

Alexander Hoffmann

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141
papers

11,689
citations

54
h-index

107
g-index

156
ext. papers

13,367
ext. citations

13.2
avg, IF

6.43
L-index

#	Paper	IF	Citations
141	The IkappaB-NF-kappaB signaling module: temporal control and selective gene activation. <i>Science</i> , 2002 , 298, 1241-5	32.2	1453
140	Circuitry of nuclear factor kappaB signaling. <i>Immunological Reviews</i> , 2006 , 210, 171-86	11	715
139	Molecular determinants of crosstalk between nuclear receptors and toll-like receptors. <i>Cell</i> , 2005 , 122, 707-21	54.5	544
138	A unifying model for the selective regulation of inducible transcription by CpG islands and nucleosome remodeling. <i>Cell</i> , 2009 , 138, 114-28	54.5	456
137	Signaling via the NFB system. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016 , 8, 227-41	6.2	410
136	Stimulus specificity of gene expression programs determined by temporal control of IKK activity. <i>Science</i> , 2005 , 309, 1857-61	32.2	407
135	Differential activation and antagonistic function of HIF- α isoforms in macrophages are essential for NO homeostasis. <i>Genes and Development</i> , 2010 , 24, 491-501	12.1	394
134	One nucleotide in a kappaB site can determine cofactor specificity for NF-kappaB dimers. <i>Cell</i> , 2004 , 118, 453-64	54.5	341
133	A fourth IkappaB protein within the NF-kappaB signaling module. <i>Cell</i> , 2007 , 128, 369-81	54.5	315
132	A single NFB system for both canonical and non-canonical signaling. <i>Cell Research</i> , 2011 , 21, 86-102	24	306
131	CK2 Is a C-Terminal IkappaB Kinase Responsible for NF-kappaB Activation during the UV Response. <i>Molecular Cell</i> , 2003 , 12, 829-39	17	282
130	Genetic analysis of NF-kappaB/Rel transcription factors defines functional specificities. <i>EMBO Journal</i> , 2003 , 22, 5530-9	12.6	280
129	Systems biology. Accurate information transmission through dynamic biochemical signaling networks. <i>Science</i> , 2014 , 346, 1370-3	32.2	225
128	ER stress activates NF- κ B by integrating functions of basal IKK activity, IRE1 and PERK. <i>PLoS ONE</i> , 2012 , 7, e45078	3.6	210
127	Cross-talk between aryl hydrocarbon receptor and the inflammatory response: a role for nuclear factor- κ B. <i>Journal of Biological Chemistry</i> , 2014 , 289, 1866-75	5	173
126	IkappaBepsilon provides negative feedback to control NF-kappaB oscillations, signaling dynamics, and inflammatory gene expression. <i>Journal of Cell Biology</i> , 2006 , 173, 659-64	7.1	160
125	Exhaustion-associated regulatory regions in CD8 tumor-infiltrating T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2776-E2785	11.1	157

