

# Kim Baumann

## List of Publications by Citations

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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	Control of cell and petal morphogenesis by R2R3 MYB transcription factors. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 1691-701	6.6	181
137	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> , <b>1999</b> , 11, 323-34	11.6	172
136	Shaping in plant cells. <i>Current Opinion in Plant Biology</i> , <b>2001</b> , 4, 540-9	9.9	109
135	The mechanics of cell fate determination in petals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2002</b> , 357, 809-13	5.8	60
134	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> , <b>2015</b> , 66, 4769-80	7	33
133	Cell death: multitasking p53 promotes necrosis. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 480-1	48.7	22
132	Post-translational modifications: Crotonylation versus acetylation. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 265	48.7	13
131	Stem cells: A metabolic switch. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 64-5	48.7	9
130	Stem cells: Regenerating the skin of a young patient. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 1	48.7	9
129	Stress Responses: Membrane-to-nucleus signals modulate plant cold tolerance. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 276-277	48.7	8
128	Stem cells: Multiple routes to pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 1	48.7	8
127	Cell adhesion: Extracellular bonds. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 404	48.7	8
126	Autophagy: Mitophagy receptors unravelled. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 580	48.7	7
125	Rejuvenating senolytics. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 543	48.7	7
124	Cell adhesion: FAK or talin: who goes first?. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 138	48.7	7
123	Genome stability: CyclinTon mRNA. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 676-677	48.7	6
122	Development: growing a blood vessel network. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 127	48.7	6

121	Organelle dynamics: Fusing for stability. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 391	48.7	6
120	Mitochondria: The needless PINK1. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 76	48.7	5
119	Epigenetics: Enhancers under TET control. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 699	48.7	5
118	Stem cells: moving out of the niche. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 79	48.7	5
117	Plant cell biology: mobile miRNAs for stem cell maintenance. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 128	48.7	5
116	Genome organization: A vision of 3D chromatin organization. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 532	48.7	5
115	Stem cells: Colonic organoids for drug testing and colorectal disease modelling. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 467	48.7	5
114	Post-translational modifications: Lys33-linked ubiquitin in post-Golgi transport. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 365	48.7	4
113	Signalling: ABA $\bar{\tau}$ greatest hits. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 2	48.7	4
112	Cell cycle: Activities of a mitotic master. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 389	48.7	4
111	Stem cells: dividing with symmetry. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 752	48.7	4
110	Ageing: The yin and yang of mitochondrial dysfunction. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 331	48.7	4
109	Stem cells: A key to totipotency. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 137	48.7	3
108	Cellular senescence: Senescence and reprogramming go hand-in-hand. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 18, 4	48.7	3
107	Development: Eliminating paternal mitochondria. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 464	48.7	3
106	Development: morphogen gradients revisited. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 75	48.7	3
105	DNA damage: Dispersing Golgi. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 153	48.7	3
104	Protein metabolism: How the proteasome adapts to stress. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 562-3	48.7	3

103	Cell cycle: Order in the pericentriolar material. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 749	48.7	3
102	Sequestration at the IPOD stops division. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 338	48.7	3
101	Stem cells: holding on to the memories. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 601	48.7	3
100	Lipid droplets from the inside. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 486-487	48.7	3
99	Mechanotransduction: KindlinThe fate of mesenchymal stem cells. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 278-279	48.7	2
98	Cell migration: Fascin and 3D nuclear moves. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 608-9	48.7	2
97	Gene expression: RNAi as a global transcriptional activator. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 298	48.7	2
96	Nuclear envelope: ATR senses mechanical stress. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 559	48.7	2
95	Development. Mechanical forces linked to organ growth. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 501	48.7	2
94	Stem cells: a WNT switch to ageing. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 752	48.7	2
93	Genome editing: CRISPR-Cas becoming more human. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 591	48.7	2
92	Cell cycle: Maintaining centrosome copy number. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 542	48.7	2
91	Stem cells: An ageing decline. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 681	48.7	2
90	Switching to 3D. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 338	48.7	2
89	Small RNAs: transmitting silence through generations. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 477	48.7	2
88	Stem cells: a gated exit from pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 324	48.7	2
87	Organelle dynamics: Inheritance for pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , <b>2011</b> , 12, 690-148.7	48.7	2
86	Stem cells: Holding onto the memories. <i>Nature Reviews Genetics</i> , <b>2010</b> , 11, 593	30.1	2

