# Fiorella Tonello

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1885876/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 49 papers | 2,910 citations | 279798 23 h-index | 233421 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. Nature Neuroscience, 2007, 10, 331-339. | 14.8 | 706 |
| 2 | The Neutrophil-Activating Protein (Hp-Nap) of Helicobacter pylori Is a Protective Antigen and a Major Virulence Factor. Journal of Experimental Medicine, 2000, 191, 1467-1476. | 8.5 | 279 |
| 3 | DisProt 7.0: a major update of the database of disordered proteins. Nucleic Acids Research, 2017, 45, D219-D227. | 14.5 | 242 |
| 4 | The Helicobacter pylori neutrophil-activating protein is an iron-binding protein with dodecameric structure. Molecular Microbiology, 1999, 34, 238-246. | 2.5 | 159 |
| 5 | Anthrax toxins suppress T lymphocyte activation by disrupting antigen receptor signaling. Journal of Experimental Medicine, 2005, 201, 325-331. | 8.5 | 152 |
| 6 | Anthrax toxins: a paradigm of bacterial immune suppression. Trends in Immunology, 2006, 27, 434-440. | 6.8 | 152 |
| 7 | Screening inhibitors of anthrax lethal factor. Nature, 2002, 418, 386-386. | 27.8 | 106 |
| 8 | Potent inhibitors of anthrax lethal factor from green tea. EMBO Reports, 2004, 5, 418-422. | 4.5 | 74 |
| 9 | The anthrax lethal factor and its MAPK kinase-specific metalloprotease activity. Molecular Aspects of Medicine, 2009, 30, 431-438. | 6.4 | 71 |
| 10 | Intracellular Targets and Metalloprotease Activity of Tetanus and Botulism Neurotoxins. Current Topics in Microbiology and Immunology, 1995, 195, 257-274. | 1.1 | 70 |
| 11 | Cell entry and cAMP imaging of anthrax edema toxin. EMBO Journal, 2006, 25, 5405-5413. | 7.8 | 68 |
| 12 | Anthrax toxins inhibit immune cell chemotaxis by perturbing chemokine receptor signalling. Cellular Microbiology, 2007, 9, 924-929. | 2.1 | 68 |
| 13 | Tyrosine-728 and glutamic acid-735 are essential for the metalloproteolytic activity of the lethal factor of Bacillus anthracis. Biochemical and Biophysical Research Communications, 2004, 313, 496-502. | 2.1 | 52 |
| 14 | Imaging the cell entry of the anthrax oedema and lethal toxins with fluorescent protein chimeras. Cellular Microbiology, 2010, 12, 1435-1445. | 2.1 | 50 |
| 15 | The Metalloproteolytic Activity of the Anthrax Lethal Factor Is Substrate-inhibited. Journal of Biological Chemistry, 2003, 278, 40075-40078. | 3.4 | 48 |
| 16 | Active-site mutagenesis of tetanus neurotoxin implicates TYR-375 and GLU-271 in metalloproteolytic activity. Toxicon, 2001, 39, 1151-1159. | 1.6 | 45 |
| 17 | Ratio of lethal and edema factors in rabbit systemic anthrax. Toxicon, 2008, 52, 824-828. | 1.6 | 41 |
| 18 | Bacillus anthracis: Balancing innocent research with dual-use potential. International Journal of Medical Microbiology, 2008, 298, 345-364. | 3.6 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Cell surface nucleolin interacts with and internalizes Bothrops asper Lys49 phospholipase A2 and mediates its toxic activity. Scientific Reports, 2018, 8, 10619. | 3.3 | 36 |
| 20 | Stop the killer: how to inhibit the anthrax lethal factor metalloprotease. Trends in Biochemical Sciences, 2004, 29, 282-285. | 7.5 | 32 |
| 21 | Stable peptide inhibitors prevent binding of lethal and oedema factors to protective antigen and neutralize anthrax toxin in vivo. Biochemical Journal, 2006, 395, 157-163. | 3.7 | 30 |
| 22 | Bacillus anthracis Factors for Phagosomal Escape. Toxins, 2012, 4, 536-553. | 3.4 | 24 |
