

# Zoi Lygerou

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

3,652  
citations

201674

27  
h-index

144013

57  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3897  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cdt1 protein is required to license DNA for replication in fission yeast. <i>Nature</i> , 2000, 404, 625-628.	27.8	429
2	Two E3 ubiquitin ligases, SCF-Skp2 and DDB1-Cul4, target human Cdt1 for proteolysis. <i>EMBO Journal</i> , 2006, 25, 1126-1136.	7.8	350
3	The Human Licensing Factor for DNA Replication Cdt1 Accumulates in G1 and Is Destabilized after Initiation of S-phase. <i>Journal of Biological Chemistry</i> , 2001, 276, 44905-44911.	3.4	231
4	Control of DNA replication licensing in a cell cycle. <i>Genes To Cells</i> , 2002, 7, 523-534.	1.2	208
5	Deregulated Overexpression of hCdt1 and hCdc6 Promotes Malignant Behavior. <i>Cancer Research</i> , 2007, 67, 10899-10909.	0.9	191
6	Overexpression of the Replication Licensing Regulators hCdt1 and hCdc6 Characterizes a Subset of Non-Small-Cell Lung Carcinomas. <i>American Journal of Pathology</i> , 2004, 165, 1351-1365.	3.8	160
7	easyFRAP: an interactive, easy-to-use tool for qualitative and quantitative analysis of FRAP data. <i>Bioinformatics</i> , 2012, 28, 1800-1801.	4.1	155
8	EasyFRAP-web: a web-based tool for the analysis of fluorescence recovery after photobleaching data. <i>Nucleic Acids Research</i> , 2018, 46, W467-W472.	14.5	129
9	Proteolysis of DNA Replication Licensing Factor Cdt1 in S-phase Is Performed Independently of Geminin through Its N-terminal Region. <i>Journal of Biological Chemistry</i> , 2004, 279, 30807-30816.	3.4	110
10	Cdt1 and geminin are down-regulated upon cell cycle exit and are over-expressed in cancer-derived cell lines. <i>FEBS Journal</i> , 2004, 271, 3368-3378.	0.2	91
11	Mcidas and GemC1/Lynkeas are key regulators for the generation of multiciliated ependymal cells in the adult neurogenic niche. <i>Development (Cambridge)</i> , 2015, 142, 3661-74.	2.5	91
12	The yeast BDF1 gene encodes a transcription factor involved in the expression of a broad class of genes including snRNAs. <i>Nucleic Acids Research</i> , 1994, 22, 5332-5340.	14.5	81
13	GemC1 controls multiciliogenesis in the airway epithelium. <i>EMBO Reports</i> , 2016, 17, 400-413.	4.5	81
14	Replication Licensing Aberrations, Replication Stress, and Genomic Instability. <i>Trends in Biochemical Sciences</i> , 2019, 44, 752-764.	7.5	81
15	Licensing of DNA replication, cancer, pluripotency and differentiation: An interlinked world?. <i>Seminars in Cell and Developmental Biology</i> , 2014, 30, 174-180.	5.0	75
16	Cdt1 associates dynamically with chromatin throughout G1 and recruits Geminin onto chromatin. <i>EMBO Journal</i> , 2007, 26, 1303-1314.	7.8	69
17	A Novel Genetic Screen for snRNP Assembly Factors in Yeast Identifies a Conserved Protein, Sad1p, Also Required for Pre-mRNA Splicing. <i>Molecular and Cellular Biology</i> , 1999, 19, 2008-2020.	2.3	62
18	Mutational signatures reveal the role of RAD52 in p53-independent p21-driven genomic instability. <i>Genome Biology</i> , 2018, 19, 37.	8.8	60

