

Kim Baumann

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

843
citations

9
h-index

27
g-index

165
ext. papers

952
ext. citations

44.3
avg, IF

4.78
L-index

#	Paper	IF	Citations
138	Mending broken hearts with the help of epigenetic remodellers. <i>Nature Reviews Cardiology</i> , 2021 , 18, 459	14.8	0
137	Editing proteasome synthesis. <i>Nature Reviews Molecular Cell Biology</i> , 2019 , 20, 324-325	48.7	
136	On making bones or fat. <i>Nature Reviews Molecular Cell Biology</i> , 2019 , 20, 264-265	48.7	
135	Guardians of the oocyte methylome. <i>Nature Reviews Molecular Cell Biology</i> , 2019 , 20, 2-3	48.7	1
134	Mitochondria: The needless PINK1. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 76	48.7	5
133	Smooth translation to maintain a healthy skin. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 345	48.7	1
132	Mechanotransduction: Kindling the fate of mesenchymal stem cells. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 278-279	48.7	2
131	Stem cells: Translating hypertranscription in embryonic stem cells. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 209	48.7	1
130	Rejuvenating senolytics. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 543	48.7	7
129	Not so CRISP(R). <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 619	48.7	1
128	A self-made quiescent niche. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 416-417	48.7	
127	Stem cells: Regenerating the skin of a young patient. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 1	48.7	9
126	Lipid droplets from the inside. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 486-487	48.7	3
125	Stem cells: A key to totipotency. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 137	48.7	3
124	Ageing: Is fat a key to longevity?. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 341	48.7	
123	Stem cells: Stem cell-based therapies threatened by the accumulation of p53 mutations. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 403	48.7	1
122	Stress Responses: Membrane-to-nucleus signals modulate plant cold tolerance. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 276-277	48.7	8

121	Protein metabolism: Counteracting toxic protein aggregation. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 214	48.7	
120	Ageing: Forever young. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 70-71	48.7	
119	Genome organization: A vision of 3D chromatin organization. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 532	48.7	5
118	Biotechnology: CRISPR-Cas becoming more human. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 601	64.1	1
117	Genome editing: CRISPR-Cas becoming more human. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 591	48.7	2
116	Stem cells: Colonic organoids for drug testing and colorectal disease modelling. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 467	48.7	5
115	Adult stem cells: Fat cells promote blood regeneration. <i>Nature Reviews Molecular Cell Biology</i> , 2017 , 18, 530-531	48.7	
114	Cellular senescence: Senescence and reprogramming go hand-in-hand. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 18, 4	48.7	3
113	Cell migration: Fascin and 3D nuclear moves. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 608-9	48.7	2
112	Nuclear organization: NUP-tial binding to super-enhancers. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 738-739	48.7	0
111	Development: Eliminating paternal mitochondria. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 464	48.7	3
110	Genome stability: CyclinTon mRNA. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 676-677	48.7	6
109	Stem cells: Engineering an artificial niche for cell quiescence. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 398	48.7	
108	DNA replication: SUMO wrestling to get the timing right. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 134	48.7	
107	Chromosomes: Complex relationships. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 66	48.7	
106	Metabolism: Keeping insulin secretion in check. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 2-3	48.7	0
105	Ageing: The yin and yang of mitochondrial dysfunction. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 331	48.7	4
104	Cell migration: Nuclear envelope ruptures as cells squeeze through tight spaces. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 263	48.7	