| 23 | Anthrax Lethal Factor (LF) Mediated Block of the Anthrax Protective Antigen (PA) Ion Channel:Â Effect of Ionic Strength and Voltageâ€. Biochemistry, 2006, 45, 3060-3068. | 2.5 | 23 |
| 24 | Metal substitution of tetanus neurotoxin. Biochemical Journal, 1997, 322, 507-510. | 3.7 | 22 |
| 25 | Structural Studies on the Zinc-endopeptidase Light Chain of Tetanus Neurotoxin. FEBS Journal, 1995, 229, 61-69. | 0.2 | 21 |
| 26 | A Lys49-PLA2 myotoxin of Bothrops asper triggers a rapid death of macrophages that involves autocrine purinergic receptor signaling. Cell Death and Disease, 2012, 3, e343-e343. | 6.3 | 20 |
| 27 | X-ray Absorption Spectroscopy Study of Zinc Coordination in Tetanus Neurotoxin, Astacin, Alkaline Protease and Thermolysin. FEBS Journal, 1996, 235, 606-612. | 0.2 | 19 |
| 28 | Cloning, expression, purification, and characterization of Streptococcus pneumoniae IgA1 protease. Protein Expression and Purification, 2006, 45, 142-149. | 1.3 | 19 |
| 29 | Anthrax Edema Factor, Voltage-dependent Binding to the Protective Antigen Ion Channel and Comparison to LF Binding. Journal of Biological Chemistry, 2006, 281, 32335-32343. | 3.4 | 19 |
| 30 | The adenylate cyclase toxin of Bacillus anthracis is a potent promoter of TH17 cell development. Journal of Allergy and Clinical Immunology, 2011, 127, 1635-1637. | 2.9 | 19 |
| 31 | Protective activity and immunogenicity of two recombinant anthrax vaccines for veterinary use. Vaccine, 2008, 26, 5684-5688. | 3.8 | 18 |
| 32 | cAMP imaging of cells treated with pertussis toxin, cholera toxin, and anthrax edema toxin. Biochemical and Biophysical Research Communications, 2008, 376, 429-433. | 2.1 | 18 |
| 33 | Nucleolin: a cell portal for viruses, bacteria, and toxins. Cellular and Molecular Life Sciences, 2022, 79, 271. | 5.4 | 16 |
| 34 | Recombinant and Truncated Tetanus Neurotoxin Light Chain: Cloning, Expression, Purification, and Proteolytic Activity. Protein Expression and Purification, 1999, 15, 221-227. | 1.3 | 14 |
| 35 | Enzymatic labelling of snake venom phospholipase A2 toxins. Toxicon, 2019, 170, 99-107. | 1.6 | 13 |
| 36 | Nucleolin Rescues TDP-43 Toxicity in Yeast and Human Cell Models. Frontiers in Cellular Neuroscience, 2021, 15, 625665. | 3.7 | 12 |

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|---|---|---|---|
| 37 | Chemical synthesis of the RGD-protein decorsin: Proâ†'Ala replacement reduces protein thermostability. Protein Engineering, Design and Selection, 2005, 18, 487-495. | 2.1 | 11 |
| 38 | Compartmentalized Cyclic AMP Production by the Bordetella pertussis and Bacillus anthracis Adenylate Cyclase Toxins Differentially Affects the Immune Synapse in T Lymphocytes. Frontiers in Immunology, 2018, 9, 919. | 4.8 | 10 |
| 39 | In vitro biological activity and toxicity of tetanus and botulinum neurotoxins. Toxicology Letters, 1998, 102-103, 191-197. | 0.8 | 8 |
| 40 | Production in Escherichia coli, folding, purification and characterization of notexin with wild type sequence and with N-terminal and catalytic site mutations. Toxicon, 2014, 88, 11-20. | 1.6 | 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. Toxins, 2021, 13, 290. | 3.4 | 7 |
| 43 | Localization of Myotoxin I and Myotoxin II from the venom of Bothrops asper in a murine model. Toxicon, 2021, 197, 48-54. | 1.6 | 7 |
| 44 | Binding of N-terminal fragments of anthrax edema factor (EFN) and lethal factor (LFN) to the protective antigen pore. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1436-1443. | 2.6 | 6 |
| 45 | Structural Studies on the Zinc-endopeptidase Light Chain of Tetanus Neurotoxin. FEBS Journal, 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 |