Stephen J Elledge

List of Publications by Year in Descending Order

121 papers	24,853 citations	55 h-index	140 g-index
140 ext. papers	29,173 ext. citations	22.1 avg, IF	7 L-index

#	Paper	IF	Citations
121	A GATA4-regulated secretory program suppresses tumors through recruitment of cytotoxic CD8 T cells.. *Nature Communications*, **2022**, 13, 256	17.4	0
120	Gain-of-function genetic screening identifies the antiviral function of TMEM120A via STING activation.. *Nature Communications*, **2022**, 13, 105	17.4	1
119	Longitudinal analysis reveals high prevalence of Epstein-Barr virus associated with multiple sclerosis.. *Science*, **2022**, 375, 296-301	33.3	124
118	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity.. *Cell*, **2022**, 185, 614-629.e21	56.2	7
117	Genetic analysis of cancer drivers reveals cohesin and CTCF as suppressors of PD-L1.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	2
116	Empirical identification and validation of tumor-targeting T cell receptors from circulation using autologous pancreatic tumor organoids **2021**, 9,		4
115	High-resolution epitope mapping by AllerScan reveals relationships between IgE and IgG repertoires during peanut oral immunotherapy. *Cell Reports Medicine*, **2021**, 2, 100410	18	3
114	Integrated loss- and gain-of-function screens define a core network governing human embryonic stem cell behavior. *Genes and Development*, **2021**, 35, 1527-1547	12.6	0
113	Systematic characterization of mutations altering protein degradation in human cancers. *Molecular Cell*, **2021**, 81, 1292-1308.e11	17.6	11
112	ORF10-Cullin-2-ZYG11B complex is not required for SARS-CoV-2 infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
111	Antibody responses to endemic coronaviruses modulate COVID-19 convalescent plasma functionality. *Journal of Clinical Investigation*, **2021**, 131,	15.9	29
110	Coordinate regulation of the senescent state by selective autophagy. *Developmental Cell*, **2021**, 56, 1512-1525.e7	10.2	0
109	Structural basis for antibody inhibition of flavivirus NS1-triggered endothelial dysfunction. *Science*, **2021**, 371, 194-200	33.3	28
108	CARM1 Inhibition Enables Immunotherapy of Resistant Tumors by Dual Action on Tumor Cells and T Cells. *Cancer Discovery*, **2021**, 11, 2050-2071	24.4	14
107	CRISPR-based peptide library display and programmable microarray self-assembly for rapid quantitative protein binding assays. *Molecular Cell*, **2021**, 81, 3650-3658.e5	17.6	3
106	The Protexin complex counters resection on stalled forks to promote homologous recombination and crosslink repair. *Molecular Cell*, **2021**, 81, 4440-4456.e7	17.6	1
105	The adaptive immune system is a major driver of selection for tumor suppressor gene inactivation. *Science*, **2021**, 373, 1327-1335	33.3	18