124	Encoding NF-kappaB temporal control in response to TNF: distinct roles for the negative regulators I-kappaBalpha and A20. <i>Genes and Development</i> , 2008 , 22, 2093-101	12.1	156
123	Nucleosome remodeling at the IL-12 p40 promoter is a TLR-dependent, Rel-independent event. <i>Nature Immunology</i> , 2001 , 2, 51-7	18.5	146
122	Fbxw7 and GSK3-mediated degradation of p100 is a pro-survival mechanism in multiple myeloma. <i>Nature Cell Biology</i> , 2012 , 14, 375-85	22.7	137
121	I-kappaBbeta acts to inhibit and activate gene expression during the inflammatory response. <i>Nature</i> , 2010 , 466, 1115-9	47.5	135
120	Crosstalk via the NF-kappaB signaling system. <i>Cytokine and Growth Factor Reviews</i> , 2008 , 19, 187-97	17.5	134
119	Control of RelB during dendritic cell activation integrates canonical and noncanonical NF-B pathways. <i>Nature Immunology</i> , 2012 , 13, 1162-70	18.5	131
118	Nuclear localization of I-kappaB alpha is mediated by the second ankyrin repeat: the I-kappaB alpha ankyrin repeats define a novel class of cis-acting nuclear import sequences. <i>Molecular and Cellular Biology</i> , 1998 , 18, 2524-34	4.6	130
117	NF-kappaB dictates the degradation pathway of I-kappaBalpha. <i>EMBO Journal</i> , 2008 , 27, 1357-67	12.6	130
116	Understanding NF-kappaB signaling via mathematical modeling. <i>Molecular Systems Biology</i> , 2008 , 4, 192	11.8	124
115	Understanding the temporal codes of intra-cellular signals. <i>Current Opinion in Genetics and Development</i> , 2010 , 20, 684-93	4.7	124
114	A homeostatic model of I-kappaB metabolism to control constitutive NF-kappaB activity. <i>Molecular Systems Biology</i> , 2007 , 3, 111	11.8	110
113	Mechanisms establishing TLR4-responsive activation states of inflammatory response genes. <i>PLoS Genetics</i> , 2011 , 7, e1002401	5.7	109
112	Unique CD40-mediated biological program in B cell activation requires both type 1 and type 2 NF-kappaB activation pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8108-13	11.1	106
111	The dynamics of signaling as a pharmacological target. <i>Cell</i> , 2013 , 155, 448-61	54.5	106
110	Generation and activation of multiple dimeric transcription factors within the NF-kappaB signaling system. <i>Molecular and Cellular Biology</i> , 2008 , 28, 3139-50	4.6	103
109	Transient I-kappaB kinase activity mediates temporal NF-kappaB dynamics in response to a wide range of tumor necrosis factor-alpha doses. <i>Journal of Biological Chemistry</i> , 2006 , 281, 2945-50	5	101
108	The Nfkb1 and Nfkb2 proteins p105 and p100 function as the core of high-molecular-weight heterogeneous complexes. <i>Molecular Cell</i> , 2009 , 34, 591-602	17	97
107	Cooperation of multiple signaling pathways in CD40-regulated gene expression in B lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1497-502	11.1	95

106	Lessons from mathematically modeling the NF- κ B pathway. <i>Immunological Reviews</i> , 2012 , 246, 221-38	11	99
105	A c-Rel subdomain responsible for enhanced DNA-binding affinity and selective gene activation. <i>Genes and Development</i> , 2005 , 19, 2138-51	12.1	91
104	High-Content Quantification of Single-Cell Immune Dynamics. <i>Cell Reports</i> , 2016 , 15, 411-22	10.3	86
103	Coordination between NF-kappaB family members p50 and p52 is essential for mediating LTbetaR signals in the development and organization of secondary lymphoid tissues. <i>Blood</i> , 2006 , 107, 1048-55	2.1	84
102	Suppression of steady-state, but not stimulus-induced NF-kappaB activity inhibits alphavirus-induced apoptosis. <i>Journal of Cell Biology</i> , 1998 , 141, 1479-87	7.1	84
101	Kinetic control of negative feedback regulators of NF-kappaB/RelA determines their pathogen- and cytokine-receptor signaling specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 9619-24	11.1	83
100	Analysis of the RelA:CBP/p300 interaction reveals its involvement in NF- κ B-driven transcription. <i>PLoS Biology</i> , 2013 , 11, e1001647	9.4	79
99	The regulatory logic of the NF-kappaB signaling system. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010 , 2, a000216	9.8	75
98	The transcriptional specificity of NF- κ B dimers is coded within the κ B DNA response elements. <i>Cell Reports</i> , 2012 , 2, 824-39	10.3	75
97	Positive feedback within a kinase signaling complex functions as a switch mechanism for NF- κ B activation. <i>Science</i> , 2014 , 344, 760-4	32.2	72
96	UV as an amplifier rather than inducer of NF-kappaB activity. <i>Molecular Cell</i> , 2008 , 30, 632-41	17	74
95	Comment on "Oscillations in NF-kappaB signaling control the dynamics of gene expression". <i>Science</i> , 2005 , 308, 52; author reply 52	32.2	72
94	Kinetic enhancement of NF-kappaBxDNA dissociation by IkappaBalpha. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19328-33	11.1	71
93	A structural basis for I κ B kinase 2 activation via oligomerization-dependent trans auto-phosphorylation. <i>PLoS Biology</i> , 2013 , 11, e1001581	9.4	70
92	Distinct single-cell signaling characteristics are conferred by the MyD88 and TRIF pathways during TLR4 activation. <i>Science Signaling</i> , 2015 , 8, ra69	8.5	70
91	NEMO ensures signaling specificity of the pleiotropic IKK β by directing its kinase activity toward I κ B. <i>Molecular Cell</i> , 2012 , 47, 111-21	17	62
90	NF- κ B signaling. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2009 , 1, 107-115	6.2	58
89	The specificity of innate immune responses is enforced by repression of interferon response elements by NF- κ B p50. <i>Science Signaling</i> , 2011 , 4, ra11	8.5	59

