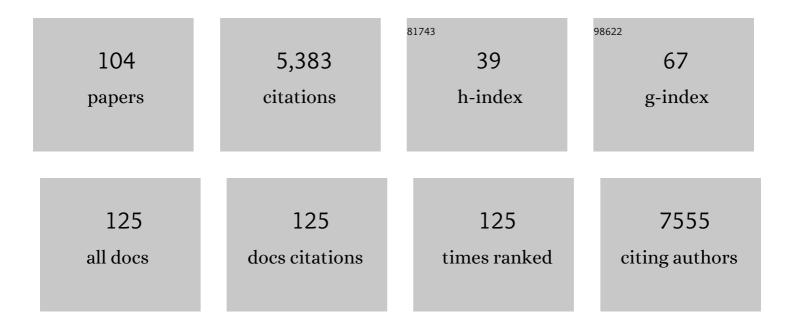
List of Publications by Year in descending order

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ΙΛΥ Ρ.ΗΝΟΠΗ

#	Article	lF	CITATIONS
1	Integrative structure and functional anatomy of a nuclear pore complex. Nature, 2018, 555, 475-482.	13.7	435
2	The Arp2/3 complex is required for lamellipodia extension and directional fibroblast cell migration. Journal of Cell Biology, 2012, 197, 239-251.	2.3	291
3	Critical Role of Amyloid-like Oligomers of Drosophila Orb2 in the Persistence of Memory. Cell, 2012, 148, 515-529.	13.5	262
4	Dynamic maintenance of asymmetric meiotic spindle position through Arp2/3-complex-driven cytoplasmic streaming in mouse oocytes. Nature Cell Biology, 2011, 13, 1252-1258.	4.6	239
5	Organelle-Based Aggregation and Retention of Damaged Proteins in Asymmetrically Dividing Cells. Cell, 2014, 159, 530-542.	13.5	209
6	DNA Aptamer-Based Bioanalysis of IgE by Fluorescence Anisotropy. Analytical Chemistry, 2005, 77, 1963-1970.	3.2	172
7	Image Correlation Spectroscopy of Multiphoton Images Correlates with Collagen Mechanical Properties. Biophysical Journal, 2008, 94, 2361-2373.	0.2	168
8	Actin Depolymerization Drives Actomyosin Ring Contraction during Budding Yeast Cytokinesis. Developmental Cell, 2012, 22, 1247-1260.	3.1	149
9	Sequential actin-based pushing forces drive meiosis I chromosome migration and symmetry breaking in ocytes. Journal of Cell Biology, 2013, 200, 567-576.	2.3	124
10	Superresolution expansion microscopy reveals the three-dimensional organization of the <i>Drosophila</i> synaptonemal complex. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6857-E6866.	3.3	121
11	Motility and Segregation of Hsp104-Associated Protein Aggregates in Budding Yeast. Cell, 2011, 147, 1186-1196.	13.5	114
12	Ribosomal DNA copy number loss and sequence variation in cancer. PLoS Genetics, 2017, 13, e1006771.	1.5	111
13	N-Cadherin-Expressing Bone and Marrow Stromal Progenitor Cells Maintain Reserve Hematopoietic Stem Cells. Cell Reports, 2019, 26, 652-669.e6.	2.9	106
14	Mitotic Transcriptional Activation: Clearance of Actively Engaged Pol II via Transcriptional Elongation Control in Mitosis. Molecular Cell, 2015, 60, 435-445.	4.5	102
15	Amyloidogenic Oligomerization Transforms Drosophila Orb2 from a Translation Repressor to an Activator. Cell, 2015, 163, 1468-1483.	13.5	99
16	Orientational Dynamics and Dye-DNA Interactions in a Dye-Labeled DNA Aptamer. Biophysical Journal, 2005, 88, 3455-3465.	0.2	94
17	Flippase-mediated phospholipid asymmetry promotes fast Cdc42 recycling in dynamic maintenance of cellApolarity. Nature Cell Biology, 2012, 14, 304-310.	4.6	94
18	Cell-Cycle-Coupled Structural Oscillation of Centromeric Nucleosomes in Yeast. Cell, 2012, 150, 304-316.	13.5	92

