

# Yale E Goldman

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,134  
citations

471509

17  
h-index

434195

31  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Force Generation in Single Conventional Actomyosin Complexes under High Dynamic Load. <i>Biophysical Journal</i> , 2006, 90, 1295-1307.	0.5	157
2	Sliding distance between actin and myosin filaments per ATP molecule hydrolysed in skinned muscle fibres. <i>Nature</i> , 1991, 352, 352-354.	27.8	109
3	Positive cardiac inotrope omecamtiv mecarbil activates muscle despite suppressing the myosin working stroke. <i>Nature Communications</i> , 2018, 9, 3838.	12.8	107
4	Force-Dependent Detachment of Kinesin-2 Biases Track Switching at Cytoskeletal Filament Intersections. <i>Biophysical Journal</i> , 2012, 103, 48-58.	0.5	75
5	Single molecule mechanics resolves the earliest events in force generation by cardiac myosin. <i>ELife</i> , 2019, 8, .	6.0	68
6	Electron Tomography of Cryofixed, Isometrically Contracting Insect Flight Muscle Reveals Novel Actin-Myosin Interactions. <i>PLoS ONE</i> , 2010, 5, e12643.	2.5	60
7	Tilting and Wobble of Myosin V by High-Speed Single-Molecule Polarized Fluorescence Microscopy. <i>Biophysical Journal</i> , 2013, 104, 1263-1273.	0.5	58
8	MEMLET: An Easy-to-Use Tool for Data Fitting and Model Comparison Using Maximum-Likelihood Estimation. <i>Biophysical Journal</i> , 2016, 111, 273-282.	0.5	58
9	Elongation factor G initiates translocation through a power stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7515-7520.	7.1	53
10	Ataluren and aminoglycosides stimulate read-through of nonsense codons by orthogonal mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
11	Myosin with hypertrophic cardiac mutation R712L has a decreased working stroke which is rescued by omecamtiv mecarbil. <i>ELife</i> , 2021, 10, .	6.0	30
12	Interpreting the Energy-Dependent Anisotropy of Colloidal Nanorods Using Ensemble and Single-Particle Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23928-23937.	3.1	28
13	New <i>in Vitro</i> Assay Measuring Direct Interaction of Nonsense Suppressors with the Eukaryotic Protein Synthesis Machinery. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1285-1291.	2.8	28
14	Translocation kinetics and structural dynamics of ribosomes are modulated by the conformational plasticity of downstream pseudoknots. <i>Nucleic Acids Research</i> , 2018, 46, 9736-9748.	14.5	26
15	Kinetic Schemes for Post-Synchronized Single Molecule Dynamics. <i>Biophysical Journal</i> , 2012, 102, L23-L25.	0.5	24
16	Sexually dimorphic RNA helicases DDX3X and DDX3Y differentially regulate RNA metabolism through phase separation. <i>Molecular Cell</i> , 2022, 82, 2588-2603.e9.	9.7	24
17	EF-Tu dynamics during pre-translocation complex formation: EF-Tu-GDP exits the ribosome via two different pathways. <i>Nucleic Acids Research</i> , 2015, 43, 9519-9528.	14.5	22
18	<i>E. coli</i> elongation factor Tu bound to a GTP analogue displays an open conformation equivalent to the GDP-bound form. <i>Nucleic Acids Research</i> , 2018, 46, 8641-8650.	14.5	19

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19	Ataluren binds to multiple protein synthesis apparatus sites and competitively inhibits release factor-dependent termination. <i>Nature Communications</i> , 2022, 13, 2413.	12.8	19
20	Structural dynamics of translation elongation factor Tu during aa-tRNA delivery to the ribosome. <i>Nucleic Acids Research</i> , 2018, 46, 8651-8661.	14.5	17
21	Electro-optic deflectors deliver advantages over acousto-optical deflectors in a high resolution, ultra-fast force-clamp optical trap. <i>Optics Express</i> , 2018, 26, 11181.	3.4	16
22	tRNA Fluctuations Observed on Stalled Ribosomes Are Suppressed during Ongoing Protein Synthesis. <i>Biophysical Journal</i> , 2017, 113, 2326-2335.	0.5	13
23	The Antiparallel Dimerization of Myosin X Imparts Bundle Selectivity for Processive Motility. <i>Biophysical Journal</i> , 2018, 114, 1400-1410.	0.5	12
24	Nanoaperture fabrication via colloidal lithography for single molecule fluorescence analysis. <i>PLoS ONE</i> , 2019, 14, e0222964.	2.5	12
25	Myosin isoforms show different strokes for different blokes. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 737-739.	8.2	11
26	The mechanochemistry of the kinesin-2 KIF3AC heterodimer is related to strain-dependent kinetic properties of KIF3A and KIF3C. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15632-15641.	7.1	9
27	Straightening Out the Elasticity of Myosin Cross-Bridges. <i>Biophysical Journal</i> , 2020, 118, 994-1002.	0.5	9
28	Measuring Molecular Forces Using Calibrated Optical Tweezers in Living Cells. <i>Methods in Molecular Biology</i> , 2017, 1486, 537-552.	0.9	9
29	Reconstituting the Motility of Isolated Intracellular Cargoes. <i>Methods in Enzymology</i> , 2014, 540, 249-262.	1.0	7
30	Processivity and Velocity for Motors Stepping on Periodic Tracks. <i>Biophysical Journal</i> , 2020, 118, 1537-1551.	0.5	6
31	Kinesin-ADP: whole lotta shakin' goin' on. <i>Nature Structural Biology</i> , 2001, 8, 478-480.	9.7	5
32	An ultra-fast EOD-based force-clamp detects rapid biomechanical transitions. , 2017, , .		5
33	Deconvolution of Camera Instrument Response Functions. <i>Biophysical Journal</i> , 2017, 112, 1214-1220.	0.5	3
34	Imaging and Molecular Motors. , 0, , 41-85.		0
35	Drunk or Sober? Myosin V Walks the (Quantum) Dotted Line in Cells. <i>Biophysical Journal</i> , 2009, 97, 399-400.	0.5	0
36	Fabrication of Zero Mode Waveguides for High Concentration Single Molecule Microscopy. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	0

#	ARTICLE	IF	CITATIONS
37	No hype in hyperspace. Biophysical Journal, 2021, 120, 1306-1308.	0.5	0