88	Network dynamics determine the autocrine and paracrine signaling functions of TNF. <i>Genes and Development</i> , 2014 , 28, 2120-33	12.1	57
87	Stabilization of RelB requires multidomain interactions with p100/p52. <i>Journal of Biological Chemistry</i> , 2008 , 283, 12324-32	5	51
86	Cloning and characterization of human TAF20/15. Multiple interactions suggest a central role in TFIID complex formation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 18194-202	5	48
85	A miR-155-Peli1-c-Rel pathway controls the generation and function of T follicular helper cells. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1901-19	16.2	45
84	The REG1 proteasome forms a regulatory circuit with I κ B α and NF κ B in experimental colitis. <i>Nature Communications</i> , 2016 , 7, 10761	16.9	45
83	Regulation and Function of the Caspase-1 in an Inflammatory Microenvironment. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 2012-2020	1.1	44
82	Insights into the influence of dispersion correction in the theoretical treatment of guanidine-quinoline copper(I) complexes. <i>Journal of Computational Chemistry</i> , 2014 , 35, 1943-50	3.4	42
81	NF- κ B-inducing kinase plays an essential T cell-intrinsic role in graft-versus-host disease and lethal autoimmunity in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4775-86	15.3	41
80	I κ B α is a key regulator of B cell expansion by providing negative feedback on cRel and RelA in a stimulus-specific manner. <i>Journal of Immunology</i> , 2014 , 192, 3121-32	5.2	38
79	Immortalized fibroblasts from NF-kappaB RelA knockout mice show phenotypic heterogeneity and maintain increased sensitivity to tumor necrosis factor alpha after transformation by v-Ras. <i>Oncogene</i> , 2005 , 24, 6574-83	8.9	37
78	Nongenetic origins of cell-to-cell variability in B lymphocyte proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2888-E2897	11.1	34
77	Dual delayed feedback provides sensitivity and robustness to the NF- κ B signaling module. <i>PLoS Computational Biology</i> , 2013 , 9, e1003112	4.8	34
76	Chromatin-bound I κ B α regulates a subset of polycomb target genes in differentiation and cancer. <i>Cancer Cell</i> , 2013 , 24, 151-66	23.1	32
75	A Regulatory Circuit Controlling the Dynamics of NF κ B cRel Transitions B Cells from Proliferation to Plasma Cell Differentiation. <i>Immunity</i> , 2019 , 50, 616-628.e6	31.4	29
74	Early cytokine signatures of ischemia/reperfusion injury in human orthotopic liver transplantation. <i>JCI Insight</i> , 2016 , 1, e89679	9.6	28
73	Nuclear export of the NF- κ B inhibitor I κ B α is required for proper B cell and secondary lymphoid tissue formation. <i>Immunity</i> , 2011 , 34, 188-200	31.4	28
72	Iterative Modeling Reveals Evidence of Sequential Transcriptional Control Mechanisms. <i>Cell Systems</i> , 2017 , 4, 330-343.e5	10.2	28
71	I κ B α enhances the generation of the low-affinity NF κ B/RelA homodimer. <i>Nature Communications</i> , 2015 , 6, 7068	16.9	27

