

# Bruce R Conklin

## List of Publications by Citations

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137  
papers

16,461  
citations

62  
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128  
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163  
ext. papers

18,715  
ext. citations

13.6  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
137	Integration of biological networks and gene expression data using Cytoscape. <i>Nature Protocols</i> , <b>2007</b> , 2, 2366-82	18.8	1798
136	GenMAPP, a new tool for viewing and analyzing microarray data on biological pathways. <i>Nature Genetics</i> , <b>2002</b> , 31, 19-20	36.3	814
135	MAPPFinder: using Gene Ontology and GenMAPP to create a global gene-expression profile from microarray data. <i>Genome Biology</i> , <b>2003</b> , 4, R7	18.3	683
134	Hormonal stimulation of adenylyl cyclase through Gi-protein beta gamma subunits. <i>Nature</i> , <b>1992</b> , 356, 159-61	50.4	653
133	Substitution of three amino acids switches receptor specificity of Gq alpha to that of Gi alpha. <i>Nature</i> , <b>1993</b> , 363, 274-6	50.4	618
132	MicroRNA regulation of cell lineages in mouse and human embryonic stem cells. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 219-29	18	507
131	Interfacing silicon nanowires with mammalian cells. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7228-9	16.4	453
130	WikiPathways: pathway editing for the people. <i>PLoS Biology</i> , <b>2008</b> , 6, e184	9.7	420
129	Structural elements of G alpha subunits that interact with G beta gamma, receptors, and effectors. <i>Cell</i> , <b>1993</b> , 73, 631-41	56.2	412
128	CRISPRi-based genome-scale identification of functional long noncoding RNA loci in human cells. <i>Science</i> , <b>2017</b> , 355,	33.3	404
127	WikiPathways: building research communities on biological pathways. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, D1301-7	20.1	402
126	Human iPSC-based cardiac microphysiological system for drug screening applications. <i>Scientific Reports</i> , <b>2015</b> , 5, 8883	4.9	330
125	Engineered human pluripotent-stem-cell-derived intestinal tissues with a functional enteric nervous system. <i>Nature Medicine</i> , <b>2017</b> , 23, 49-59	50.5	313
124	Presenting and exploring biological pathways with PathVisio. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 399	3.6	272
123	CRISPR Interference Efficiently Induces Specific and Reversible Gene Silencing in Human iPSCs. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 541-53	18	271
122	Gz-mediated hormonal inhibition of cyclic AMP accumulation. <i>Science</i> , <b>1992</b> , 255, 339-42	33.3	243
121	Model for long QT syndrome type 2 using human iPSC cells demonstrates arrhythmogenic characteristics in cell culture. <i>DMM Disease Models and Mechanisms</i> , <b>2012</b> , 5, 220-30	4.1	228