#	Article	IF	CITATIONS
19	The SUN Protein Mps3 Is Required for Spindle Pole Body Insertion into the Nuclear Membrane and Nuclear Envelope Homeostasis. PLoS Genetics, 2011, 7, e1002365.	1.5	89
20	Comprehensive structure and functional adaptations of the yeast nuclear pore complex. Cell, 2022, 185, 361-378.e25.	13.5	87
21	Two-photon microscopy with wavelength switchable fiber laser excitation. Optics Express, 2006, 14, 9825.	1.7	81
22	Cohesin Proteins Promote Ribosomal RNA Production and Protein Translation in Yeast and Human Cells. PLoS Genetics, 2012, 8, e1002749.	1.5	79
23	Analysis of Molecular Concentration and Brightness from Fluorescence Fluctuation Data with an Electron Multiplied CCD Camera. Biophysical Journal, 2008, 95, 5385-5398.	0.2	78
24	Analysis of membrane proteins localizing to the inner nuclear envelope in living cells. Journal of Cell Biology, 2016, 215, 575-590.	2.3	78
25	Molecular Basis of Orb2 Amyloidogenesis and Blockade of Memory Consolidation. PLoS Biology, 2016, 14, e1002361.	2.6	77
26	Quantifying Nucleation InÂVivo Reveals the Physical Basis of Prion-like Phase Behavior. Molecular Cell, 2018, 71, 155-168.e7.	4.5	76
27	The membrane-associated proteins FCHo and SCIP are allosteric activators of the AP2 clathrin adaptor complex. ELife, 2014, 3, .	2.8	75
28	Non-uniform membrane diffusion enables steady-state cell polarization via vesicular trafficking. Nature Communications, 2013, 4, 1380.	5.8	68
29	Combined expansion microscopy with structured illumination microscopy for analyzing protein complexes. Nature Protocols, 2018, 13, 1869-1895.	5.5	68
30	Three-dimensional reconstructions of Arp2/3 complex with bound nucleation promoting factors. EMBO Journal, 2012, 31, 236-247.	3.5	67
31	Structured illumination with particle averaging reveals novel roles for yeast centrosome components during duplication. ELife, 2015, 4, .	2.8	64
32	Analysis of dynamic changes in retinoid-induced transcription and epigenetic profiles of murine <i>Hox</i> clusters in ES cells. Genome Research, 2015, 25, 1229-1243.	2.4	64
33	Independence of symmetry breaking on Bem1-mediated autocatalytic activation of Cdc42. Journal of Cell Biology, 2013, 202, 1091-1106.	2.3	61
34	Single-Molecule Resonance Energy Transfer and Fluorescence Correlation Spectroscopy of Calmodulin in Solutionâ€. Journal of Physical Chemistry B, 2004, 108, 10388-10397.	1.2	60
35	Fluorescence Properties of Fluorescein, Tetramethylrhodamine and Texas Red Linked to a DNA Aptamer¶. Photochemistry and Photobiology, 2005, 81, 682.	1.3	59
36	Dynamic regulation of Nanog and stem cell-signaling pathways by Hoxa1 during early neuro-ectodermal differentiation of ES cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5838-5845.	3.3	54

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37	Corolla Is a Novel Protein That Contributes to the Architecture of the Synaptonemal Complex of <i>Drosophila</i> . Genetics, 2014, 198, 219-228.	1.2	53
38	The SUN protein Mps3 controls Ndc1 distribution and function on the nuclear membrane. Journal of Cell Biology, 2014, 204, 523-539.	2.3	50
39	Vilya, a component of the recombination nodule, is required for meiotic double-strand break formation in Drosophila. ELife, 2015, 4, e08287.	2.8	45
40	Conformational Substates of Calmodulin Revealed by Single-Pair Fluorescence Resonance Energy Transfer: Influence of Solution Conditions and Oxidative Modificationâ€. Biochemistry, 2005, 44, 3694-3707.	1.2	44
41	Cohesion promotes nucleolar structure and function. Molecular Biology of the Cell, 2014, 25, 337-346.	0.9	44
42	Structural plasticity of the living kinetochore. Journal of Cell Biology, 2017, 216, 3551-3570.	2.3	42
43	Molecular model of fission yeast centrosome assembly determined by superresolution imaging. Journal of Cell Biology, 2017, 216, 2409-2424.	2.3	41
44	Superresolution microscopy reveals linkages between ribosomal DNA on heterologous chromosomes. Journal of Cell Biology, 2019, 218, 2492-2513.	2.3	40
45	PCP and Wnt pathway components act in parallel during zebrafish mechanosensory hair cell orientation. Nature Communications, 2019, 10, 3993.	5.8	38
46	A Putative Biochemical Engram of Long-Term Memory. Current Biology, 2016, 26, 3143-3156.	1.8	35
47	HOXA1 and TALE proteins display cross-regulatory interactions and form a combinatorial binding code on HOXA1 targets. Genome Research, 2017, 27, 1501-1512.	2.4	35
48	Yeast centrosome components form a noncanonical LINC complex at the nuclear envelope insertion site. Journal of Cell Biology, 2019, 218, 1478-1490.	2.3	33
49	Tumor-initiating stem cell shapes its microenvironment into an immunosuppressive barrier and pro-tumorigenic niche. Cell Reports, 2021, 36, 109674.	2.9	33
50	Binding of <i>Drosophila</i> Polo kinase to its regulator Matrimony is noncanonical and involves two separate functional domains. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1222-31.	3.3	27
51	WDR76 Co-Localizes with Heterochromatin Related Proteins and Rapidly Responds to DNA Damage. PLoS ONE, 2016, 11, e0155492.	1.1	27
52	Sampling Unfolding Intermediates in Calmodulin by Single-Molecule Spectroscopy. Journal of the American Chemical Society, 2005, 127, 12107-12114.	6.6	26
53	Acetylation of the SUN protein Mps3 by Eco1 regulates its function in nuclear organization. Molecular Biology of the Cell, 2012, 23, 2546-2559.	0.9	26
54	Conformational Flexibility, Hydration and State Parameter Fluctuations of Fibroblast Growth Factor-10:Â Effects of Ligand Binding. Biochemistry, 2006, 45, 15288-15300.	1.2	25