103	DNA Replication: Looping smoothens repetitive DNA replication. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 332	48.7	
102	Cell migration: Nuclear envelope ruptures as cells squeeze through tight spaces. <i>Nature Reviews Cancer</i> , 2016 , 16, 272-3	31.3	1
101	Changing the spatial pattern of TFL1 expression reveals its key role in the shoot meristem in controlling Arabidopsis flowering architecture. <i>Journal of Experimental Botany</i> , 2015 , 66, 4769-80	7	33
100	Cell signalling: Limiting the side effects of senescence. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 451	48.7	1
99	Post-translational modifications: Crotonylation versus acetylation. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 265	48.7	13
98	Post-translational modifications: A chromosome's guide to the spindle equator. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 326-7	48.7	
97	Development: Switching off WNT with precision. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 204	48.7	1
96	Cell signalling: How mTORC1 senses leucine. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 699	48.7	1
95	Translation: competition at the ribosome exit site. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 516	48.7	1
94	Autophagy: Mitophagy receptors unravelled. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 580	48.7	7
93	Stem cells: multiple routes to pluripotency. <i>Nature Reviews Genetics</i> , 2015 , 16, 67	30.1	
92	Stem cells: Multiple routes to pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 1	48.7	8
91	Chromatin. Drivers of nuclear organization. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 67	48.7	1
90	Metabolism: Transcriptionally activating brown fat. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 125	48.7	
89	Stem cells. Human primordial germ cells in a dish. <i>Nature Reviews Molecular Cell Biology</i> , 2015 , 16, 68	48.7	
88	Stem cells: Reprogramming with low pH. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 149	48.7	1
87	Gene expression: RNAi as a global transcriptional activator. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 298	48.7	2
86	Post-translational modifications: Lys33-linked ubiquitin in post-Golgi transport. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 365	48.7	4

85	RNA: The (methylation) reader. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 2	48.7	
84	Development: morphogen gradients revisited. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 75	48.7	3
83	DNA damage: Dispersing Golgi. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 153	48.7	3
82	Epigenetics: Enhancers under TET control. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 699	48.7	5
81	Protein quality control: Nuclear membrane proteins in check. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 700	48.7	
80	Stem cells: Insulin-producing β cells in a dish. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 768	48.7	1
79	Cell death: RIPK1 protects epithelial cells. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 629	48.7	
78	Development: Keeping your cell identity. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 296	48.7	1
77	Stem cells. Ovary surface stem cells repair ovulatory wounds. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 497	48.7	1
76	Stem cells: keeping alert. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 428-9	48.7	
75	Stem cells: moving out of the niche. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 79	48.7	5
74	Plant cell biology: auxin signalling: ABP1 finds its pair. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 221	48.7	1
73	Protein metabolism: How the proteasome adapts to stress. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 562-3	48.7	3
72	Nuclear envelope: ATR senses mechanical stress. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 559	48.7	2
71	Development. Mechanical forces linked to organ growth. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 501	48.7	2
70	Cell cycle: Forming healthy attachments. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 4	48.7	1
69	Stem cells: Tailored splicing patterns. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 464	48.7	1
68	Development: heads or tails. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 543	48.7	

67	Cell cycle: Getting to the centre. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 545	48.7	
66	Gene expression: RNA granules: the clock within. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 688	48.7	1
65	Stem cells: a WNT switch to ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 752	48.7	2
64	Stem cells: No limits to iPS cells?. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 610	48.7	1
63	Chromosomes: Architectural cohesin. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 607	48.7	1
62	Stem cells: A metabolic switch. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 64-5	48.7	9
61	Chromosomes: getting the architecture right. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 2-3	48.7	1
60	Development: growing a blood vessel network. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 127	48.7	6
59	Plant cell biology: mobile miRNAs for stem cell maintenance. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 128	48.7	5
58	Stem cells: Intestinal stem cell reserves. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 193	48.7	1
57	Stem cells: TFIID promotes pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 264	48.7	1
56	DNA replication: quality and quantity. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 266	48.7	1
55	Development: resizing the guts. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 4	48.7	
54	Stem cells: a gated exit from pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 324	48.7	2
53	Cell cycle: Centralspindlin--the missing link. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 68	48.7	
52	Post-translational modifications: Breaking linear chains. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 402-3	48.7	
51	Cell adhesion: Extracellular bonds. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 404	48.7	8
50	Plant cell biology: the roots of quiescence. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 754	48.7	1

