

# Alex E Knight

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,105  
citations

304743

22  
h-index

289244

40  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Primary structure of dystrophin-related protein. <i>Nature</i> , 1992, 360, 591-593.	27.8	382
2	Characterization of the unconventional myosin VIII in plant cells and its localization at the post-cytokinetic cell wall. <i>Plant Journal</i> , 1999, 19, 555-567.	5.7	217
3	The Localization of Myosin VI at the Golgi Complex and Leading Edge of Fibroblasts and Its Phosphorylation and Recruitment into Membrane Ruffles of A431 Cells after Growth Factor Stimulation. <i>Journal of Cell Biology</i> , 1998, 143, 1535-1545.	5.2	192
4	A Myosin-like Protein from a Higher Plant. <i>Journal of Molecular Biology</i> , 1993, 231, 148-154.	4.2	112
5	Visualizing single molecules inside living cells using total internal reflection fluorescence microscopy. <i>Methods</i> , 2003, 29, 142-152.	3.8	112
6	Flat clathrin lattices: stable features of the plasma membrane. <i>Molecular Biology of the Cell</i> , 2014, 25, 3581-3594.	2.1	103
7	A Comparison of Protein Quantitation Assays for Biopharmaceutical Applications. <i>Molecular Biotechnology</i> , 2007, 37, 99-111.	2.4	91
8	Coiled-coil regions in the carboxy-terminal domains of dystrophin and related proteins: potentials for protein-protein interactions. <i>Trends in Biochemical Sciences</i> , 1995, 20, 133-135.	7.5	88
9	A Two-Tier Golgi-Based Control of Organelle Size Underpins the Functional Plasticity of Endothelial Cells. <i>Developmental Cell</i> , 2014, 29, 292-304.	7.0	87
10	Cellular uptake and intracellular fate of engineered nanoparticles: A review on the application of imaging techniques. <i>Nanotoxicology</i> , 2011, 5, 381-392.	3.0	55
11	Analysis of single-molecule mechanical recordings: application to acto-myosin interactions. <i>Progress in Biophysics and Molecular Biology</i> , 2001, 77, 45-72.	2.9	51
12	Correcting chromatic offset in multicolor super-resolution localization microscopy. <i>Optics Express</i> , 2013, 21, 10978.	3.4	51
13	Dystrophin and related proteins. <i>Current Opinion in Genetics and Development</i> , 1993, 3, 484-490.	3.3	50
14	Sequences of Sea Urchin Kinesin Light Chain Isoforms. <i>Journal of Molecular Biology</i> , 1993, 231, 155-158.	4.2	49
15	Stability and quantum yield effects of small molecule additives on solutions of semiconductor nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2005, 290, 437-443.	9.4	47
16	Super-resolution microscopy as a potential approach to diagnosis of platelet granule disorders. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 839-849.	3.8	44
17	Elements of image processing in localization microscopy. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 094012.	2.2	40
18	Test Samples for Optimizing STORM Super-Resolution Microscopy. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	35

#	ARTICLE	IF	CITATIONS
19	TestSTORM: Simulator for optimizing sample labeling and image acquisition in localization based super-resolution microscopy. <i>Biomedical Optics Express</i> , 2014, 5, 778.	2.9	33
20	Blind assessment of localisation microscope image resolution. <i>Optical Nanoscopy</i> , 2012, 1, 12.	4.0	32
21	An international comparability study to determine the sources of uncertainty associated with a non-competitive sandwich fluorescent ELISA. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 1033-45.	2.3	29
22	Optical Scattering Artifacts Observed in the Development of Multiplexed Surface Enhanced Raman Spectroscopy Nanotag Immunoassays. <i>Analytical Chemistry</i> , 2012, 84, 8246-8252.	6.5	22
23	Epithelial-mesenchymal transition, IP3 receptors and ER-PM junctions: translocation of Ca <sup>2+</sup> signalling complexes and regulation of migration. <i>Biochemical Journal</i> , 2016, 473, 757-767.	3.7	21
24	Super-resolution imaging of subcortical white matter using stochastic optical reconstruction microscopy (STORM) and super-resolution optical fluctuation imaging (SOFI). <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 417-426.	3.2	20
25	A new reference material for UV-visible circular dichroism spectroscopy. <i>Chirality</i> , 2008, 20, 1029-1038.	2.6	18
26	Aptamer-mediated detection of thrombin using silver nanoparticle signal enhancement. <i>Analytical Methods</i> , 2013, 5, 187-191.	2.7	17
27	International comparability in spectroscopic measurements of protein structure by circular dichroism: CCQM-P59.1. <i>Metrologia</i> , 2010, 47, 631-641.	1.2	15
28	Super-resolution microscopy in the diagnosis of platelet granule disorders. <i>Expert Review of Hematology</i> , 2017, 10, 375-381.	2.2	11
29	Single molecule measurements and biological motors. <i>European Biophysics Journal</i> , 2005, 35, 89-89.	2.2	10
30	Single-molecule fluorescence imaging by total internal reflection fluorescence microscopy (IUPAC) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.9	10
31	Coupling ATP hydrolysis to mechanical work. <i>Nature Cell Biology</i> , 1999, 1, E87-E89.	10.3	9
32	Single Molecule Genotyping by TIRF Microscopy. <i>Journal of Fluorescence</i> , 2008, 18, 1021-1026.	2.5	9
33	Nanoparticle metrology of silica colloids and super-resolution studies using the ADOTA fluorophore. <i>Measurement Science and Technology</i> , 2016, 27, 045007.	2.6	8
34	Bayesian analysis of an international ELISA comparability study. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 1459-68.	2.3	7
35	Uncertainty in measurement of protein circular dichroism spectra. <i>Metrologia</i> , 2014, 51, 67-79.	1.2	7
36	International comparability in spectroscopic measurements of protein structure by circular dichroism: CCQM-P59. <i>Metrologia</i> , 2010, 47, 08022-08022.	1.2	6

#	ARTICLE	IF	CITATIONS
37	Muscle, myosin and single molecules. Essays in Biochemistry, 2000, 35, 43-59.	4.7	6
38	Characterization of Three Regulatory States of the Striated Muscle Thin Filament. Journal of Molecular Biology, 2002, 323, 475-489.	4.2	3
39	Single Enzyme Studies: A Historical Perspective. Methods in Molecular Biology, 2011, 778, 1-9.	0.9	2
40	Single Molecule Studies of Myosins. , 2009, , 1-33.		1
41	Super-resolution fluorescent methods: where next for super-resolution?. Methods and Applications in Fluorescence, 2015, 3, 030201.	2.3	1
42	Introduction: The "Single Molecule" Paradigm. , 2009, , xvii-xxxv.		1
43	Scanning Near-Field Optical Microscopy and Related Techniques. , 2010, , 2457-2463.		1
44	Single-molecule fluorescence imaging by total internal reflection fluorescence microscopy (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 0.3		0
45	Recent innovations in super-resolution microscopy. Methods, 2015, 88, 1-2.	3.8	0
46	Scanning Near-Field Optical Microscopy and Related Techniques. , 2017, , 1-6.		0
47	Analysis of single-molecule mechanical recordings. , 2001, , 45-72.		0
48	CCQM-P58.1: Immunoassay Quantitation of Human Cardiac Troponin I.. Metrologia, 2015, 52, 08006-08006.	1.2	0