120	Canonical Wnt signaling is a positive regulator of mammalian cardiac progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 10894-9	11.5	226
119	Controlling signaling with a specifically designed Gi-coupled receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 352-7	11.5	225
118	AltAnalyze and DomainGraph: analyzing and visualizing exon expression data. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, W755-62	20.1	217
117	GO-Elite: a flexible solution for pathway and ontology over-representation. <i>Bioinformatics</i> , <b>2012</b> , 28, 2209-10	7.2	212
116	GenMAPP 2: new features and resources for pathway analysis. <i>BMC Bioinformatics</i> , <b>2007</b> , 8, 217	3.6	207
115	Chimeric G proteins allow a high-throughput signaling assay of Gi-coupled receptors. <i>Analytical Biochemistry</i> , <b>1999</b> , 270, 242-8	3.1	205
114	Engineering GPCR signaling pathways with RASSLs. <i>Nature Methods</i> , <b>2008</b> , 5, 673-8	21.6	197
113	A public gene trap resource for mouse functional genomics. <i>Nature Genetics</i> , <b>2004</b> , 36, 543-4	36.3	189
112	Identification of a receptor/G-protein contact site critical for signaling specificity and G-protein activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 11642-6	11.5	185
111	Lentiviral vectors and protocols for creation of stable hESC lines for fluorescent tracking and drug resistance selection of cardiomyocytes. <i>PLoS ONE</i> , <b>2009</b> , 4, e5046	3.7	184
110	Unbiased detection of CRISPR off-targets in vivo using DISCOVER-Seq. <i>Science</i> , <b>2019</b> , 364, 286-289	33.3	180
109	Isolation of single-base genome-edited human iPS cells without antibiotic selection. <i>Nature Methods</i> , <b>2014</b> , 11, 291-3	21.6	175
108	Alternative splicing regulates mouse embryonic stem cell pluripotency and differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 10514-9	11.5	172
107	Automated Video-Based Analysis of Contractility and Calcium Flux in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes Cultured over Different Spatial Scales. <i>Tissue Engineering - Part C: Methods</i> , <b>2015</b> , 21, 467-79	2.9	171
106	Astrocytic adenosine receptor A2A and Gs-coupled signaling regulate memory. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 423-34	25.5	165
105	Conditional expression and signaling of a specifically designed Gi-coupled receptor in transgenic mice. <i>Nature Biotechnology</i> , <b>1999</b> , 17, 165-9	44.5	165
104	Constitutive activity of the melanocortin-4 receptor is maintained by its N-terminal domain and plays a role in energy homeostasis in humans. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 1158-1164	15.9	159
103	Time- and exercise-dependent gene regulation in human skeletal muscle. <i>Genome Biology</i> , <b>2003</b> , 4, R61	18.3	156

102	Conditional expression of a Gi-coupled receptor causes ventricular conduction delay and a lethal cardiomyopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 4826-31	11.5	146
101	Miniaturized iPS-Cell-Derived Cardiac Muscles for Physiologically Relevant Drug Response Analyses. <i>Scientific Reports</i> , <b>2016</b> , 6, 24726	4.9	142
100	Stimulation of arachidonic acid release and inhibition of mitogenesis by cloned genes for muscarinic receptor subtypes stably expressed in A9 L cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1988</b> , 85, 8698-702	11.5	132
99	Systematic quantification of HDR and NHEJ reveals effects of locus, nuclease, and cell type on genome-editing. <i>Scientific Reports</i> , <b>2016</b> , 6, 23549	4.9	126
98	The BridgeDb framework: standardized access to gene, protein and metabolite identifier mapping services. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 5	3.6	125
97	Regression approaches for microarray data analysis. <i>Journal of Computational Biology</i> , <b>2003</b> , 10, 961-80	1.7	125
96	Self-organizing human cardiac microchambers mediated by geometric confinement. <i>Nature Communications</i> , <b>2015</b> , 6, 7413	17.4	113
95	The International Gene Trap Consortium Website: a portal to all publicly available gene trap cell lines in mouse. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, D642-8	20.1	111
94	Gene expression patterns define key transcriptional events in cell-cycle regulation by cAMP and protein kinase A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 8561-6	11.5	99
93	Derivation conditions impact X-inactivation status in female human induced pluripotent stem cells. <i>Cell Stem Cell</i> , <b>2012</b> , 11, 91-9	18	94
92	Calcium transients closely reflect prolonged action potentials in iPSC models of inherited cardiac arrhythmia. <i>Stem Cell Reports</i> , <b>2014</b> , 3, 269-81	8	92
91	Molecular basis of receptor/G protein coupling selectivity studied by coexpression of wild type and mutant m2 muscarinic receptors with mutant G alpha(q) subunits. <i>Biochemistry</i> , <b>1997</b> , 36, 1487-95	3.2	92
90	Three-dimensional filamentous human diseased cardiac tissue model. <i>Biomaterials</i> , <b>2014</b> , 35, 1367-77	15.6	90
89	Osteoblast expression of an engineered Gs-coupled receptor dramatically increases bone mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1209-14	11.5	90
88	Mining biological pathways using WikiPathways web services. <i>PLoS ONE</i> , <b>2009</b> , 4, e6447	3.7	89
87	A non-invasive platform for functional characterization of stem-cell-derived cardiomyocytes with applications in cardiotoxicity testing. <i>Stem Cell Reports</i> , <b>2015</b> , 4, 621-31	8	80
86	Gene-trapped mouse embryonic stem cell-derived cardiac myocytes and human genetics implicate AKAP10 in heart rhythm regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 8461-6	11.5	78
85	Constitutive activity of the melanocortin-4 receptor is maintained by its N-terminal domain and plays a role in energy homeostasis in humans. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 1158-64	15.9	78