70	A pathway switch directs BAFF signaling to distinct NF- κ B transcription factors in maturing and proliferating B cells. <i>Cell Reports</i> , 2014 , 9, 2098-111	10.3	26
69	Paternal RLIM/Rnf12 is a survival factor for milk-producing alveolar cells. <i>Cell</i> , 2012 , 149, 630-41	54.5	25
68	B-cell survival and development controlled by the coordination of NF- κ B family members RelB and cRel. <i>Blood</i> , 2016 , 127, 1276-86	2.1	25
67	Defective regulation of CXCR2 facilitates neutrophil release from bone marrow causing spontaneous inflammation in severely NF-kappa B-deficient mice. <i>Journal of Immunology</i> , 2010 , 185, 670-8	5.2	24
66	Signaling Crosstalk Mechanisms That May Fine-Tune Pathogen-Responsive NF- κ B. <i>Frontiers in Immunology</i> , 2019 , 10, 433	8.2	23
65	Integrating computational and biochemical studies to explore mechanisms in NF- κ B signaling. <i>Journal of Biological Chemistry</i> , 2009 , 284, 5439-43	5	23
64	How do pleiotropic kinase hubs mediate specific signaling by TNFR superfamily members?. <i>Immunological Reviews</i> , 2011 , 244, 29-43	11	22
63	Anatomy of a negative feedback loop: the case of I κ B. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 0262	4	21
62	Functional importance of stripping in NF- κ B signaling revealed by a stripping-impaired I κ B mutant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1916-1921	11.1	21
61	Limited specificity of IRF3 and ISGF3 in the transcriptional innate-immune response to double-stranded RNA. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 119-28	6.3	20
60	Tunable signal processing through a kinase control cycle: the IKK signaling node. <i>Biophysical Journal</i> , 2013 , 105, 231-41	0.5	20
59	Oscillation dynamics underlie functional switching of NF- κ B for B-cell activation. <i>Npj Systems Biology and Applications</i> , 2016 , 2, 16024	4.7	16
58	MAP kinase p38 β regulates type III interferon (IFN- λ) gene expression in human monocyte-derived dendritic cells in response to RNA stimulation. <i>Journal of Leukocyte Biology</i> , 2015 , 97, 307-20	6.3	18
57	Dissecting the Regulatory Strategies of NF- κ B RelA Target Genes in the Inflammatory Response Reveals Differential Transactivation Logics. <i>Cell Reports</i> , 2020 , 30, 2758-2775.e6	10.3	18
56	NF- κ B dynamics determine the stimulus specificity of epigenomic reprogramming in macrophages. <i>Science</i> , 2021 , 372, 1349-1353	32.2	16
55	An NF- κ B Activity Calculator to Delineate Signaling Crosstalk: Type I and II Interferons Enhance NF- κ B via Distinct Mechanisms. <i>Frontiers in Immunology</i> , 2019 , 10, 1425	8.2	16
54	Understanding the logic of I κ B:NF- κ B regulation in structural terms. <i>Current Topics in Microbiology and Immunology</i> , 2011 , 349, 1-24	3.2	16
53	Gene Regulatory Strategies that Decode the Duration of NF- κ B Dynamics Contribute to LPS- versus TNF-Specific Gene Expression. <i>Cell Systems</i> , 2020 , 10, 169-182.e5	10.2	16