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55	Distribution of Proteins at the Inner Nuclear Membrane Is Regulated by the Asi1 E3 Ligase in <i>Saccharomyces cerevisiae</i> . Genetics, 2019, 211, 1269-1282.	1.2	25
56	Gamma-Tubulin Is Required for Bipolar Spindle Assembly and for Proper Kinetochore Microtubule Attachments during Prometaphase I in Drosophila Oocytes. PLoS Genetics, 2011, 7, e1002209.	1.5	24
57	Assembly of the Elongin A Ubiquitin Ligase Is Regulated by Genotoxic and Other Stresses. Journal of Biological Chemistry, 2015, 290, 15030-15041.	1.6	24
58	Fluorescence Properties of Fluorescein, Tetramethylrhodamine, and Texas Red linked to a DNA Aptamer. Photochemistry and Photobiology, 2005, 81, 682-90.	1.3	19
59	Tyrosyl Rotamer Interconversion Rates and the Fluorescence Decays ofN-Acetyltyrosinamide and Short Tyrosyl Peptides. Journal of Physical Chemistry B, 2007, 111, 5494-5502.	1.2	16
60	Intracellular chloride concentration of the mouse vomeronasal neuron. BMC Neuroscience, 2015, 16, 90.	0.8	16
61	Cockayne syndrome B protein regulates recruitment of the Elongin A ubiquitin ligase to sites of DNA damage. Journal of Biological Chemistry, 2017, 292, 6431-6437.	1.6	16
62	Effects of Ligand Binding and Oxidation on Hinge-Bending Motions inS-Adenosyl-l-homocysteine Hydrolase. Biochemistry, 2006, 45, 7778-7786.	1.2	15
63	Reorientations of Aromatic Amino Acids and Their Side Chain Models: Anisotropy Measurements and Molecular Dynamics Simulations. Journal of Physical Chemistry A, 2010, 114, 133-142.	1.1	15
64	Spectroscopy and Photophysics of Indoline and Indoline-2-Carboxylic Acid. Journal of Physical Chemistry A, 2003, 107, 5660-5669.	1.1	14
65	Conformational Heterogeneity of a Leucine Enkephalin Analogue in Aqueous Solution and Sodium Dodecyl Sulfate Micelles: Comparison of Time-Resolved FRET and Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2009, 113, 14381-14392.	1.2	13
66	Quantitative analysis of nuclear pore complex organization in <i>Schizosaccharomyces pombe</i> . Life Science Alliance, 2022, 5, e202201423.	1.3	13
67	Karyotyping human and mouse cells using probes from single-sorted chromosomes and open source software. BioTechniques, 2015, 59, 335-346.	0.8	12
68	The stoichiometry of the outer kinetochore is modulated by microtubule-proximal regulatory factors. Journal of Cell Biology, 2019, 218, 2124-2135.	2.3	12
69	Proteome plasticity in response to persistent environmental change. Molecular Cell, 2021, 81, 3294-3309.e12.	4.5	12
70	Fluorescence Fluctuation Spectroscopy and Imaging Methods for Examination of Dynamic Protein Interactions in Yeast. Methods in Molecular Biology, 2011, 759, 283-306.	0.4	12
71	Sec66-Dependent Regulation of Yeast Spindle-Pole Body Duplication Through Pom152. Genetics, 2015, 201, 1479-1495.	1.2	11
72	β-Catenin and Associated Proteins Regulate Lineage Differentiation in Ground State Mouse Embryonic Stem Cells. Stem Cell Reports, 2020, 15, 662-676.	2.3	11