84	Induced pluripotent stem cells from patients with human fibrodysplasia ossificans progressiva show increased mineralization and cartilage formation. <i>Orphanet Journal of Rare Diseases</i> , <b>2013</b> , 8, 190	4.2	76
83	Generation of spatial-patterned early-developing cardiac organoids using human pluripotent stem cells. <i>Nature Protocols</i> , <b>2018</b> , 13, 723-737	18.8	74
82	Ligand-binding domains of nuclear receptors facilitate tight control of split CRISPR activity. <i>Nature Communications</i> , <b>2016</b> , 7, 12009	17.4	73
81	Alternative splicing in the differentiation of human embryonic stem cells into cardiac precursors. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000553	5	73
80	Synthetic control of mammalian-cell motility by engineering chemotaxis to an orthogonal bioinert chemical signal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 5896-901	11.5	72
79	Development of hydrocephalus in mice expressing the G(i)-coupled GPCR Ro1 RASSL receptor in astrocytes. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 2309-17	6.6	71
78	A robust method to derive functional neural crest cells from human pluripotent stem cells. <i>American Journal of Stem Cells</i> , <b>2013</b> , 2, 119-31	2.4	71
77	Mapping cis-regulatory chromatin contacts in neural cells links neuropsychiatric disorder risk variants to target genes. <i>Nature Genetics</i> , <b>2019</b> , 51, 1252-1262	36.3	68
76	Multi-Imaging Method to Assay the Contractile Mechanical Output of Micropatterned Human iPSC-Derived Cardiac Myocytes. <i>Circulation Research</i> , <b>2017</b> , 120, 1572-1583	15.7	65
75	The N-terminal extension of Galphaq is critical for constraining the selectivity of receptor coupling. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 19107-10	5.4	62
74	Contractile deficits in engineered cardiac microtissues as a result of MYBPC3 deficiency and mechanical overload. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 955-967	19	60
73	SARS-CoV-2 infection of human iPSC-derived cardiac cells reflects cytopathic features in hearts of patients with COVID-19. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	59
72	Molecular mechanisms involved in muscarinic acetylcholine receptor-mediated G protein activation studied by insertion mutagenesis. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 6172-8	5.4	57
71	Obtaining consent for future research with induced pluripotent cells: opportunities and challenges. <i>PLoS Biology</i> , <b>2009</b> , 7, e42	9.7	55
70	Marking embryonic stem cells with a 2A self-cleaving peptide: a NKX2-5 emerald GFP BAC reporter. <i>PLoS ONE</i> , <b>2008</b> , 3, e2532	3.7	52
69	A BAG3 chaperone complex maintains cardiomyocyte function during proteotoxic stress. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	52
68	Identifying genetic networks underlying myometrial transition to labor. <i>Genome Biology</i> , <b>2005</b> , 6, R12	18.3	50
67	Engineering receptors activated solely by synthetic ligands (RASSLs). <i>Trends in Pharmacological Sciences</i> , <b>2001</b> , 22, 414-20	13.2	49