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19	Control over DNA replication in time and space. FEBS Letters, 2012, 586, 2803-2812.	2.8	56
20	Geminin Regulates Cortical Progenitor Proliferation and Differentiation. Stem Cells, 2011, 29, 1269-1282.	3.2	43
21	Idas, a Novel Phylogenetically Conserved Geminin-related Protein, Binds to Geminin and Is Required for Cell Cycle Progression. Journal of Biological Chemistry, 2011, 286, 23234-23246.	3.4	43
22	License Withheld--Geminin Blocks DNA Replication. Science, 2000, 290, 2271-2273.	12.6	41
23	Dynamic recruitment of licensing factor Cdt1 to sites of DNA damage. Journal of Cell Science, 2011, 124, 422-434.	2.0	39
24	A Custom Ultra-Low-Cost 3D Bioprinter Supports Cell Growth and Differentiation. Frontiers in Bioengineering and Biotechnology, 2020, 8, 580889.	4.1	38
25	Cdt1 Interactions in the Licensing Process: A Model for Dynamic Spatio-temporal Control of Licensing. Cell Cycle, 2007, 6, 1549-1552.	2.6	33
26	Multi-step Loading of Human Minichromosome Maintenance Proteins in Live Human Cells. Journal of Biological Chemistry, 2013, 288, 35852-35867.	3.4	31
27	How a radial glial cell decides to become a multiciliated ependymal cell. Glia, 2017, 65, 1032-1042.	4.9	31
28	Differential Geminin Requirement for Proliferation of Thymocytes and Mature T Cells. Journal of Immunology, 2010, 184, 2432-2441.	0.8	30
29	Geminin ablation <i>in vivo</i> enhances tumorigenesis through increased genomic instability. Journal of Pathology, 2018, 246, 134-140.	4.5	29
30	Geminin deletion increases the number of fetal hematopoietic stem cells by affecting the expression of key transcription factors. Development (Cambridge), 2015, 142, 70-81.	2.5	28
31	CK1 $\beta$ restrains lipin-1 induction, lipid droplet formation and cell proliferation under hypoxia by reducing HIF-1 $\alpha$ /ARNT complex formation. Cellular Signalling, 2015, 27, 1129-1140.	3.6	28
32	Cdt1 Is Differentially Targeted for Degradation by Anticancer Chemotherapeutic Drugs. PLoS ONE, 2012, 7, e34621.	2.5	27
33	GemC1 governs multiciliogenesis through direct interaction and transcriptional regulation of p73. Journal of Cell Science, 2019, 132, .	2.0	27
34	CRL4Cdt2: Coupling Genome Stability to Ubiquitination. Trends in Cell Biology, 2020, 30, 290-302.	7.9	27
35	Geminin Cleavage during Apoptosis by Caspase-3 Alters Its Binding Ability to the SWI/SNF Subunit Brahma. Journal of Biological Chemistry, 2007, 282, 9346-9357.	3.4	24
36	Ribosomal DNA and the nucleolus at the heart of aging. Trends in Biochemical Sciences, 2022, 47, 328-341.	7.5	24

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37	Analysis of Protein Kinetics Using Fluorescence Recovery After Photobleaching (FRAP). <i>Methods in Molecular Biology</i> , 2017, 1563, 243-267.	0.9	23
38	<i>GemC1</i> is a critical switch for neural stem cell generation in the postnatal brain. <i>Glia</i> , 2019, 67, 2360-2373.	4.9	23
39	DNA replication in the fission yeast: robustness in the face of uncertainty. <i>Yeast</i> , 2006, 23, 951-962.	1.7	22
40	The Geminin and Idas Coiled Coils Preferentially Form a Heterodimer That Inhibits Geminin Function in DNA Replication Licensing. <i>Journal of Biological Chemistry</i> , 2013, 288, 31624-31634.	3.4	22
41	Controlling centriole numbers: Geminin family members as master regulators of centriole amplification and multiciliogenesis. <i>Chromosoma</i> , 2018, 127, 151-174.	2.2	21
42	The structure of the GemC1 coiled coil and its interaction with the Geminin family of coiled-coil proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2278-2286.	2.5	21
43	Direct binding of Cdt2 to PCNA is important for targeting the CRL4 <sup>Cdt2</sup> E3 ligase activity to Cdt1. <i>Life Science Alliance</i> , 2018, 1, e201800238.	2.8	18
44	Life without geminin. <i>Cell Cycle</i> , 2010, 9, 3201-3205.	2.6	17
45	Concise Review: Geminin—A Tale of Two Tails: DNA Replication and Transcriptional/Epigenetic Regulation in Stem Cells. <i>Stem Cells</i> , 2017, 35, 299-310.	3.2	17
46	The Licensing Factor Cdt1 Links Cell Cycle Progression to the DNA Damage Response. <i>Anticancer Research</i> , 2020, 40, 2449-2456.	1.1	17
47	Reduced Geminin levels promote cellular senescence. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 10-23.	4.6	15
48	Inference of protein kinetics by stochastic modeling and simulation of fluorescence recovery after photobleaching experiments. <i>Bioinformatics</i> , 2015, 31, 355-362.	4.1	15
49	Fanconi anemia proteins and genome fragility: unraveling replication defects for cancer therapy. <i>Trends in Cancer</i> , 2022, 8, 467-481.	7.4	15
50	Chromatin and Nuclear Architecture: Shaping DNA Replication in 3D. <i>Trends in Genetics</i> , 2020, 36, 967-980.	6.7	14
51	Mcidas and GemC1/Lynkeas specify embryonic radial glial cells. <i>Neurogenesis (Austin, Tex)</i> , 2016, 3, e1172747.	1.5	13
52	Integrin-linked kinase (ILK) regulates KRAS, IPP complex and Ras suppressor-1 (RSU1) promoting lung adenocarcinoma progression and poor survival. <i>Journal of Molecular Histology</i> , 2020, 51, 385-400.	2.2	13
53	Cell Cycle-dependent Subcellular Translocation of the Human DNA Licensing Inhibitor Geminin. <i>Journal of Biological Chemistry</i> , 2013, 288, 23953-23963.	3.4	12
54	Cortical Development and Brain Malformations: Insights From the Differential Regulation of Early Events of DNA Replication. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 29.	3.7	10