104	The uncharacterized SANT and BTB domain-containing protein SANBR inhibits class switch recombination. *Journal of Biological Chemistry*, **2021**, 296, 100625	5.4	0
103	High-Throughput Screening of Kawasaki Disease Sera for Antiviral Antibodies. *Journal of Infectious Diseases*, **2020**, 222, 1853-1857	7	3
102	The primary mechanism of cytotoxicity of the chemotherapeutic agent CX-5461 is topoisomerase II poisoning. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 4053-4060	11.5	50
101	A Deregulated HOX Gene Axis Confers an Epigenetic Vulnerability in KRAS-Mutant Lung Cancers. *Cancer Cell*, **2020**, 37, 705-719.e6	24.3	21
100	Antibody responses to endemic coronaviruses modulate COVID-19 convalescent plasma functionality **2020**,		31
99	Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity. *Science*, **2020**, 370,	33.3	289
98	Robust dengue virus infection in bat cells and limited innate immune responses coupled with positive serology from bats in IndoMalaya and Australasia. *Cellular and Molecular Life Sciences*, **2020** , 77, 1607-1622	10.3	7
97	Diversified Application of Barcoded PLATO (PLATO-BC) Platform for Identification of Protein Interactions. *Genomics, Proteomics and Bioinformatics*, **2019**, 17, 319-331	6.5	4
96	Identification of FUBP1 as a Long Tail Cancer Driver and Widespread Regulator of Tumor Suppressor and Oncogene Alternative Splicing. *Cell Reports*, **2019**, 28, 3435-3449.e5	10.6	12
95	MAPK Pathway Suppression Unmasks Latent DNA Repair Defects and Confers a Chemical Synthetic Vulnerability in -, and -Mutant Melanomas. *Cancer Discovery*, **2019**, 9, 526-545	24.4	41
94	Genetic Screens Reveal FEN1 and APEX2 as BRCA2 Synthetic Lethal Targets. *Molecular Cell*, **2019**, 73, 885-899.e6	17.6	80
93	Temporal virus serological profiling of kidney graft recipients using VirScan. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 10899-10904	11.5	11
92	Comprehensive Profiling of HIV Antibody Evolution. *Cell Reports*, **2019**, 27, 1422-1433.e4	10.6	12
91	Sequencer Hacking Unlocks Quantitative Protein Studies. *Molecular Cell*, **2019**, 73, 863-865	17.6	
90	Tissue-specificity in cancer: The rule, not the exception. *Science*, **2019**, 363, 1150-1151	33.3	76
89	T-Scan: A Genome-wide Method for the Systematic Discovery of T Cell Epitopes. *Cell*, **2019**, 178, 1016-1028.e13	36.2	78
88	Natural selection contributed to immunological differences between hunter-gatherers and agriculturalists. *Nature Ecology and Evolution*, **2019**, 3, 1253-1264	12.3	15
87	Interspecies analysis of MYC targets identifies tRNA synthetases as mediators of growth and survival in MYC-overexpressing cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 14614-14619	11.5	10

86	A glycine-specific N-degron pathway mediates the quality control of protein -myristoylation. *Science*, **2019**, 365,	33.3	62
85	Comprehensive viromewide antibody responses by systematic epitope scanning after hematopoietic cell transplantation. *Blood*, **2019**, 134, 503-514	2.2	6
84	Measles virus infection diminishes preexisting antibodies that offer protection from other pathogens. *Science*, **2019**, 366, 599-606	33.3	149
83	Integrated proteogenetic analysis reveals the landscape of a mitochondrial-autophagosome synapse during PARK2-dependent mitophagy. *Science Advances*, **2019**, 5, eaay4624	14.3	34
82	Profound Tissue Specificity in Proliferation Control Underlies Cancer Drivers and Aneuploidy Patterns. *Cell*, **2018**, 173, 499-514.e23	56.2	83
81	Genetic modifiers of the BRD4-NUT dependency of NUT midline carcinoma uncovers a synergism between BETis and CDK4/6is. *Genes and Development*, **2018**, 32, 1188-1200	12.6	27
80	Nudt21 Controls Cell Fate by Connecting Alternative Polyadenylation to Chromatin Signaling. *Cell*, **2018**, 172, 106-120.e21	56.2	55
79	A Druggable Genome Screen Identifies Modifiers of α-Synuclein Levels via a Tiered Cross-Species Validation Approach. *Journal of Neuroscience*, **2018**, 38, 9286-9301	6.6	21
78	The Eukaryotic Proteome Is Shaped by E3 Ubiquitin Ligases Targeting C-Terminal Degrons. *Cell*, **2018**, 173, 1622-1635.e14	56.2	90
77	C-Terminal End-Directed Protein Elimination by CRL2 Ubiquitin Ligases. *Molecular Cell*, **2018**, 70, 602-613.e3	14.5	59
76	Tumor aneuploidy correlates with markers of immune evasion and with reduced response to immunotherapy. *Science*, **2017**, 355,	33.3	609
75	Brief Report: Anti-RNPC-3 Antibodies As a Marker of Cancer-Associated Scleroderma. *Arthritis and Rheumatology*, **2017**, 69, 1306-1312	9.5	38
74	Aneuploidy in Cancer: Seq-ing Answers to Old Questions. *Annual Review of Cancer Biology*, **2017**, 1, 335-354	33.3	36
73	A genetic interaction analysis identifies cancer drivers that modify EGFR dependency. *Genes and Development*, **2017**, 31, 184-196	12.6	42
72	Reply. *Arthritis and Rheumatology*, **2017**, 69, 1915-1916	9.5	
71	Genetic interrogation of replicative senescence uncovers a dual role for USP28 in coordinating the p53 and GATA4 branches of the senescence program. *Genes and Development*, **2017**, 31, 1933-1938	12.6	18
70	Origins of lymphatic and distant metastases in human colorectal cancer. *Science*, **2017**, 357, 55-60	33.3	239
69	Aneuploidy Police Detect Chromosomal Imbalance Triggering Immune Crackdown!. *Trends in Genetics*, **2017**, 33, 662-664	8.5	8