66	Reporter-based isolation of induced pluripotent stem cell- and embryonic stem cell-derived cardiac progenitors reveals limited gene expression variance. <i>Circulation Research</i> , <b>2010</b> , 107, 340-7	15.7	47
65	Generating trunk neural crest from human pluripotent stem cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 19727	4.9	45
64	BMP-SMAD-ID promotes reprogramming to pluripotency by inhibiting p16/INK4A-dependent senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 13057-13062	11.5	44
63	G $\beta$ o-coupled receptor signaling restricts pancreatic $\beta$ cell expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2888-93	11.5	44
62	Gene expression signatures of cAMP/protein kinase A (PKA)-promoted, mitochondrial-dependent apoptosis. Comparative analysis of wild-type and cAMP-deathless S49 lymphoma cells. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 4304-13	5.4	44
61	Finding the right questions: exploratory pathway analysis to enhance biological discovery in large datasets. <i>PLoS Biology</i> , <b>2010</b> , 8, e1000472	9.7	42
60	Modifying ligand-induced and constitutive signaling of the human 5-HT $_4$ receptor. <i>PLoS ONE</i> , <b>2007</b> , 2, e1317	3.7	41
59	SARS-CoV-2 infection of human iPSC-derived cardiac cells predicts novel cytopathic features in hearts of COVID-19 patients <b>2020</b> ,		40
58	Human induced pluripotent stem cell-based microphysiological tissue models of myocardium and liver for drug development. <i>Stem Cell Research and Therapy</i> , <b>2013</b> , 4 Suppl 1, S14	8.3	39
57	Timed inhibition of CDC7 increases CRISPR-Cas9 mediated templated repair. <i>Nature Communications</i> , <b>2020</b> , 11, 2109	17.4	34
56	Dysregulation of locus coeruleus development in congenital central hypoventilation syndrome. <i>Acta Neuropathologica</i> , <b>2015</b> , 130, 171-83	14.3	34
55	mGluR2 acts through inhibitory Galpha subunits to regulate transmission and long-term plasticity at hippocampal mossy fiber-CA3 synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 6380-5	11.5	33
54	Structure-based discovery of NANOG variant with enhanced properties to promote self-renewal and reprogramming of pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 4666-71	11.5	32
53	Cloning mice and men: prohibiting the use of iPS cells for human reproductive cloning. <i>Cell Stem Cell</i> , <b>2010</b> , 6, 16-20	18	32
52	Cardiac transgenesis with the tetracycline transactivator changes myocardial function and gene expression. <i>Physiological Genomics</i> , <b>2005</b> , 22, 118-26	3.6	32
51	The C-terminus of the long AKAP13 isoform (AKAP-Lbc) is critical for development of compensatory cardiac hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 66, 27-40	5.8	27
50	Engineered G protein coupled receptors reveal independent regulation of internalization, desensitization and acute signaling. <i>BMC Biology</i> , <b>2005</b> , 3, 3	7.3	26
49	CRISPR off-target detection with DISCOVER-seq. <i>Nature Protocols</i> , <b>2020</b> , 15, 1775-1799	18.8	26

