase-specific metalloprotease activity. <i>Molecular Aspects of Medicine</i> , 2009, 30, 431-438.	2.7	71
10	Intracellular Targets and Metalloprotease Activity of Tetanus and Botulism Neurotoxins. <i>Current Topics in Microbiology and Immunology</i> , 1995, 195, 257-274.	0.7	70
11	Cell entry and cAMP imaging of anthrax edema toxin. <i>EMBO Journal</i> , 2006, 25, 5405-5413.	3.5	68
12	Anthrax toxins inhibit immune cell chemotaxis by perturbing chemokine receptor signalling. <i>Cellular Microbiology</i> , 2007, 9, 924-929.	1.1	68
13	Tyrosine-728 and glutamic acid-735 are essential for the metalloproteolytic activity of the lethal factor of <i>Bacillus anthracis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 496-502.	1.0	52
14	Imaging the cell entry of the anthrax oedema and lethal toxins with fluorescent protein chimeras. <i>Cellular Microbiology</i> , 2010, 12, 1435-1445.	1.1	50
15	The Metalloproteolytic Activity of the Anthrax Lethal Factor Is Substrate-inhibited. <i>Journal of Biological Chemistry</i> , 2003, 278, 40075-40078.	1.6	48
16	Active-site mutagenesis of tetanus neurotoxin implicates TYR-375 and GLU-271 in metalloproteolytic activity. <i>Toxicon</i> , 2001, 39, 1151-1159.	0.8	45
17	Ratio of lethal and edema factors in rabbit systemic anthrax. <i>Toxicon</i> , 2008, 52, 824-828.	0.8	41
18	<i>Bacillus anthracis</i> : Balancing innocent research with dual-use potential. <i>International Journal of Medical Microbiology</i> , 2008, 298, 345-364.	1.5	37

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19	Cell surface nucleolin interacts with and internalizes <i>Bothrops asper</i> Lys49 phospholipase A2 and mediates its toxic activity. <i>Scientific Reports</i> , 2018, 8, 10619.	1.6	36
20	Stop the killer: how to inhibit the anthrax lethal factor metalloprotease. <i>Trends in Biochemical Sciences</i> , 2004, 29, 282-285.	3.7	32
21	Stable peptide inhibitors prevent binding of lethal and oedema factors to protective antigen and neutralize anthrax toxin in vivo. <i>Biochemical Journal</i> , 2006, 395, 157-163.	1.7	30
22	<i>Bacillus anthracis</i> Factors for Phagosomal Escape. <i>Toxins</i> , 2012, 4, 536-553.	1.5	24
23	Anthrax Lethal Factor (LF) Mediated Block of the Anthrax Protective Antigen (PA) Ion Channel: Effect of Ionic Strength and Voltage. <i>Biochemistry</i> , 2006, 45, 3060-3068.	1.2	23
24	Metal substitution of tetanus neurotoxin. <i>Biochemical Journal</i> , 1997, 322, 507-510.	1.7	22
25	Structural Studies on the Zinc-endopeptidase Light Chain of Tetanus Neurotoxin. <i>FEBS Journal</i> , 1995, 229, 61-69.	0.2	21
26	A Lys49-PLA2 myotoxin of <i>Bothrops asper</i> triggers a rapid death of macrophages that involves autocrine purinergic receptor signaling. <i>Cell Death and Disease</i> , 2012, 3, e343-e343.	2.7	20
27	X-ray Absorption Spectroscopy Study of Zinc Coordination in Tetanus Neurotoxin, Astacin, Alkaline Protease and Thermolysin. <i>FEBS Journal</i> , 1996, 235, 606-612.	0.2	19
28	Cloning, expression, purification, and characterization of <i>Streptococcus pneumoniae</i> IgA1 protease. <i>Protein Expression and Purification</i> , 2006, 45, 142-149.	0.6	19
29	Anthrax Edema Factor, Voltage-dependent Binding to the Protective Antigen Ion Channel and Comparison to LF Binding. <i>Journal of Biological Chemistry</i> , 2006, 281, 32335-32343.	1.6	19
30	The adenylate cyclase toxin of <i>Bacillus anthracis</i> is a potent promoter of TH17 cell development. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 1635-1637.	1.5	19
31	Protective activity and immunogenicity of two recombinant anthrax vaccines for veterinary use. <i>Vaccine</i> , 2008, 26, 5684-5688.	1.7	18
32	cAMP imaging of cells treated with pertussis toxin, cholera toxin, and anthrax edema toxin. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 429-433.	1.0	18
33	Nucleolin: a cell portal for viruses, bacteria, and toxins. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 271.	2.4	16
34	Recombinant and Truncated Tetanus Neurotoxin Light Chain: Cloning, Expression, Purification, and Proteolytic Activity. <i>Protein Expression and Purification</i> , 1999, 15, 221-227.	0.6	14
35	Enzymatic labelling of snake venom phospholipase A2 toxins. <i>Toxicon</i> , 2019, 170, 99-107.	0.8	13
36	Nucleolin Rescues TDP-43 Toxicity in Yeast and Human Cell Models. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 625665.	1.8	12

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37	Chemical synthesis of the RGD-protein decorsin: Pro $\alpha$ Ala replacement reduces protein thermostability. <i>Protein Engineering, Design and Selection</i> , 2005, 18, 487-495.	1.0	11
38	Compartmentalized Cyclic AMP Production by the Bordetella pertussis and Bacillus anthracis Adenylate Cyclase Toxins Differentially Affects the Immune Synapse in T Lymphocytes. <i>Frontiers in Immunology</i> , 2018, 9, 919.	2.2	10
39	In vitro biological activity and toxicity of tetanus and botulinum neurotoxins. <i>Toxicology Letters</i> , 1998, 102-103, 191-197.	0.4	8
40	Production in Escherichia coli, folding, purification and characterization of notexin with wild type sequence and with N-terminal and catalytic site mutations. <i>Toxicon</i> , 2014, 88, 11-20.	0.8	8
41	Cellular Mechanisms of Action of Snake Phospholipase A2 Toxins. , 2017, , 49-65.		8
42	Short Linear Motifs Characterizing Snake Venom and Mammalian Phospholipases A2. <i>Toxins</i> , 2021, 13, 290.	1.5	7
43	Localization of Myotoxin I and Myotoxin II from the venom of Bothrops asper in a murine model. <i>Toxicon</i> , 2021, 197, 48-54.	0.8	7
44	Binding of N-terminal fragments of anthrax edema factor (EFN) and lethal factor (LFN) to the protective antigen pore. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1436-1443.	1.4	6
45	Structural Studies on the Zinc-endopeptidase Light Chain of Tetanus Neurotoxin. <i>FEBS Journal</i> , 1995, 229, 61-69.	0.2	4
46	Cellular Mechanisms of Action of Snake Phospholipase A2 Toxins. , 2015, , 1-14.		3
47	Proteases. , 0, , 271-282.		3
48	Bontoxilysins. , 2004, , 451-456.		0
49	Bontoxilysins. , 2013, , 660-665.		0