

# Yunfeng Chen

## List of Publications by Year in descending order

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38  
papers

1,751  
citations

393982

19  
h-index

454577

30  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Galectin 3 enhances platelet aggregation and thrombosis via Dectin-1 activation: a translational study. <i>European Heart Journal</i> , 2022, 43, 3556-3574.	1.0	19
2	One-Step Synthesis of Ribonucleases A $\alpha$ -Ag Nanocomposites as Fluorescent Nanodrugs for <i>in vivo</i> Delivery. <i>Nano</i> , 2021, 16, .	0.5	0
3	Generation, Transmission, and Regulation of Mechanical Forces in Embryonic Morphogenesis. <i>Small</i> , 2021, , 2103466.	5.2	5
4	Platelet Mechanobiology Inspired Microdevices: From Hematological Function Tests to Disease and Drug Screening. <i>Frontiers in Pharmacology</i> , 2021, 12, 779753.	1.6	6
5	Biomechanical thrombosis: the dark side of force and dawn of mechano-medicine. <i>Stroke and Vascular Neurology</i> , 2020, 5, 185-197.	1.5	17
6	Distinctive Mechano-sensitivity of Focal Adhesion Integrins $\alpha 5 \beta 1$ and $\alpha V \beta 3$ in Conformational Changes. <i>Biophysical Journal</i> , 2020, 118, 162a.	0.2	0
7	Dynamic bonds and their roles in mechanosensing. <i>Current Opinion in Chemical Biology</i> , 2019, 53, 88-97.	2.8	31
8	Tensile and compressive force regulation on cell mechanosensing. <i>Biophysical Reviews</i> , 2019, 11, 311-318.	1.5	18
9	An integrin $\alpha IIb \beta 3$ intermediate affinity state mediates biomechanical platelet aggregation. <i>Nature Materials</i> , 2019, 18, 760-769.	13.3	94
10	Fast Force Loading Disrupts Molecular Binding Stability in Human and Mouse Cell Adhesions. <i>MCB Molecular and Cellular Biomechanics</i> , 2019, 16, 211-223.	0.3	10
11	Diabetes and Thrombosis: The Dark Side of the Force. <i>MCB Molecular and Cellular Biomechanics</i> , 2019, 16, 96-96.	0.3	0
12	Fast Force Loading Disrupts Molecular Bond Stability in Human and Mouse Cell Adhesions. <i>MCB Molecular and Cellular Biomechanics</i> , 2019, 16, 97-97.	0.3	1
13	14-3-3 proteins in platelet biology and glycoprotein Ib-IX signaling. <i>Blood</i> , 2018, 131, 2436-2448.	0.6	30
14	Compression force sensing regulates integrin $\alpha IIb \beta 3$ adhesive function on diabetic platelets. <i>Nature Communications</i> , 2018, 9, 1087.	5.8	39
15	Humanized GPIb $\alpha$ -von Willebrand factor interaction in the mouse. <i>Blood Advances</i> , 2018, 2, 2522-2532.	2.5	12
16	Cis interaction between sialylated Fc $\gamma$ RIIA and the $\alpha I$ -domain of Mac-1 limits antibody-mediated neutrophil recruitment. <i>Nature Communications</i> , 2018, 9, 5058.	5.8	43
17	Dual Biomembrane Force Probe Enables Single-Cell Mechanical Analysis of Signal Crosstalk between Multiple Molecular Species. <i>Biophysical Journal</i> , 2018, 114, 322a-323a.	0.2	0
18	Apolipoprotein A-IV binds $\alpha IIb \beta 3$ integrin and inhibits thrombosis. <i>Nature Communications</i> , 2018, 9, 3608.	5.8	75