48	G(i)-coupled GPCR signaling controls the formation and organization of human pluripotent colonies. <i>PLoS ONE</i> , <b>2009</b> , 4, e7780	3.7	24
47	SNPLoGic: an interactive single nucleotide polymorphism selection, annotation, and prioritization system. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, D803-9	20.1	23
46	Gs G protein-coupled receptor signaling in osteoblasts elicits age-dependent effects on bone formation. <i>Journal of Bone and Mineral Research</i> , <b>2010</b> , 25, 584-93	6.3	23
45	AKAP10 (I646V) functional polymorphism predicts heart rate and heart rate variability in apparently healthy, middle-aged European-Americans. <i>Psychophysiology</i> , <b>2009</b> , 46, 466-72	4.1	22
44	Engineering the melanocortin-4 receptor to control G(s) signaling in vivo. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 994, 225-32	6.5	22
43	Detection and Quantification of HDR and NHEJ Induced by Genome Editing at Endogenous Gene Loci Using Droplet Digital PCR. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1768, 349-362	1.4	21
42	Mouse coat colour reconsidered. <i>Nature</i> , <b>1993</b> , 364, 110	50.4	21
41	Phenotype-Based High-Throughput Classification of Long QT Syndrome Subtypes Using Human Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 394-404	8	19
40	Spatiotemporal mosaic self-patterning of pluripotent stem cells using CRISPR interference. <i>ELife</i> , <b>2018</b> , 7,	8.9	19
39	Automated Design of Pluripotent Stem Cell Self-Organization. <i>Cell Systems</i> , <b>2019</b> , 9, 483-495.e10	10.6	19
38	Abnormal contraction caused by expression of G(i)-coupled receptor in transgenic model of dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 280, H1653-9	5.2	18
37	Blockade of receptor-activated G(i) signaling in osteoblasts in vivo leads to site-specific increases in cortical and cancellous bone formation. <i>Journal of Bone and Mineral Research</i> , <b>2011</b> , 26, 822-32	6.3	17
36	Interactions of muscarinic receptors with the heterotrimeric G proteins Gq and G12: transduction of proliferative signals. <i>Journal of Neurochemistry</i> , <b>1997</b> , 68, 525-33	6	17
35	Engineering the melanocortin-4 receptor to control constitutive and ligand-mediated G(S) signaling in vivo. <i>PLoS ONE</i> , <b>2007</b> , 2, e668	3.7	15
34	AlleleAnalyzer: a tool for personalized and allele-specific sgRNA design. <i>Genome Biology</i> , <b>2019</b> , 20, 167	18.3	14
33	Ligand-mediated activation of an engineered gs g protein-coupled receptor in osteoblasts increases trabecular bone formation. <i>Molecular Endocrinology</i> , <b>2010</b> , 24, 621-31		14
32	Loss of Gi G-Protein-Coupled Receptor Signaling in Osteoblasts Accelerates Bone Fracture Healing. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 1896-904	6.3	12
31	Critical Roles of Translation Initiation and RNA Uridylation in Endogenous Retroviral Expression and Neural Differentiation in Pluripotent Stem Cells. <i>Cell Reports</i> , <b>2020</b> , 31, 107715	10.6	12

