Thoru Pederson

List of Publications by Year in Descending Order

122 papers	5,445 citations	40 h-index	72 g-index
206 ext. papers	6,117 ext. citations	6 avg, IF	6.4 L-index

#	Paper	IF	Citations
122	The UVSSA protein is part of a genome integrity homeostasis network with links to transcription-coupled DNA repair and ATM signaling.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2116254119	11.5	0
121	A layperson encounter, on the "modified" RNA world. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
120	Millie Hughes-Fulford, 1945-2021. *FASEB Journal*, **2021**, 35, e21493	0.9	
119	Genome architecture and expression 2019-2020: the transition phase. *Current Opinion in Genetics and Development*, **2021**, 67, 1-4	4.9	2
118	Informosomes, East and West. *Biochemistry (Moscow)*, **2021**, 86, 1041-1043	2.9	0
117	Simultaneous epigenetic perturbation and genome imaging reveal distinct roles of H3K9me3 in chromatin architecture and transcription. *Genome Biology*, **2020**, 21, 296	18.3	8
116	The Centriole Mystique. *Trends in Cell Biology*, **2020**, 30, 590-593	18.3	0
115	STRIDE-a fluorescence method for direct, specific in situ detection of individual single- or double-strand DNA breaks in fixed cells. *Nucleic Acids Research*, **2020**, 48, e14	20.1	8
114	A 20-year encounter with the imposter syndrome. *Molecular Biology of the Cell*, **2020**, 31, 2509-2510	3.5	1
113	The Sydney Brenner. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13155-13157	11.5	0
112	Cell cycle- and genomic distance-dependent dynamics of a discrete chromosomal region. *Journal of Cell Biology*, **2019**, 218, 1467-1477	7.3	20
111	Arthur B. Pardee (1921-2019). *Science*, **2019**, 364, 238	33.3	
110	A tribute to Gerald Weissmann (1930-2019). *Journal of Clinical Investigation*, **2019**, 129, 4553-4555	15.9	
109	Jonathan R. Warner (1936–2019): pioneer of ribosome biosynthesis. *Rna*, **2019**, 25, vii-ix	5.8	78
108	PML-like subnuclear bodies, containing XRCC1, juxtaposed to DNA replication-based single-strand breaks. *FASEB Journal*, **2019**, 33, 2301-2313	0.9	5
107	Günter Blobel: a voyager of the cell. *Molecular Biology of the Cell*, **2018**, 29, 1281-1283	3.5	
106	CRISPR-Sirius: RNA scaffolds for signal amplification in genome imaging. *Nature Methods*, **2018**, 15, 928-931	23.6	65

105	A CRISPR-Based Selective Gene Inhibition Method Reveals Dynamic Features of a Cell Nucleus Nanobody Related to the Disease Myotonic Dystrophy. *Small Methods*, **2018**, 2, 1700400	12.8	
104	J□g Langowski 1955-2017. *Nucleus*, **2017**, 8, 381-382	3.9	0
103	CRISPR-Cas9 nuclear dynamics and target recognition in living cells. *Journal of Cell Biology*, **2016**, 214, 529-37	7.3	98
102	The Memorable and Upbeat M.C. Chang. *Molecular Reproduction and Development*, **2016**, 83, 853-854	2.6	0
101	Multiplexed labeling of genomic loci with dCas9 and engineered sgRNAs using CRISPRainbow. *Nature Biotechnology*, **2016**, 34, 528-30	44.5	242
100	Multicolor CRISPR labeling of chromosomal loci in human cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3002-7	11.5	276
99	The Phase Diagram of a Self-Absorbed Life: Carl Djerassi in Retrospect-From the Pill to the Pen. *FASEB Journal*, **2015**, 29, 745-747	0.9	1
98	Molecular Biology of the Gene: by James D. Watson: W. A. Benjamin (1965): New York, New York. *FASEB Journal*, **2015**, 29, 4399-401	0.9	2
97	Forces, fluctuations, and self-organization in the nucleus. *Molecular Biology of the Cell*, **2015**, 26, 3915-9	3.5	6
96	Fair and prompt. *Rna*, **2015**, 21, 711	5.8	1
95	Connecting the nucleolus to the cell cycle and human disease. *FASEB Journal*, **2014**, 28, 3290-6	0.9	64
94	The nuclear physique. *International Review of Cell and Molecular Biology*, **2014**, 307, 1-13	6	8
93	Nuclear physics (of the cell, not the atom). *Molecular Biology of the Cell*, **2014**, 25, 3466-9	3.5	5
92	Nucleostemin and GNL3L exercise distinct functions in genome protection and ribosome synthesis, respectively. *Journal of Cell Science*, **2014**, 127, 2302-12	5.3	20
91	Repeated TALEs: visualizing DNA sequence localization and chromosome dynamics in live cells. *Nucleus*, **2014**, 5, 28-31	3.9	6
90	A mRNA and cognate microRNAs localize in the nucleolus. *Nucleus*, **2014**, 5, 636-42	3.9	18
89	The persistent plausibility of protein synthesis in the nucleus: process, palimpsest or pitfall?. *Current Opinion in Cell Biology*, **2013**, 25, 520-1	9	6
88	Cell biology: a high-resolution image, viewed through a powerful lens. *Molecular Biology of the Cell*, **2013**, 24, 1260-1262	3.5	1

