GÃ¶ran AhlsÃ©n

List of Publications by Year
in descending order

31 papers	2,676 citations	201674 27 h-index	434195 31 g-index
35 all docs	35 docs citations	35 times ranked	3371 citing authors

#	Article	IF	Citations
1	How clustered protocadherin binding specificity is tuned for neuronal self-/nonself-recognition. ELife, 2022, 11, .	6.0	18
2	Synaptogenic activity of the axon guidance molecule Robo2 underlies hippocampal circuit function. Cell Reports, 2021, 37, 109828.	6.4	18
3	DIP/Dpr interactions and the evolutionary design of specificity in protein families. Nature Communications, 2020, 11, 2125.	12.8	26
4	Family-wide Structural and Biophysical Analysis of Binding Interactions among Non-clustered Î´-Protocadherins. Cell Reports, 2020, 30, 2655-2671.e7.	6.4	35
5	Effects of ALS-associated TANK binding kinase 1 mutations on proteinâ€“protein interactions and kinase activity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24517-24526.	7.1	37
6	Neuron-Subtype-Specific Expression, Interaction Affinities, and Specificity Determinants of DIP/Dpr Cell Recognition Proteins. Neuron, 2018, 100, 1385-1400.e6.	8.1	65
7	Interactions between the Ig-Superfamily Proteins DIP-Î± and Dpr6/10 Regulate Assembly of Neural Circuits. Neuron, 2018, 100, 1369-1384.e6.	8.1	64
8	Mechanotransduction by PCDH15 Relies on a Novel cis-Dimeric Architecture. Neuron, 2018, 99, 480-492.e5.	8.1	43
9	Homophilic and Heterophilic Interactions of Type II Cadherins Identify Specificity Groups Underlying Cell-Adhesive Behavior. Cell Reports, 2018, 23, 1840-1852.	6.4	54
10	Protocadherin cis -dimer architecture and recognition unit diversity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9829-E9837.	7.1	55
11	Structural Basis of Diverse Homophilic Recognition by Clustered Î±- and Î²-Protocadherins. Neuron, 2016, 90, 709-723.	8.1	87
12	Structural basis of adhesive binding by desmocollins and desmogleins. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7160-7165.	7.1	137
13	Molecular basis of sidekick-mediated cell-cell adhesion and specificity. ELife, 2016, 5, .	6.0	36
14	Î³-Protocadherin structural diversity and functional implications. ELife, 2016, 5, .	6.0	54
15	Crystal structure, conformational fixation and entry-related interactions of mature ligand-free HIV-1 Env. Nature Structural and Molecular Biology, 2015, 22, 522-531.	8.2	333
16	Molecular Logic of Neuronal Self-Recognition through Protocadherin Domain Interactions. Cell, 2015, 163, 629-642.	28.9	141
17	Structural and energetic determinants of adhesive binding specificity in type I cadherins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4175-84.	7.1	78
18	Crystal structures of Drosophila N-cadherin ectodomain regions reveal a widely used class of Ca ²⁺ -free interdomain linkers. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E127-34.	7.1	40

#	ARTICLE	IF	CITATIONS
19	Nectin ectodomain structures reveal a canonical adhesive interface. Nature Structural and Molecular Biology, 2012, 19, 906-915.	8.2	104
20	Complementary Chimeric Isoforms Reveal Dscam1 Binding Specificity InÂVivo. Neuron, 2012, 74, 261-268.	8.1	32
21	Structure and Binding Mechanism of Vascular Endothelial Cadherin: A Divergent Classical Cadherin. Journal of Molecular Biology, 2011, 408, 57-73.	4.2	76
22	Molecular design principles underlying Î²-strand swapping in the adhesive dimerization of cadherins. Nature Structural and Molecular Biology, 2011, 18, 693-700.	8.2	101
23	The Extracellular Architecture of Adherens Junctions Revealed by Crystal Structures of Type I Cadherins. Structure, 2011, 19, 244-256.	3.3	347
24	T-cadherin structures reveal a novel adhesive binding mechanism. Nature Structural and Molecular Biology, 2010, 17, 339-347.	8.2	118
25	Two-step adhesive binding by classical cadherins. Nature Structural and Molecular Biology, 2010, 17, 348-357.	8.2	184
26	Splice Form Dependence of Î²-Neurexin/Neuroligin Binding Interactions. Neuron, 2010, 67, 61-74.	8.1	89
27	Crystal Structures of Î²-Neurexin 1 and Î²-Neurexin 2 Ectodomains and Dynamics of Splice Insertion Sequence 4. Structure, 2008, 16, 410-421.	3.3	33
28	Dynamic Properties of a Type II Cadherin Adhesive Domain: Implications for the Mechanism of Strand-Swapping of Classical Cadherins. Structure, 2008, 16, 1195-1205.	3.3	55
29	Optimization of P1-P3 groups in symmetric and asymmetric HIV-1 protease inhibitors. FEBS Journal, 2003, 270, 1746-1758.	0.2	34
30	Synthesis and Comparative Molecular Field Analysis (CoMFA) of Symmetric and Nonsymmetric Cyclic Sulfamide HIV-1 Protease Inhibitors. Journal of Medicinal Chemistry, 2001, 44, 155-169.	6.4	101
31	Design and Fast Synthesis of C-Terminal Duplicated PotentC2-Symmetric P1/P1â€˜-Modified HIV-1 Protease Inhibitors. Journal of Medicinal Chemistry, 1999, 42, 3835-3844.	6.4	75