30	Efficient CRISPR/Cas9-Based Genome Engineering in Human Pluripotent Stem Cells. <i>Current Protocols in Human Genetics</i> , <b>2016</b> , 88, 21.4.1-21.4.23	3.2	12
29	Mineral composition is altered by osteoblast expression of an engineered G(s)-coupled receptor. <i>Calcified Tissue International</i> , <b>2011</b> , 89, 10-20	3.9	11
28	Modeling insertional mutagenesis using gene length and expression in murine embryonic stem cells. <i>PLoS ONE</i> , <b>2007</b> , 2, e617	3.7	11
27	AKAP13 Rho-GEF and PKD-binding domain deficient mice develop normally but have an abnormal response to $\beta$ adrenergic-induced cardiac hypertrophy. <i>PLoS ONE</i> , <b>2013</b> , 8, e62705	3.7	9
26	Constitutive Gs activation using a single-construct tetracycline-inducible expression system in embryonic stem cells and mice. <i>Stem Cell Research and Therapy</i> , <b>2011</b> , 2, 11	8.3	9
25	Carbachol-induced reverse transformation of Chinese hamster ovary cells transfected with and expressing the m5 muscarinic acetylcholine receptor. <i>FEBS Letters</i> , <b>1989</b> , 245, 75-9	3.8	9
24	Maladaptive Contractility of 3D Human Cardiac Microtissues to Mechanical Nonuniformity. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901373	10.1	7
23	MESP1 knock-down in human iPSC attenuates early vascular progenitor cell differentiation after completed primitive streak specification. <i>Developmental Biology</i> , <b>2019</b> , 445, 1-7	3.1	7
22	Using Digital Polymerase Chain Reaction to Detect Single-Nucleotide Substitutions Induced by Genome Editing. <i>Cold Spring Harbor Protocols</i> , <b>2016</b> , 2016,	1.2	6
21	Assessing the osteoblast transcriptome in a model of enhanced bone formation due to constitutive Gs-G protein signaling in osteoblasts. <i>Experimental Cell Research</i> , <b>2015</b> , 333, 289-302	4.2	5
20	Sustained preconditioning induced by cardiac transgenesis with the tetracycline transactivator. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 290, H1103-9	5.2	5
19	Tools for dissecting signaling pathways in vivo: receptors activated solely by synthetic ligands. <i>Methods in Enzymology</i> , <b>2002</b> , 343, 232-48	1.7	5
18	BRD2 inhibition blocks SARS-CoV-2 infection by reducing transcription of the host cell receptor ACE2.. <i>Nature Cell Biology</i> , <b>2022</b> , 24, 24-34	23.4	5
17	BRD2 inhibition blocks SARS-CoV-2 infection in vitro by reducing transcription of the host cell receptor ACE2 <b>2021</b> ,		5
16	Structure of a novel winged-helix like domain from human NFRKB protein. <i>PLoS ONE</i> , <b>2012</b> , 7, e43761	3.7	4
15	Detection of coincident signals by G proteins and adenylyl cyclase. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>1992</b> , 57, 145-8	3.9	4
14	Rapid, precise quantification of large DNA excisions and inversions by ddPCR. <i>Scientific Reports</i> , <b>2020</b> , 10, 14896	4.9	4
13	Bioengineered optogenetic model of human neuromuscular junction. <i>Biomaterials</i> , <b>2021</b> , 276, 121033	15.6	4



12	Quantitatively characterizing drug-induced arrhythmic contractile motions of human stem cell-derived cardiomyocytes. <i>Biotechnology and Bioengineering</i> , <b>2018</b> , 115, 1958-1970	4.9	3
11	Detecting Single-Nucleotide Substitutions Induced by Genome Editing. <i>Cold Spring Harbor Protocols</i> , <b>2016</b> , 2016,	1.2	3
10	Consent: criteria should be drawn up for tissue donors. <i>Nature</i> , <b>2009</b> , 461, 593	50.4	3
9	New tools to build synthetic hormonal pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4777-8	11.5	3
8	Transcription factor overexpression drives reliable differentiation of retinal pigment epithelium from human induced pluripotent stem cells. <i>Stem Cell Research</i> , <b>2021</b> , 53, 102368	1.6	3
7	Transcription factor protein interactomes reveal genetic determinants in heart disease.. <i>Cell</i> , <b>2022</b> ,	56.2	3
6	Investigating Zeta Globin Gene Expression to Develop a Potential Therapy for Alpha Thalassemia Major. <i>Blood</i> , <b>2020</b> , 136, 3-4	2.2	1
5	Gain-of-function cardiomyopathic mutations in RBM20 rewire splicing regulation and re-distribute ribonucleoprotein granules within processing bodies. <i>Nature Communications</i> , <b>2021</b> , 12, 6324	17.4	1
4	Self-Organized Pluripotent Stem Cell Patterning by Automated Design. <i>SSRN Electronic Journal</i> ,	1	1
3	Allele-Specific Gene Editing Rescues Pathology in a Human Model of Charcot-Marie-Tooth Disease Type 2E. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 723023	5.7	1
2	Cardiac Microtissues: Maladaptive Contractility of 3D Human Cardiac Microtissues to Mechanical Nonuniformity (Adv. Healthcare Mater. 8/2020). <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, 2070024	10.1	0
1	Journal club. A geneticist wonders why we need to sleep. <i>Nature</i> , <b>2009</b> , 461, 573	50.4	