68	A Role for Mitochondrial Translation in Promotion of Viability in K-Ras Mutant Cells. *Cell Reports*, **2017**, 20, 427-438	10.6	45
67	Functional kinomics establishes a critical node of volume-sensitive cation-Cl cotransporter regulation in the mammalian brain. *Scientific Reports*, **2016**, 6, 35986	4.9	27
66	Systematic autoantigen analysis identifies a distinct subtype of scleroderma with coincident cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E7526-E7534	11.5	48
65	A Serial shRNA Screen for Roadblocks to Reprogramming Identifies the Protein Modifier SUMO2. *Stem Cell Reports*, **2016**, 6, 704-716	8	35
64	Identification of S-phase DNA damage-response targets in fission yeast reveals conservation of damage-response networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3676-85	11.5	10
63	Profiling DNA damage-induced phosphorylation in budding yeast reveals diverse signaling networks. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3667-75	11.5	37
62	A gain-of-function senescence bypass screen identifies the homeobox transcription factor DLX2 as a regulator of ATM-p53 signaling. *Genes and Development*, **2016**, 30, 293-306	12.6	18
61	Sources of Error in Mammalian Genetic Screens. *G3: Genes, Genomes, Genetics*, **2016**, 6, 2781-90	3.2	43
60	Functional genomics reveals that tumors with activating phosphoinositide 3-kinase mutations are dependent on accelerated protein turnover. *Genes and Development*, **2016**, 30, 2684-2695	12.6	7
59	How autophagy both activates and inhibits cellular senescence. *Autophagy*, **2016**, 12, 898-9	10.2	113
58	NatB domain-containing CRA-1 antagonizes hydrolase ACER-1 linking acetyl-CoA metabolism to the initiation of recombination during C. elegans meiosis. *PLoS Genetics*, **2015**, 11, e1005029	6	17
57	The DNA damage response induces inflammation and senescence by inhibiting autophagy of GATA4. *Science*, **2015**, 349, aaa5612	33.3	478
56	RFWD3-Dependent Ubiquitination of RPA Regulates Repair at Stalled Replication Forks. *Molecular Cell*, **2015**, 60, 280-93	17.6	68
55	FACT Proteins, SUPT16H and SSRP1, Are Transcriptional Suppressors of HIV-1 and HTLV-1 That Facilitate Viral Latency. *Journal of Biological Chemistry*, **2015**, 290, 27297-27310	5.4	34
54	The DNA Damage Response--Self-awareness for DNA: The 2015 Albert Lasker Basic Medical Research Award. *JAMA - Journal of the American Medical Association*, **2015**, 314, 1111-2	27.4	11
53	Viral immunology. Comprehensive serological profiling of human populations using a synthetic human virome. *Science*, **2015**, 348, aaa0698	33.3	231
52	Quantitative Proteomic Atlas of Ubiquitination and Acetylation in the DNA Damage Response. *Molecular Cell*, **2015**, 59, 867-81	17.6	206
51	Meta- and Orthogonal Integration of Influenza "OMICs" Data Defines a Role for UBR4 in Virus Budding. *Cell Host and Microbe*, **2015**, 18, 723-35	23.4	647