52	A multi-scale approach reveals that NF- κ B cRel enforces a B-cell decision to divide. <i>Molecular Systems Biology</i> , 2015 , 11, 783	11.8	16
51	Sequential conditioning-stimulation reveals distinct gene- and stimulus-specific effects of Type I and II IFN on human macrophage functions. <i>Scientific Reports</i> , 2019 , 9, 5288	4.7	14
50	Addressing the Digital Divide in Contemporary Biology: Lessons from Teaching UNIX. <i>Trends in Biotechnology</i> , 2017 , 35, 901-903	14.8	13
49	Considering the kinetics of mRNA synthesis in the analysis of the genome and epigenome reveals determinants of co-transcriptional splicing. <i>Nucleic Acids Research</i> , 2015 , 43, 699-707	19.4	12
48	NF- κ B potentiates caspase independent hydrogen peroxide induced cell death. <i>PLoS ONE</i> , 2011 , 6, e16815	5.6	12
47	Six distinct NFB signaling codons convey discrete information to distinguish stimuli and enable appropriate macrophage responses. <i>Immunity</i> , 2021 , 54, 916-930.e7	31.4	11
46	Identifying Noise Sources governing cell-to-cell variability. <i>Current Opinion in Systems Biology</i> , 2018 , 8, 39-45	3.1	10
45	Training the 21st Century Immunologist. <i>Trends in Immunology</i> , 2015 , 36, 283-5	14	11
44	A Regulated, Ubiquitin-Independent Degron in IBB. <i>Journal of Molecular Biology</i> , 2015 , 427, 2748-56	6.3	10
43	Polypyrimidine tract-binding protein blocks miRNA-124 biogenesis to enforce its neuronal-specific expression in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11061-E11070	11.1	10
42	FlowMax: A Computational Tool for Maximum Likelihood Deconvolution of CFSE Time Courses. <i>PLoS ONE</i> , 2013 , 8, e67620	3.6	10
41	Identifying determinants of persistent MRSA bacteremia using mathematical modeling. <i>PLoS Computational Biology</i> , 2019 , 15, e1007087	4.8	9
40	Characterizing the relationship between steady state and response using analytical expressions for the steady states of mass action models. <i>PLoS Computational Biology</i> , 2013 , 9, e1002901	4.8	9
39	A protein turnover signaling motif controls the stimulus-sensitivity of stress response pathways. <i>PLoS Computational Biology</i> , 2013 , 9, e1002932	4.8	7
38	Coherent activation of a synthetic mammalian gene network. <i>Systems and Synthetic Biology</i> , 2010 , 4, 15-23		7
37	Immune Response Signaling: Combinatorial and Dynamic Control. <i>Trends in Immunology</i> , 2016 , 37, 570-574		6
36	A multi-scale mathematical modeling framework to investigate anti-viral therapeutic opportunities in targeting HIV-1 accessory proteins. <i>Journal of Theoretical Biology</i> , 2015 , 386, 89-104	2.3	6
35	Epigenetic control: slow and global, nimble and local. <i>Genes and Development</i> , 2008 , 22, 1110-4	12.1	6

34	Melanoma dedifferentiation induced by IFN- γ -epigenetic remodeling in response to anti-PD-1 therapy. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.3	6
33	Identifying the combinatorial control of signal-dependent transcription factors. <i>PLoS Computational Biology</i> , 2021 , 17, e1009095	4.8	6
32	Mathematical modeling identifies potential gene structure determinants of co-transcriptional control of alternative pre-mRNA splicing. <i>Nucleic Acids Research</i> , 2018 , 46, 10598-10607	19.4	5
31	Quantifying information accumulation encoded in the dynamics of biochemical signaling. <i>Nature Communications</i> , 2021 , 12, 1272	16.9	5
30	Studying NF- κ B signaling with mathematical models. <i>Methods in Molecular Biology</i> , 2015 , 1280, 647-61	1.4	5
29	Universal Principled Review: A Community-Driven Method to Improve Peer Review. <i>Cell</i> , 2019 , 179, 1441-1445	14.5	5
28	A framework for modeling the relationship between cellular steady-state and stimulus-responsiveness. <i>Methods in Cell Biology</i> , 2012 , 110, 81-109	1.7	4
27	Stimulus-specific responses in innate immunity: Multilayered regulatory circuits. <i>Immunity</i> , 2021 , 54, 1915-1932	31.4	4
26	A stochastic spatio-temporal (SST) model to study cell-to-cell variability in HIV-1 infection. <i>Journal of Theoretical Biology</i> , 2016 , 395, 87-96	2.3	3
25	Stimulus-specificity in the Responses of Immune Sentinel Cells. <i>Current Opinion in Systems Biology</i> , 2019 , 18, 53-61	3.1	3
24	Ex vivo innate immune cytokine signature of enhanced risk of relapsing brucellosis. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2424	4.6	3
23	NF- κ B responds to absolute differences in cytokine concentrations. <i>Science Signaling</i> , 2021 , 14,	8.5	3
22	"How Do We Do This at a Distance?!" A Descriptive Study of Remote Undergraduate Research Programs during COVID-19.. <i>CBE Life Sciences Education</i> , 2022 , 21, ar1	3.3	2
21	Human DNA methylation signatures differentiate persistent from resolving MRSA bacteremia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.1	1
20	Of elections and cell-death decisions. <i>Molecular Cell</i> , 2009 , 34, 257-8	17	2
19	Identification and physiological significance of temporal NFB signaling codewords deployed by macrophages to classify immune threats		2
18	An incoherent feedforward loop interprets NFB/RelA dynamics to determine TNF-induced necroptosis decisions. <i>Molecular Systems Biology</i> , 2020 , 16, e9677	11.8	2
17	Input dose differentiation by NF- κ B		2

