Davide Comoletti

List of Publications by Year
in descending order

36	2,601	331670	361022
papers	citations	21 h-index	35 g-index

37	37	37	3208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shed CNTNAP2 ectodomain is detectable in CSF and regulates Ca2+ homeostasis and network synchrony via PMCA2/ATP2B2. Neuron, 2022, 110, 627-643.e9.	8.1	17
2	Structure of Reelin repeat 8 and the adjacent C-terminal region. Biophysical Journal, 2022, 121, 2526-2537.	0.5	0
3	Case Report: Is Catatonia a Clinical Feature of the Natural Progression of NLGN2-Related Neurodevelopmental Disorder?. Journal of Autism and Developmental Disorders, 2021, 51, 371-376.	2.7	5
4	Comparative mapping of selected structural determinants on the extracellular domains of cholinesterase-like cell-adhesion molecules. Neuropharmacology, 2021, 184, 108381.	4.1	4
5	The structure-function relationship of a signaling-competent, dimeric Reelin fragment. Structure, 2021, 29, 1156-1170.e6.	3.3	6
6	In trans neuregulin3-Caspr3 interaction controls DA axonal bassoon cluster development. Current Biology, 2021, 31, 3330-3342.e7.	3.9	2
7	Purification of a heterodimeric Reelin construct to investigate binding stoichiometry. European Biophysics Journal, 2020, 49, 773-779.	2.2	3
8	Synapse type-specific proteomic dissection identifies IgSF8 as a hippocampal CA3 microcircuit organizer. Nature Communications, 2020, 11, 5171.	12.8	35
9	In utero exposure to endogenous maternal polyclonal anti-Caspr2 antibody leads to behavioral abnormalities resembling autism spectrum disorder in male mice. Scientific Reports, 2020, 10, 14446.	3.3	12
10	A Proteomic Screen of Neuronal Cell-Surface Molecules Reveals IgLONs as Structurally Conserved Interaction Modules at the Synapse. Structure, 2019, 27, 893-906.e9.	3.3	44
11	Secreted amyloid-Î² precursor protein functions as a GABA _B R1a ligand to modulate synaptic transmission. Science, 2019, 363, .	12.6	205
12	An ELISA-Based Screening Platform for Ligandâ€“Receptor Discovery. Methods in Enzymology, 2019, 615, 453-475.	1.0	18
13	P1â€185: SECRETED AMYLOID PRECURSOR PROTEIN IS A GABABR1A LIGAND THAT SUPPRESSES SYNAPTIC VESICLE RELEASE. Alzheimer's and Dementia, 2018, 14, P349.	0.8	1
14	Structural Insights into Reelin Function: Present and Future. Frontiers in Cellular Neuroscience, 2016, 10, 137.	3.7	27
15	Super-complexes of adhesion GPCRs and neural guidance receptors. Nature Communications, 2016, 7, 11184.	12.8	84
16	Structural Characterization of the Extracellular Domain of CASPR2 and Insights into Its Association with the Novel Ligand Contactin1. Journal of Biological Chemistry, 2016, 291, 5788-5802.	3.4	29
17	Autism-associated R451C mutation in neuroligin3 leads to activation of the unfolded protein response in a PC12 Tet-On inducible system. Biochemical Journal, 2016, 473, 423-434.	3.7	37
18	Structural and Mechanistic Insights into the Latrophilin3-FLRT3 Complex that Mediates Glutamatergic Synapse Development. Structure, 2015, 23, 1665-1677.	3.3	42

#	Article	IF	Citations
19	LRP8-Reelin-Regulated Neuronal Enhancer Signature Underlying Learning and Memory Formation. Neuron, 2015, 86, 696-710.	8.1	130
20	Reelin Induces Erk1/2 Signaling in Cortical Neurons Through a Non-canonical Pathway. Journal of Biological Chemistry, 2014, 289, 20307-20317.	3.4	49
21	Ecto-Fc MS identifies ligand-receptor interactions through extracellular domain Fc fusion protein baits and shotgun proteomic analysis. Nature Protocols, 2014, 9, 2061-2074.	12.0	21
22	Processing of Cholinesterase-like α/β-Hydrolase Fold Proteins: Alterations Associated with Congenital Disorders. Protein and Peptide Letters, 2012, 19, 173-179.	0.9	8
23	FLRT Proteins Are Endogenous Latrophilin Ligands and Regulate Excitatory Synapse Development. Neuron, 2012, 73, 903-910.	8.1	221
24	The Crystal Structure of the Î±-Neurexin-1 Extracellular Region Reveals a Hinge Point for Mediating Synaptic Adhesion and Function. Structure, 2011, 19, 767-778.	3.3	56
25	The Macromolecular Architecture of Extracellular Domain of Î±NRXN1: Domain Organization, Flexibility, and Insights into Trans-Synaptic Disposition. Structure, 2010, 18, 1044-1053.	3.3	30
26	Structureâ€“function relationships of the Î±/Î²-hydrolase fold domain of neuroligin: A comparison with acetylcholinesterase. Chemico-Biological Interactions, 2010, 187, 49-55.	4.0	10
27	LRRTM2 Interacts with Neurexin1 and Regulates Excitatory Synapse Formation. Neuron, 2009, 64, 799-806.	8.1	338
28	Characterization of the solution structure of a neuroligin/Î²-neurexin complex. Chemico-Biological Interactions, 2008, 175, 150-155.	4.0	8
29	Structural Analysis of the Synaptic Protein Neuroligin and Its Î²-Neurexin Complex: Determinants for Folding and Cell Adhesion. Neuron, 2007, 56, 979-991.	8.1	142
30	Synaptic Arrangement of the Neuroligin/Î²-Neurexin Complex Revealed by X-Ray and Neutron Scattering. Structure, 2007, 15, 693-705.	3.3	64
31	Gene Selection, Alternative Splicing, and Post-translational Processing Regulate Neuroligin Selectivity for Î²-Neurexinsâ€. Biochemistry, 2006, 45, 12816-12827.	2.5	117
32	A Mutation Linked with Autism Reveals a Common Mechanism of Endoplasmic Reticulum Retention for the Î±,Î²-Hydrolase Fold Protein Family. Journal of Biological Chemistry, 2006, 281, 9667-9676.	3.4	53
33	A Splice Code for trans-Synaptic Cell Adhesion Mediated by Binding of Neuroligin 1 to Î±- and Î²-Neurexins. Neuron, 2005, 48, 229-236.	8.1	416
34	The Arg451Cys-Neuroligin-3 Mutation Associated with Autism Reveals a Defect in Protein Processing. Journal of Neuroscience, 2004, 24, 4889-4893.	3.6	214
35	Structural Characterization of Recombinant Soluble Rat Neuroligin 1:â€‰ Mapping of Secondary Structure and Glycosylation by Mass Spectrometry. Biochemistry, 2004, 43, 1496-1506.	2.5	41
36	Characterization of the Interaction of a Recombinant Soluble Neuroligin-1 with Neurexin-1Î². Journal of Biological Chemistry, 2003, 278, 50497-50505.	3.4	111