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73	Fluorescence Properties of Fluorescein, Tetramethylrhodamine and Texas Red Linked to a DNA Aptamer <sup>¶</sup> . Photochemistry and Photobiology, 2005, 81, 682-690.	1.3	10
74	Functional Analysis of the Yeast LINC Complex Using Fluctuation Spectroscopy and Super-Resolution Imaging. Methods in Molecular Biology, 2018, 1840, 137-161.	0.4	10
75	<i>X</i> chromosome and autosomal recombination are differentially sensitive to disruptions in SC maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21641-21650.	3.3	10
76	Evaluation of a femtosecond fiber laser for two-photon fluorescence correlation spectroscopy. Microscopy Research and Technique, 2006, 69, 891-893.	1.2	9
77	The budding yeast RSC complex maintains ploidy by promoting spindle pole body insertion. Journal of Cell Biology, 2018, 217, 2445-2462.	2.3	9
78	Amyloid-like Assembly Activates a Phosphatase in the Developing Drosophila Embryo. Cell, 2019, 178, 1403-1420.e21.	13.5	9
79	Dopamine receptor antagonists as potential therapeutic agents for ADPKD. PLoS ONE, 2019, 14, e0216220.	1.1	9
80	Fluorescence correlation spectroscopy as tool for high-content-screening in yeast (HCS-FCS). Proceedings of SPIE, 2011, , .	0.8	8
81	Driving integrative structural modeling with serial capture affinity purification. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31861-31870.	3.3	8
82	BAC Modification through Serial or Simultaneous Use of CRE/Lox Technology. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-12.	3.0	7
83	Mechanism of interaction of PITPα with membranes: Conformational changes in the C-terminus associated with membrane binding. Archives of Biochemistry and Biophysics, 2005, 444, 112-120.	1.4	6
84	Quality Control: Putting Protein Aggregates in a Bind. Current Biology, 2013, 23, R74-R76.	1.8	6
85	Correction of bleaching artifacts in high content fluorescence correlation spectroscopy (HCS-FCS) data. Proceedings of SPIE, 2013, , .	0.8	6
86	Imaging-based assays for investigating functions of the RNA polymerase II elongation factor Elongin and the Elongin ubiquitin ligase. Methods, 2019, 159-160, 157-164.	1.9	6
87	Redistribution of centrosomal proteins by centromeres and Polo kinase controls partial nuclear envelope breakdown in fission yeast. Molecular Biology of the Cell, 2021, 32, 1487-1500.	0.9	6
88	A nucleation barrier spring-loads the CBM signalosome for binary activation. ELife, 0, 11, .	2.8	6
89	Fluorescence Probes of Protein Dynamics and Conformations in Freely Diffusing Molecules. , 2006, , 239-259.		5
90	Orderly assembly underpinning built-in asymmetry in the yeast centrosome duplication cycle requires cyclin-dependent kinase. ELife, 2020, 9, .	2.8	5

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91	Imaging methodologies for systems biology. Cell Adhesion and Migration, 2014, 8, 468-477.	1.1	3
92	A role for the Cockayne Syndrome B (CSB)-Elongin ubiquitin ligase complex in signal-dependent RNA polymerase II transcription. Journal of Biological Chemistry, 2021, 297, 100862.	1.6	3
93	Multiple roles for PARP1 in ALC1-dependent nucleosome remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	3
94	A distinct inner nuclear membrane proteome in <i>Saccharomyces cerevisiae</i> gametes. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	3
95	Super-resolution Microscopy-based Bimolecular Fluorescence Complementation to Study Protein Complex Assembly and Co-localization. Bio-protocol, 2020, 10, e3524.	0.2	2
96	Tyrosine and peptide reorientational mobility in polymer solutions: Time-dependent fluorescence anisotropy measurements. Biopolymers, 2003, 69, 351-362.	1.2	1
97	Mitochondrial Origin of Cytosolic Protein Aggregation. SSRN Electronic Journal, 0, , .	0.4	1
98	Planarian Ovary Dissection for Ultrastructural Analysis and Antibody Staining. Journal of Visualized Experiments, 2021, , .	0.2	0
99	To activate or destroy: regulation of the RNA Pol II elongation factor and ubiquitin ligase Elongin (550.3). FASEB Journal, 2014, 28, 550.3.	0.2	0
100	Synaptonemal Complex Architecture Facilitates Chromosome-specific Regulation of Recombination in Drosophila. SSRN Electronic Journal, 0, , .	0.4	0
101	Amyloid-Like Assembly During Embryogenesis Activates Herzog, a Novel Prion-Like Phosphatase. SSRN Electronic Journal, 0, , .	0.4	0
102	Using Spatial Transcriptomics to Reveal Fetal Liver Hematopoietic Stem Cell-Niche Interactions. Blood, 2021, 138, 3284-3284.	0.6	0
103	A High-throughput Automated ELISA Assay for Detection of IgG Antibodies to the SARS-CoV-2 Spike Protein. Bio-protocol, 2022, 12, e4301.	0.2	0
104	Structure of a pathologic amyloid nucleus determined by rational genetic deconstruction of an intracellular nucleation barrier. FASEB Journal, 2022, 36, .	0.2	0