

# Deborah Leckband

## List of Publications by Year in descending order

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29  
papers

3,124  
citations

430874

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501196

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all docs

136  
docs citations

136  
times ranked

4071  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical disruption of E-cadherin complexes with epidermal growth factor receptor actuates growth factor-dependent signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	23
2	P120 catenin potentiates constitutive E-cadherin dimerization at the plasma membrane and regulates trans binding. Current Biology, 2021, 31, 3017-3027.e7.	3.9	22
3	Epidermal growth factor receptor and integrins control force-dependent vinculin recruitment to E-Cadherin junctions. Journal of Cell Science, 2018, 131, .	2.0	19
4	Salt bridges gate $\beta$ -catenin activation at intercellular junctions. Molecular Biology of the Cell, 2018, 29, 111-122.	2.1	21
5	A Computational Model for Kinetic Studies of Cadherin Binding and Clustering. Biophysical Journal, 2016, 111, 1507-1518.	0.5	22
6	$\beta$ -catenin phosphorylation promotes intercellular adhesion through a dual-kinase mechanism. Journal of Cell Science, 2015, 128, 1150-65.	2.0	43
7	Cadherin-dependent mechanotransduction depends on ligand identity but not affinity. Journal of Cell Science, 2012, 125, 4362-71.	2.0	48
8	Cadherin recognition and adhesion. Current Opinion in Cell Biology, 2012, 24, 620-627.	5.4	67
9	Biophysics of Cadherin Adhesion. Sub-Cellular Biochemistry, 2012, 60, 63-88.	2.4	14
10	Tissue Organization by Cadherin Adhesion Molecules: Dynamic Molecular and Cellular Mechanisms of Morphogenetic Regulation. Physiological Reviews, 2011, 91, 691-731.	28.8	349
11	Vinculin potentiates E-cadherin mechanosensing and is recruited to actin-anchored sites within adherens junctions in a myosin II-dependent manner. Journal of Cell Biology, 2010, 189, 1107-1115.	5.2	569
12	Allosteric Cross Talk between Cadherin Extracellular Domains. Biophysical Journal, 2010, 99, 95-104.	0.5	36
13	From Single Molecules to Living Cells: Nanomechanical Measurements of Cell Adhesion. Cellular and Molecular Bioengineering, 2008, 1, 312-326.	2.1	6
14	Two Stage Cadherin Kinetics Require Multiple Extracellular Domains but Not the Cytoplasmic Region. Journal of Biological Chemistry, 2008, 283, 1848-1856.	3.4	52
15	Biophysical Properties of Cadherin Bonds Do Not Predict Cell Sorting. Journal of Biological Chemistry, 2008, 283, 28454-28463.	3.4	55
16	Beyond structure: mechanism and dynamics of intercellular adhesion. Biochemical Society Transactions, 2008, 36, 213-220.	3.4	24
17	Surface Force Apparatus Measurements of Molecular Forces in Biological Adhesion. , 2008, , 1-22.		2
18	MECHANISM AND DYNAMICS OF CADHERIN ADHESION. Annual Review of Biomedical Engineering, 2006, 8, 259-287.	12.3	183

#	ARTICLE	IF	CITATIONS
19	Lifetime Measurements Reveal Kinetic Differences between Homophilic Cadherin Bonds. Biophysical Journal, 2006, 90, 1385-1395.	0.5	76
20	Nanomechanics of adhesion proteins. Current Opinion in Structural Biology, 2004, 14, 524-530.	5.7	17
21	MOLECULAR MECHANISMS OF CELL ADHESION: NEW PERSPECTIVES FROM SURFACE FORCE MEASUREMENTS. Journal of Adhesion, 2004, 80, 409-432.	3.0	2
22	Engineered Protein A for the Orientational Control of Immobilized Proteins. Bioconjugate Chemistry, 2003, 14, 974-978.	3.6	59
23	Intermolecular forces in biology. Quarterly Reviews of Biophysics, 2001, 34, 105-267.	5.7	584
24	Novel recognition mechanisms in biological adhesion. Current Opinion in Colloid and Interface Science, 2001, 6, 498-505.	7.4	7
25	Chain-length dependence of the protein and cell resistance of oligo(ethylene glycol)-terminated self-assembled monolayers on gold. Journal of Biomedical Materials Research Part B, 2001, 56, 406-416.	3.1	146
26	Measuring the Forces that Control Protein Interactions. Annual Review of Biophysics and Biomolecular Structure, 2000, 29, 1-26.	18.3	410
27	Direct Measurement of Polyethylene Glycol Induced Depletion Attraction between Lipid Bilayers. Langmuir, 1996, 12, 3003-3014.	3.5	187
28	The surface force apparatus "a" a tool for probing molecular protein interactions. Nature, 1995, 376, 617-618.	27.8	62
29	Structure and dynamics of ion-induced domains in free and supported monolayers and bilayers. Langmuir, 1994, 10, 303-315.	3.5	19