16	Substrate complex competition is a regulatory motif that allows NFB RelA to license but not amplify NFB RelB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10592-10597	11.1	1
15	IBB Nuclear Export Enables 4-1BB-Induced cRel Activation and IL-2 Production to Promote CD8 T Cell Immunity. <i>Journal of Immunology</i> , 2020 , 205, 1540-1553	5.2	1
14	High Dose IFN- Activates GAF to Enhance Expression of ISGF3 Target Genes in MLE12 Epithelial Cells. <i>Frontiers in Immunology</i> , 2021 , 12, 651254	8.2	1
13	Polypyrimidine Tract Binding Protein blocks microRNA-124 biogenesis to enforce its neuronal specific expression		1
12	IBBs required for full transcriptional induction of some NFB-regulated genes in response to TNF in MCF-7 cells. <i>Npj Systems Biology and Applications</i> , 2021 , 7, 42	4.7	1
11	NFB dynamics determine the stimulus-specificity of epigenomic reprogramming in macrophages		1
10	Acute and Chronic Changes in Gene Expression After CMV DNAemia in Kidney Transplant Recipients. <i>Frontiers in Immunology</i> , 2021 , 12, 750659	8.2	0
9	Functional Hallmarks of Healthy Macrophage Responses: Their Regulatory Basis and Disease Relevance.. <i>Annual Review of Immunology</i> , 2022 , 40, 295-321	33.6	0
8	Deriving Quantitative Cell Biological Information from Dye-Dilution Lymphocyte Proliferation Experiments. <i>Methods in Molecular Biology</i> , 2018 , 1707, 81-94	1.4	
7	Signal Processing by the Control Cycle of the IKK Kinase in the NFB Signaling Axis. <i>Biophysical Journal</i> , 2012 , 102, 665a	0.5	
6	The NFkB System Regulates Flt3-Mediated Hematopoiesis. <i>Blood</i> , 2015 , 126, 3592-3592	2.1	
5	A Temporal Code to generate Specificity in Inflammatory Signaling. <i>FASEB Journal</i> , 2008 , 22, 538.2	0.9	
4	Caspase-8 regulates a form of death that is distinct from apoptosis in T cells. <i>FASEB Journal</i> , 2008 , 22, 369-369	0.9	
3	Combinatorial and Temporal Codes within pathogen-responsive Gene Regulatory Networks. <i>FASEB Journal</i> , 2012 , 26, 228.3	0.9	
2	Controlling Cancer Cell Death Types to Optimize Anti-Tumor Immunity. <i>Biomedicines</i> , 2022 , 10, 974	4.6	
1	Bruins-in-Genomics: Evaluation of the impact of a UCLA undergraduate summer program in computational biology on participating students. <i>PLoS ONE</i> , 2022 , 17, e0268861	3.6	