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55	Inactivation of Geminin in neural crest cells affects the generation and maintenance of enteric progenitor cells, leading to enteric aganglionosis. <i>Developmental Biology</i> , 2016, 409, 392-405.	2.0	8
56	Expression of Î±-Defensins, CD20+ B-lymphocytes, and Intraepithelial CD3+ T-lymphocytes in the Intestinal Mucosa of Patients with Liver Cirrhosis: Emerging Mediators of Intestinal Barrier Function. <i>Digestive Diseases and Sciences</i> , 2018, 63, 2582-2592.	2.3	8
57	Fine-tuning multiciliated cell differentiation at the post-transcriptional level: contribution of miR-34/449 family members. <i>Biological Reviews</i> , 2021, 96, 2321-2332.	10.4	8
58	Integrin-Linked-Kinase Overexpression Is Implicated in Mechanisms of Genomic Instability in Human Colorectal Cancer. <i>Digestive Diseases and Sciences</i> , 2021, 66, 1510-1523.	2.3	6
59	53BP1-mediated recruitment of RASSF1A to ribosomal DNA breaks promotes local ATM signaling. <i>EMBO Reports</i> , 2022, 23, .	4.5	6
60	Mismatch repair regulates Cdt1 after UV damage. <i>Cell Cycle</i> , 2017, 16, 1143-1144.	2.6	4
61	Ex vivo analysis of DNA repair targeting in extreme rare cutaneous apocrine sweat gland carcinoma. <i>Oncotarget</i> , 2021, 12, 1100-1109.	1.8	4
62	Numerical analysis of FRAP experiments for DNA replication and repair. , 2008, , .		3
63	Whole transcriptome data analysis of mouse embryonic hematopoietic stem and progenitor cells that lack Geminin expression. <i>Data in Brief</i> , 2016, 7, 889-893.	1.0	3
64	3D Reconstitution of the Neural Stem Cell Niche: Connecting the Dots. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 705470.	4.1	3
65	Small Molecule Inhibitor Targeting CDT1/Geminin Protein Complex Promotes DNA Damage and Cell Death in Cancer Cells. <i>Frontiers in Pharmacology</i> , 2022, 13, 860682.	3.5	3
66	Focal adhesion proteins in hepatocellular carcinoma: RSU1 a novel tumour suppressor with prognostic significance. <i>Pathology Research and Practice</i> , 2022, 235, 153950.	2.3	3
67	Geminin Participates in Differentiation Decisions of Adult Neural Stem Cells Transplanted in the Hemiparkinsonian Mouse Brain. <i>Stem Cells and Development</i> , 2017, 26, 1214-1222.	2.1	2
68	Visualizing the dynamics of histone variants in the S-phase nucleus. <i>Genome Biology</i> , 2018, 19, 182.	8.8	2
69	In silico analysis of DNA re-replication across a complete genome reveals cell-to-cell heterogeneity and genome plasticity. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqaa112.	3.2	2
70	In vivo imaging of DNA-bound minichromosome maintenance complex in embryonic mouse cortex. <i>STAR Protocols</i> , 2021, 2, 100234.	1.2	2
71	Intrinsic neural stem cell properties define brain hypersensitivity to genotoxic stress. <i>Stem Cell Reports</i> , 2022, , .	4.8	2
72	DNA Replication. , 2013, , 610-614.		0