49	Cell cycle: Cyclin A corrections. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 692	48.7	1
48	Cell cycle: Order in the pericentriolar material. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 749	48.7	3
47	Gene expression: A longer TailToF repression. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 408	48.7	
46	Chromatin: a matter of inheritance. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 750	48.7	
45	Holding tight onto the niche. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 278	48.7	1
44	Cell cycle: Maintaining centrosome copy number. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 542	48.7	2
43	Stem cells: An ageing decline. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 681	48.7	2
42	Cell cycle: clathrin helps centrosomes come of age. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 606	48.7	
41	Stop refilling (Ca(2+) stores). <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 277	48.7	0
40	Cell death: multitasking p53 promotes necrosis. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 480-1	48.7	22
39	Switching to 3D. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 338	48.7	2
38	Small RNAs: transmitting silence through generations. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 477	48.7	2
37	Sequestration at the IPOD stops division. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 338	48.7	3
36	Keeping centromeric identity. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 340	48.7	2
35	Small RNAs: Protecting a healthy circulation. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 136	48.7	1
34	Technologies: Seeing ubiquitin chains. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 540	48.7	
33	Development: A gradual transition. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 542	48.7	
32	Cell adhesion: FAK or talin: who goes first?. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 138	48.7	7

31	Making fat. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 62-3	48.7	
30	Cell cycle: Finding space in the APC/C. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 210-1	48.7	1
29	Development: Knowing left from right. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 682-3	48.7	
28	Stem cells: hierarchy in the population. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 605	48.7	
27	Self-help in the niche. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 61	48.7	1
26	Stem cells. Stem cells follow the clock. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 13, 4-5	48.7	
25	Microscopy. Easing access to the nanoscale. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 13, 6	48.7	
24	Cell cycle: the division belt. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 622	48.7	1
23	Organelle dynamics: Inheritance for pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 690-14	48.7	2
22	Ageing: a midlife crisis for sirtuins. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 688	48.7	1
21	Stem cells: having the guts to grow. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 768	48.7	
20	Plant cell biology: sensing oxygen. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 770	48.7	1
19	Stem cells: Holding onto the memories. <i>Nature Reviews Genetics</i> , 2010 , 11, 593	30.1	2
18	Signalling: ABA $\bar{\tau}$ greatest hits. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 2	48.7	4
17	Development: Tension at the borders. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 4	48.7	
16	Development: going with the flow. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 313	48.7	1
15	Organelle dynamics: Fusing for stability. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 391	48.7	6
14	Cell cycle: Activities of a mitotic master. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 389	48.7	4

13	Reprogramming: Remodelling for pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 540-1	48.7	1
12	Stem cells: holding on to the memories. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 601	48.7	3
11	Achieving pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 677	48.7	1
10	Environment dictates behaviour. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 679	48.7	2
9	Protein degradation: time for trimming. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 754-5	48.7	2
8	Stem cells: dividing with symmetry. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 752	48.7	4
7	Plant cell biology: To die for. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 815	48.7	
6	DNA replication: Cohesin on the fork. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 814	48.7	
5	Induction of phenotypic variation by activation of genes harbouring a maize Spm element in their promoter regions using a TnpA-VP16 fusion protein. <i>Plant Journal</i> , 2008 , 53, 587-94	6.9	1
4	Control of cell and petal morphogenesis by R2R3 MYB transcription factors. <i>Development (Cambridge)</i> , 2007 , 134, 1691-701	6.6	181
3	The mechanics of cell fate determination in petals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002 , 357, 809-13	5.8	60
2	Shaping in plant cells. <i>Current Opinion in Plant Biology</i> , 2001 , 4, 540-9	9.9	109
1	The DNA binding site of the Dof protein NtBBF1 is essential for tissue-specific and auxin-regulated expression of the rolB oncogene in plants. <i>Plant Cell</i> , 1999 , 11, 323-34	11.6	172