87	Life, redrawn: a memoir of Carl R. Woese (1928-2012). *FASEB Journal*, **2013**, 27, 1285-7	0.9	1
86	Networking development by Boolean logic. *Nucleus*, **2013**, 4, 89-91	3.9	3
85	Turning on a dime: the 75th anniversary of America's march against polio. *FASEB Journal*, **2013**, 27, 2533-5	0.9	0
84	Visualization of repetitive DNA sequences in human chromosomes with transcription activator-like effectors. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 21048-53	11.5	100
83	The nucleolus stress response is coupled to an ATR-Chk1-mediated G2 arrest. *Molecular Biology of the Cell*, **2013**, 24, 1334-42	3.5	34
82	Nuclear export, enlightened. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 9228-9	11.5	1
81	"Tall oaks fallen": three pioneers of chromosome science. *Nucleus*, **2012**, 3, 113-4	3.9	
80	Sense and antisense in biotech: the first antisense DNA company. *FASEB Journal*, **2012**, 26, 3594-601	0.9	0
79	Paul Doty and the modern era of DNA as a molecule. *FASEB Journal*, **2012**, 26, 967-8	0.9	1
78	An MBoC Favorite: A guide to simple and informative binding assays. *Molecular Biology of the Cell*, **2012**, 23, 1400-1400	3.5	78
77	The "study" role of past National Institutes of Health study sections. *Molecular Biology of the Cell*, **2012**, 23, 3281-4	3.5	2
76	Steroid sonnets: a conversation with Seymour Lieberman (1916-2012). Interview by Thoru Pederson. *FASEB Journal*, **2012**, 26, 4775-7	0.9	1
75	The expanded repertoire of a classical intranuclear domain. *FASEB Journal*, **2012**, 26, 201.2	0.9	
74	Is chromatin helical?. *Nature Reviews Molecular Cell Biology*, **2011**, 13, 6	48.7	
73	The nucleus introduced. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	26
72	The nucleolus. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	225
71	Milestone Books. *FASEB Journal*, **2011**, 25, 2512-2512	0.9	2
70	Eric Kandel and Charlie Rose: a stylish synapse. Review of The Brain Series, (televised on The Charlie Rose Show, syndicated by the Public Broadcasting System, now available on DVD). *FASEB Journal*, **2011**, 25, 1438-40	0.9	0

69	Regulatory RNAs derived from transfer RNA?. *Rna*, **2010**, 16, 1865-9	5.8	98
68	"Compact" nuclear domains: reconsidering the nucleolus. *Nucleus*, **2010**, 1, 444-5	3.9	15
67	An Olympian protozoan. *Nucleus*, **2010**, 1, 2-3	3.9	3
66	The discovery of eukaryotic genome design and its forgotten corollary--the postulate of gene regulation by nuclear RNA. *FASEB Journal*, **2009**, 23, 2019-21	0.9	2
65	In search of nonribosomal nucleolar protein function and regulation. *Journal of Cell Biology*, **2009**, 184, 771-6	7.3	128
64	MicroRNAs with a nucleolar location. *Rna*, **2009**, 15, 1705-15	5.8	141
63	Nucleostemin: a multiplex regulator of cell-cycle progression. *Trends in Cell Biology*, **2008**, 18, 575-9	18.3	46
62	As functional nuclear actin comes into view, is it globular, filamentous, or both?. *Journal of Cell Biology*, **2008**, 180, 1061-4	7.3	79
61	Turning a PAGE: the overnight sensation of SDS-polyacrylamide gel electrophoresis. *FASEB Journal*, **2008**, 22, 949-53	0.9	15
60	Nucleophosmin is a binding partner of nucleostemin in human osteosarcoma cells. *Molecular Biology of the Cell*, **2008**, 19, 2870-5	3.5	22
59	Counterpoint: Statistical analysis in NIH peer review--identifying innovation. *FASEB Journal*, **2007**, 21, 309-10; discussion 311	0.9	
58	Ribosomal protein mutations in Diamond-Blackfan anemia: might they operate upstream from protein synthesis?. *FASEB Journal*, **2007**, 21, 3442-5	0.9	12
57	Depletion of the nucleolar protein nucleostemin causes G1 cell cycle arrest via the p53 pathway. *Molecular Biology of the Cell*, **2007**, 18, 2630-5	3.5	93
56	MicroRNA-206 colocalizes with ribosome-rich regions in both the nucleolus and cytoplasm of rat myogenic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18957-62	11.5	127
55	Rapid, diffusional shuttling of poly(A) RNA between nuclear speckles and the nucleoplasm. *Molecular Biology of the Cell*, **2006**, 17, 1239-49	3.5	74
54	Reflections on the prize of prizes: Alfred Nobel. *FASEB Journal*, **2006**, 20, 2186-9	0.9	2
53	Author, author burning bright; author, author are you right?. *FASEB Journal*, **2006**, 20, 600	0.9	
52	New surprises in genetic coding and how an ingenious experiment was almost scooped, by evolution. *FASEB Journal*, **2006**, 20, 1759-60	0.9	1