50	A Systematic Analysis of Factors Localized to Damaged Chromatin Reveals PARP-Dependent Recruitment of Transcription Factors. *Cell Reports*, **2015**, 11, 1486-500	10.6	100
49	Homologous-recombination-deficient tumours are dependent on Polθ-mediated repair. *Nature*, **2015**, 518, 258-62	50.4	451
48	Taking the brakes off telomerase. *ELife*, **2015**, 4,	8.9	3
47	Chlamydia trachomatis-induced alterations in the host cell proteome are required for intracellular growth. *Cell Host and Microbe*, **2014**, 15, 113-24	23.4	29
46	RNAi-based functional selection identifies novel cell migration determinants dependent on PI3K and AKT pathways. *Nature Communications*, **2014**, 5, 5217	17.4	19
45	When noise makes music: HIV reactivation with transcriptional noise enhancers. *Genome Medicine*, **2014**, 6, 55	14.4	1
44	Treacher Collins syndrome TCOF1 protein cooperates with NBS1 in the DNA damage response. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18631-6	11.5	64
43	Ontogeny of recognition specificity and functionality for the broadly neutralizing anti-HIV antibody 4E10. *PLoS Pathogens*, **2014**, 10, e1004403	7.6	19
42	Comprehensive identification of host modulators of HIV-1 replication using multiple orthologous RNAi reagents. *Cell Reports*, **2014**, 9, 752-66	10.6	40
41	Discovery of protein interactions using parallel analysis of translated ORFs (PLATO). *Nature Protocols*, **2014**, 9, 90-103	18.8	15
40	DNA repair. Mechanism of DNA interstrand cross-link processing by repair nuclease FAN1. *Science*, **2014**, 346, 1127-30	33.3	46
39	Cumulative haploinsufficiency and triplosensitivity drive aneuploidy patterns and shape the cancer genome. *Cell*, **2013**, 155, 948-62	56.2	478
38	Amphotericin B increases influenza A virus infection by preventing IFITM3-mediated restriction. *Cell Reports*, **2013**, 5, 895-908	10.6	78
37	Protein interaction discovery using parallel analysis of translated ORFs (PLATO). *Nature Biotechnology*, **2013**, 31, 331-334	44.5	43
36	Recurrent hemizygous deletions in cancers may optimize proliferative potential. *Science*, **2012**, 337, 104-9	33.3	148
35	A SUMOylation-dependent transcriptional subprogram is required for Myc-driven tumorigenesis. *Science*, **2012**, 335, 348-53	33.3	315
34	Global identification of modular cullin-RING ligase substrates. *Cell*, **2011**, 147, 459-74	56.2	321
33	Autoantigen discovery with a synthetic human peptidome. *Nature Biotechnology*, **2011**, 29, 535-41	44.5	172

