Alex E Knight

List of Publications by Year
in descending order

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48 papers	2,105 citations	346980 22 h-index	325983 40 g-index
49 all docs	49 docs citations	49 times ranked	2812 citing authors

#	Article	IF	Citations
1	Superâ€resolution imaging of subcortical white matter using stochastic optical reconstruction microscopy (STORM) and superâ€resolution optical fluctuation imaging (SOFI). Neuropathology and Applied Neurobiology, 2018, 44, 417-426.	1.8	20
2	Super-resolution microscopy in the diagnosis of platelet granule disorders. Expert Review of Hematology, 2017, 10, 375-381.	1.0	11
3	Scanning Near-Field Optical Microscopy and Related Techniques. , 2017, , 1-6.		0
4	Nanoparticle metrology of silica colloids and super-resolution studies using the ADOTA fluorophore. Measurement Science and Technology, 2016, 27, 045007.	1.4	8
5	Epithelialâ€“mesenchymal transition, IP3 receptors and ERâ€“PM junctions: translocation of Ca2+ signalling complexes and regulation of migration. Biochemical Journal, 2016, 473, 757-767.	1.7	21
6	Superâ€resolution microscopy as a potential approach to diagnosis of platelet granule disorders. Journal of Thrombosis and Haemostasis, 2016, 14, 839-849.	1.9	44
7	Super-resolution fluorescent methods: where next for super-resolution?. Methods and Applications in Fluorescence, 2015, 3, 030201.	1.1	1
8	Recent innovations in super-resolution microscopy. Methods, 2015, 88, 1-2.	1.9	0
9	CCQM-P58.1: Immunoassay Quantitation of Human Cardiac Troponin I.. Metrologia, 2015, 52, 08006-08006.	0.6	0
10	Uncertainty in measurement of protein circular dichroism spectra. Metrologia, 2014, 51, 67-79.	0.6	7
11	Single-molecule fluorescence imaging by total internal reflection fluorescence microscopy (IUPAC) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	10
12	Single-molecule fluorescence imaging by total internal reflection fluorescence microscopy (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	0
13	TestSTORM: Simulator for optimizing sample labeling and image acquisition in localization based super-resolution microscopy. Biomedical Optics Express, 2014, 5, 778.	1.5	33
14	Flat clathrin lattices: stable features of the plasma membrane. Molecular Biology of the Cell, 2014, 25, 3581-3594.	0.9	103
15	A Two-Tier Golgi-Based Control of Organelle Size Underpins the Functional Plasticity of Endothelial Cells. Developmental Cell, 2014, 29, 292-304.	3.1	87
16	Aptamer-mediated detection of thrombin using silver nanoparticle signal enhancement. Analytical Methods, 2013, 5, 187-191.	1.3	17
17	Correcting chromatic offset in multicolor super-resolution localization microscopy. Optics Express, 2013, 21, 10978.	1.7	51
18	Elements of image processing in localization microscopy. Journal of Optics (United Kingdom), 2013, 15, 094012.	1.0	40

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19	Test Samples for Optimizing STORM Super-Resolution Microscopy. Journal of Visualized Experiments, 2013, , .	0.2	35
20	Optical Scattering Artifacts Observed in the Development of Multiplexed Surface Enhanced Raman Spectroscopy Nanotag Immunoassays. Analytical Chemistry, 2012, 84, 8246-8252.	3.2	22
21	Blind assessment of localisation microscope image resolution. Optical Nanoscopy, 2012, 1, 12.	4.0	32
22	Cellular uptake and intracellular fate of engineered nanoparticles: A review on the application of imaging techniques. Nanotoxicology, 2011, 5, 381-392.	1.6	55
23	Bayesian analysis of an international ELISA comparability study. Clinical Chemistry and Laboratory Medicine, 2011, 49, 1459-68.	1.4	7
24	Single Enzyme Studies: A Historical Perspective. Methods in Molecular Biology, 2011, 778, 1-9.	0.4	2
25	International comparability in spectroscopic measurements of protein structure by circular dichroism: CCQM-P59. Metrologia, 2010, 47, 08022-08022.	0.6	6
26	International comparability in spectroscopic measurements of protein structure by circular dichroism: CCQM-P59.1. Metrologia, 2010, 47, 631-641.	0.6	15
27	Scanning Near-Field Optical Microscopy and Related Techniques. , 2010, , 2457-2463.		1
28	Single Molecule Studies of Myosins. , 2009, , 1-33.		1
29	Introduction: The â€œSingle Moleculeâ€•Paradigm. , 2009, , xvii-xxxv.		1
30	Single Molecule Genotyping by TIRF Microscopy. Journal of Fluorescence, 2008, 18, 1021-1026.	1.3	9
31	A new reference material for UVâ€“visible circular dichroism spectroscopy. Chirality, 2008, 20, 1029-1038.	1.3	18
32	An international comparability study to determine the sources of uncertainty associated with a non-competitive sandwich fluorescent ELISA. Clinical Chemistry and Laboratory Medicine, 2008, 46, 1033-45.	1.4	29
33	A Comparison of Protein Quantitation Assays for Biopharmaceutical Applications. Molecular Biotechnology, 2007, 37, 99-111.	1.3	91
34	Stability and quantum yield effects of small molecule additives on solutions of semiconductor nanoparticles. Journal of Colloid and Interface Science, 2005, 290, 437-443.	5.0	47
35	Single molecule measurements and biological motors. European Biophysics Journal, 2005, 35, 89-89.	1.2	10
36	Visualizing single molecules inside living cells using total internal reflection fluorescence microscopy. Methods, 2003, 29, 142-152.	1.9	112

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37	Characterization of Three Regulatory States of the Striated Muscle Thin Filament. Journal of Molecular Biology, 2002, 323, 475-489.	2.0	3
38	Analysis of single-molecule mechanical recordings: application to acto-myosin interactions. Progress in Biophysics and Molecular Biology, 2001, 77, 45-72.	1.4	51
39	Analysis of single-molecule mechanical recordings. , 2001, , 45-72.		0
40	Muscle, myosin and single molecules. Essays in Biochemistry, 2000, 35, 43-59.	2.1	6
41	Characterization of the unconventional myosin VIII in plant cells and its localization at the post-cytokinetic cell wall. Plant Journal, 1999, 19, 555-567.	2.8	217
42	Coupling ATP hydrolysis to mechanical work. Nature Cell Biology, 1999, 1, E87-E89.	4.6	9
43	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. Journal of Cell Biology, 1998, 143, 1535-1545.	2.3	192
44	Coiled-coil regions in the carboxy-terminal domains of dystrophin and related proteins: potentials for protein-protein interactions. Trends in Biochemical Sciences, 1995, 20, 133-135.	3.7	88
45	A Myosin-like Protein from a Higher Plant. Journal of Molecular Biology, 1993, 231, 148-154.	2.0	112
46	Sequences of Sea Urchin Kinesin Light Chain Isoforms. Journal of Molecular Biology, 1993, 231, 155-158.	2.0	49
47	Dystrophin and related proteins. Current Opinion in Genetics and Development, 1993, 3, 484-490.	1.5	50
48	Primary structure of dystrophin-related protein. Nature, 1992, 360, 591-593.	13.7	382