51	The sea urchin's siren. *Developmental Biology*, **2006**, 300, 9-14	3.1	15
50	Photoactivation-based labeling and in vivo tracking of RNA molecules in the nucleus. *Cold Spring Harbor Protocols*, **2006**, 2006,	1.2	2
49	50 years ago protein synthesis met molecular biology: the discoveries of amino acid activation and transfer RNA. *FASEB Journal*, **2005**, 19, 1583-4	0.9	5
48	A nonribosomal landscape in the nucleolus revealed by the stem cell protein nucleostemin. *Molecular Biology of the Cell*, **2005**, 16, 3401-10	3.5	72
47	Nuclear actin extends, with no contraction in sight. *Molecular Biology of the Cell*, **2005**, 16, 5055-60	3.5	116
46	Signal recognition particle assembly in relation to the function of amplified nucleoli of Xenopus oocytes. *Journal of Cell Science*, **2005**, 118, 1299-307	5.3	27
45	RNA interference and mRNA silencing, 2004: how far will they reach?. *Molecular Biology of the Cell*, **2004**, 15, 407-10	3.5	11
44	Can telomerase be put in its place?. *Journal of Cell Biology*, **2004**, 164, 637-9	7.3	7
43	The spatial organization of the genome in mammalian cells. *Current Opinion in Genetics and Development*, **2004**, 14, 203-9	4.9	40
42	Nuclear export of signal recognition particle RNA in mammalian cells. *Biochemical and Biophysical Research Communications*, **2004**, 313, 351-5	3.4	25
41	Nucleolus, Overview **2004**, 119-122		1
40	Genome function and nuclear architecture: from gene expression to nanoscience. *Genome Research* , **2003**, 13, 1029-41	9.7	56
39	RNA polymerase III transcripts and the PTB protein are essential for the integrity of the perinucleolar compartment. *Molecular Biology of the Cell*, **2003**, 14, 2425-35	3.5	54
38	Historical review: an energy reservoir for mitosis, and its productive wake. *Trends in Biochemical Sciences*, **2003**, 28, 125-9	10.3	16
37	Diffusion-based transport of nascent ribosomes in the nucleus. *Molecular Biology of the Cell*, **2003**, 14, 4805-12	3.5	71
36	Nuclear impressionism: how the active genome creates the very canvas on which gene expression is painted. *Journal of Applied Biomedicine*, **2003**, 1, 113-116	0.6	
35	Dynamics and genome-centricity of interchromatin domains in the nucleus. *Nature Cell Biology*, **2002**, 4, E287-91	23.4	26
34	Signal recognition particle RNA localization within the nucleolus differs from the classical sites of ribosome synthesis. *Journal of Cell Biology*, **2002**, 159, 411-8	7.3	52