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19	Shear-induced integrin signaling in platelet phosphatidylserine exposure, microvesicle release, and coagulation. <i>Blood</i> , 2018, 132, 533-543.	0.6	52
20	Platelet receptor-mediated mechanosensing and thrombosis. , 2018, , 285-304.		0
21	Microfluidic auto-alignment of protein patterns for dissecting multi-receptor crosstalk in platelets. <i>Lab on A Chip</i> , 2018, 18, 2966-2974.	3.1	6
22	The integrin PSI domain has an endogenous thiol isomerase function and is a novel target for antiplatelet therapy. <i>Blood</i> , 2017, 129, 1840-1854.	0.6	48
23	Two-Dimensional Analysis of Cross-Junctional Molecular Interaction by Force Probes. <i>Methods in Molecular Biology</i> , 2017, 1584, 231-258.	0.4	12
24	Receptor-mediated cell mechanosensing. <i>Molecular Biology of the Cell</i> , 2017, 28, 3134-3155.	0.9	168
25	Dual Biomembrane Force Probe enables single-cell mechanical analysis of signal crosstalk between multiple molecular species. <i>Scientific Reports</i> , 2017, 7, 14185.	1.6	33
26	Force regulated conformational change of integrin $\alpha 5 \beta 1$ . <i>Matrix Biology</i> , 2017, 60-61, 70-85.	1.5	66
27	Neutrophil $\text{Fc}\gamma\text{RIIA}$ promotes IgG-mediated glomerular neutrophil capture via Abl/Src kinases. <i>Journal of Clinical Investigation</i> , 2017, 127, 3810-3826.	3.9	48
28	Mechanical regulation of a molecular clutch defines force transmission and transduction in response to matrix rigidity. <i>Nature Cell Biology</i> , 2016, 18, 540-548.	4.6	582
29	Cooperative unfolding of distinctive mechanoreceptor domains transduces force into signals. <i>ELife</i> , 2016, 5, .	2.8	66
30	Fluorescence Biomembrane Force Probe: Concurrent Quantitation of Receptor-ligand Kinetics and Binding-induced Intracellular Signaling on a Single Cell. <i>Journal of Visualized Experiments</i> , 2015, , e52975.	0.2	39
31	Von Willebrand factor-A1 domain binds platelet glycoprotein $\text{Ib}\beta$ in multiple states with distinctive force-dependent dissociation kinetics. <i>Thrombosis Research</i> , 2015, 136, 606-612.	0.8	46
32	A Lupus-Associated Mac-1 Variant Has Defects in Integrin Allostery and Interaction with Ligands under Force. <i>Cell Reports</i> , 2015, 10, 1655-1664.	2.9	62
33	Force-Induced Unfolding of Leucine-Rich Repeats of Glycoprotein $\text{Ib}\beta$ Strengthens Ligand Interaction. <i>Biophysical Journal</i> , 2015, 109, 1781-1784.	0.2	34
34	Force-Induced Cooperative Unfolding of Two Distinctive Domains in a Single $\text{GpIb}\alpha$ Molecule. <i>Blood</i> , 2015, 126, 3449-3449.	0.6	0
35	Identification and Characterization of Integrin $\alpha\text{IIb}\beta 3$ Intermediate Affinity State Induced By $\text{GpIb}\alpha$ Mechanotransduction. <i>Blood</i> , 2015, 126, 237-237.	0.6	0
36	Dynamic catch of a Thy-1 $\alpha$ 5 $\beta$ 1+syndecan-4 trimolecular complex. <i>Nature Communications</i> , 2014, 5, 4886.	5.8	85

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37	Apolipoprotein $\hat{I}$ -IV Is a Novel Ligand of Platelet $\hat{\alpha}$ IIb $\hat{\beta}$ 3 Integrin and an Endogenous Thrombosis Inhibitor: Measurement of Single-Molecular Interactions By Biomembrane Force Probe. Blood, 2014, 124, 92-92.	0.6	3
38	The Study of GPIb-VWF Mediated Early-Stage Platelet Activation Triggering On a Single Cell. Blood, 2012, 120, 1069-1069.	0.6	0