32	The pINDUCER lentiviral toolkit for inducible RNA interference in vitro and in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 3665-70	11.5	435
31	The DNA damage response: making it safe to play with knives. *Molecular Cell*, **2010**, 40, 179-204	17.6	2828
30	Design of 240,000 orthogonal 25mer DNA barcode probes. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2289-94	11.5	101
29	The IFITM proteins mediate cellular resistance to influenza A H1N1 virus, West Nile virus, and dengue virus. *Cell*, **2009**, 139, 1243-54	56.2	921
28	FANCI phosphorylation functions as a molecular switch to turn on the Fanconi anemia pathway. *Nature Structural and Molecular Biology*, **2008**, 15, 1138-46	17.6	183
27	Cancer proliferation gene discovery through functional genomics. *Science*, **2008**, 319, 620-4	33.3	323
26	Global protein stability profiling in mammalian cells. *Science*, **2008**, 322, 918-23	33.3	318
25	Identification of SCF ubiquitin ligase substrates by global protein stability profiling. *Science*, **2008**, 322, 923-9	33.3	147
24	Identification of the FANCI protein, a monoubiquitinated FANCD2 paralog required for DNA repair. *Cell*, **2007**, 129, 289-301	56.2	543
23	ATM and ATR substrate analysis reveals extensive protein networks responsive to DNA damage. *Science*, **2007**, 316, 1160-6	33.3	2303
22	Checkpoint signaling and protein degradation. *FASEB Journal*, **2007**, 21, A154	0.9	
21	A role for the deubiquitinating enzyme USP28 in control of the DNA-damage response. *Cell*, **2006**, 126, 529-42	56.2	250
20	Second-generation shRNA libraries covering the mouse and human genomes. *Nature Genetics*, **2005**, 37, 1281-8	36.3	522
19	Transcriptional regulation and function during the human cell cycle. *Nature Genetics*, **2001**, 27, 48-54	36.3	330
18	Mrc1 transduces signals of DNA replication stress to activate Rad53. *Nature Cell Biology*, **2001**, 3, 958-65	23.4	419
17	Phosphorylation-dependent ubiquitination of cyclin E by the SCFFbw7 ubiquitin ligase. *Science*, **2001**, 294, 173-7	33.3	650
16	Mutations in TGIF cause holoprosencephaly and link NODAL signalling to human neural axis determination. *Nature Genetics*, **2000**, 25, 205-8	36.3	337
15	The DNA damage response: putting checkpoints in perspective. *Nature*, **2000**, 408, 433-9	50.4	2610

14	Reconstitution of G1 cyclin ubiquitination with complexes containing SCFGrr1 and Rbx1. *Science*, **1999**, 284, 662-5	33.3	345
13	Requirement of ATM-dependent phosphorylation of brca1 in the DNA damage response to double-strand breaks. *Science*, **1999**, 286, 1162-6	33.3	848
12	Control of the DNA damage checkpoint by chk1 and rad53 protein kinases through distinct mechanisms. *Science*, **1999**, 286, 1166-71	33.3	466
11	Conservation of the Chk1 checkpoint pathway in mammals: linkage of DNA damage to Cdk regulation through Cdc25. *Science*, **1997**, 277, 1497-501	33.3	1096
10	Altered cell differentiation and proliferation in mice lacking p57KIP2 indicates a role in Beckwith-Wiedemann syndrome. *Nature*, **1997**, 387, 151-8	50.4	672
9	Human CPR (cell cycle progression restoration) genes impart a Far- phenotype on yeast cells. *Genetics*, **1997**, 147, 1063-76	4	60
8	PAT1, an evolutionarily conserved acetyltransferase homologue, is required for multiple steps in the cell cycle. *Genes To Cells*, **1996**, 1, 923-42	2.3	20
7	Cyclin D2 is an FSH-responsive gene involved in gonadal cell proliferation and oncogenesis. *Nature*, **1996**, 384, 470-4	50.4	611
6	Stopped for repairs. *BioEssays*, **1995**, 17, 545-8	4.1	68
5	A family of vectors that facilitate transposon and insertional mutagenesis of cloned genes in yeast. *Yeast*, **1994**, 10, 1267-72	3.4	32
4	Troponin T is capable of binding dystrophin via a leucine zipper. *FEBS Letters*, **1994**, 354, 183-6	3.8	13
3	Cloning of the complete coding region for human protein phosphatase inhibitor 2 using the two hybrid system and expression of inhibitor 2 in E. coli. *FEBS Letters*, **1994**, 340, 93-8	3.8	32
2	DNA damage and cell cycle regulation of ribonucleotide reductase. *BioEssays*, **1993**, 15, 333-9	4.1	205
1	2.5 Million Person-Years of Life Have Been Lost Due to COVID-19 in the United States		5