33	Actin in the nucleus: what form and what for?. *Journal of Structural Biology*, **2002**, 140, 3-9	3.4	164
32	A century of DNA reaches the bedside. *The Pharos of Alpha Omega Alpha-honor Medical Society Alpha Omega Alpha*, **2002**, 65, 27-32		
31	Is the nucleus in need of translation?. *Trends in Cell Biology*, **2001**, 11, 395-7	18.3	10
30	Human cell lines expressing hormone regulated T7 RNA polymerase localized at distinct intranuclear sites. *Gene*, **2001**, 275, 73-81	3.8	5
29	Protein mobility within the nucleus--what are the right moves?. *Cell*, **2001**, 104, 635-8	56.2	87
28	Half a century of "the nuclear matrix". *Molecular Biology of the Cell*, **2000**, 11, 799-805	3.5	257
27	The nucleolus and the four ribonucleoproteins of translation. *Journal of Cell Biology*, **2000**, 148, 1091-5	7.3	106
26	Review: movement of mRNA from transcription site to nuclear pores. *Journal of Structural Biology*, **2000**, 129, 252-7	3.4	50
25	Movement and localization of RNA in the cell nucleus. *FASEB Journal*, **1999**, 13 Suppl 2, S238-42	0.9	21
24	A human U2 RNA mutant stalled in 3Send processing is impaired in nuclear import. *Nucleic Acids Research*, **1999**, 27, 1025-31	20.1	24
23	Movement of nuclear poly(A) RNA throughout the interchromatin space in living cells. *Current Biology*, **1999**, 9, 285-91	6.3	166
22	Thinking about a nuclear matrix. *Journal of Molecular Biology*, **1998**, 277, 147-59	6.5	125
21	Growth factors in the nucleolus?. *Journal of Cell Biology*, **1998**, 143, 279-81	7.3	84
20	A 7-methylguanosine cap commits U3 and U8 small nuclear RNAs to the nucleolar localization pathway. *Nucleic Acids Research*, **1998**, 26, 756-60	20.1	28
19	RNA Traffic and Localization Reported by Fluorescent Molecular Cytochemistry in Living Cells **1997**, 341-359		10
18	A 62,000 molecular weight spliceosome protein crosslinks to the intron polypyrimidine tract. *Nucleic Acids Research*, **1990**, 18, 5995-6001	20.1	29
17	Base-pairing interactions between small nuclear RNAs and nuclear RNA precursors as revealed by psoralen cross-linking in vivo. *Cell*, **1981**, 26, 363-70	56.2	142
16	Sequence complexity of nuclear and messenger RNA in HeLa cells. *Journal of Molecular Biology*, **1980**, 138, 755-78	6.5	36

15	Nucleoprotein organization of inverted repeat DNA transcripts in heterogeneous nuclear RNA-ribonucleoprotein particles from HeLa cells. *Journal of Molecular Biology*, **1978**, 122, 361-78	6.5	45
14	Isolation and characterization of ribonucleoprotein particles containing heterogeneous nuclear RNA. *Methods in Cell Biology*, **1978**, 17, 377-99	1.8	34
13	Isolation and characterization of chromatin from the cellular slime mold, Dictyostelium discoideum. *Biochemistry*, **1977**, 16, 2771-7	3.2	37
12	Comparison of proteins bound to heterogeneous nuclear RNA and messenger RNA in HeLa cells. *Journal of Molecular Biology*, **1975**, 96, 353-65	6.5	121
11	Metabolic stability of messenger ribonucleoprotein in HeLa cells. *Nucleic Acids and Protein Synthesis* , **1975**, 395, 388-91		6
10	Proteins associated with heterogeneous nuclear RNA in eukaryotic cells. *Journal of Molecular Biology*, **1974**, 83, 163-83	6.5	281
9	Chromatin: its isolation from cultured mammalian cells with particular reference to contamination by nuclear ribnucleoprotein particles. *Biochemistry*, **1973**, 12, 2766-73	3.2	149
8	Chromatin structure and the cell division cycle. Actinomycin binding in synchronized HeLa cells. *Journal of Cell Biology*, **1972**, 55, 322-7	7.3	92
7	Relationship between protein synthesis and ribosome assembly in HeLa cells. *Journal of Molecular Biology*, **1971**, 61, 655-68	6.5	50
6	A method for improving synchrony in the G2 phase of the cell cycle. *Journal of Cell Biology*, **1971**, 49, 942-5	7.3	20
5	Macromolecular synthesis in dogfish peripheral blood cells. *Journal of Cell Biology*, **1970**, 45, 183-7	7.3	7
4	RNA synthesis in HeLa cells. Pattern in hypertonic medium and its similarity to synthesis during G2-prophase. *Journal of Cell Biology*, **1970**, 47, 734-44	7.3	30
3	Absence of translational control of histone synthesis during the HeLa cell life cycle. *Journal of Cell Biology*, **1970**, 45, 509-13	7.3	16
2	Comparison of mitotic phenomena and effects induced by hypertonic solutions in HeLa cells. *Journal of Cell Biology*, **1970**, 44, 400-16	7.3	124
1	The plurifunctional nucleolus		1