85	Environment dictates behaviour. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 679	48.7	2
84	Protein degradation: time for trimming. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 754-5	48.7	2
83	Keeping centromeric identity. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 340	48.7	2
82	Stem cells: Stem cell-based therapies threatened by the accumulation of p53 mutations. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 403	48.7	1
81	Cell signalling: Limiting the side effects of senescence. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 451	48.7	1
80	Development: Switching off WNT with precision. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 204	48.7	1
79	Cell signalling: How mTORC1 senses leucine. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 699	48.7	1
78	Translation: competition at the ribosome exit site. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 516	48.7	1
77	Smooth translation to maintain a healthy skin. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 345	48.7	1
76	Stem cells: Translating hypertranscription in embryonic stem cells. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 209	48.7	1
75	Not so CRISP(R). <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 619	48.7	1
74	Stem cells: Reprogramming with low pH. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 149	48.7	1
73	Stem cells: Insulin-producing $\beta$ cells in a dish. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 768	48.7	1
72	Development: Keeping your cell identity. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 296	48.7	1
71	Stem cells. Ovary surface stem cells repair ovulatory wounds. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 497	48.7	1
70	Plant cell biology: auxin signalling: ABP1 finds its pair. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 221	48.7	1
69	Stem cells: Tailored splicing patterns. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 464	48.7	1
68	Gene expression: RNA granules: the clock within. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 688	48.7	1

67	Stem cells: No limits to iPS cells?. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 610	48.7	1
66	Chromosomes: Architectural cohesin. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 607	48.7	1
65	Chromosomes: getting the architecture right. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 2-3	48.7	1
64	Stem cells: Intestinal stem cell reserves. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 193	48.7	1
63	Biotechnology: CRISPR-Cas becoming more human. <i>Nature Reviews Drug Discovery</i> , <b>2017</b> , 16, 601	64.1	1
62	Chromatin. Drivers of nuclear organization. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 67	48.7	1
61	Cell cycle: Forming healthy attachments. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 4	48.7	1
60	Holding tight onto the niche. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 278	48.7	1
59	Stem cells: TFIID promotes pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 264	48.7	1
58	DNA replication: quality and quantity. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 266	48.7	1
57	Plant cell biology: the roots of quiescence. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 754	48.7	1
56	Cell cycle: Cyclin A corrections. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 692	48.7	1
55	Cell cycle: the division belt. <i>Nature Reviews Molecular Cell Biology</i> , <b>2011</b> , 12, 622	48.7	1
54	Ageing: a midlife crisis for sirtuins. <i>Nature Reviews Molecular Cell Biology</i> , <b>2011</b> , 12, 688	48.7	1
53	Plant cell biology: sensing oxygen. <i>Nature Reviews Molecular Cell Biology</i> , <b>2011</b> , 12, 770	48.7	1
52	Development: going with the flow. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 313	48.7	1
51	Reprogramming: Remodelling for pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 540-1	48.7	1
50	Achieving pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 677	48.7	1

49	Small RNAs: Protecting a healthy circulation. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 136	48.7	1
48	Cell cycle: Finding space in the APC/C. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 210-1	48.7	1
47	Self-help in the niche. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 61	48.7	1
46	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> , <b>2008</b> , 53, 587-94	6.9	1
45	Cell migration: Nuclear envelope ruptures as cells squeeze through tight spaces. <i>Nature Reviews Cancer</i> , <b>2016</b> , 16, 272-3	31.3	1
44	Guardians of the oocyte methylome. <i>Nature Reviews Molecular Cell Biology</i> , <b>2019</b> , 20, 2-3	48.7	1
43	Nuclear organization: NUP-tial binding to super-enhancers. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 738-739	48.7	0
42	Metabolism: Keeping insulin secretion in check. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 2-3	48.7	0
41	Stop refilling (Ca(2+) stores). <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 277	48.7	0
40	Mending broken hearts with the help of epigenetic remodellers. <i>Nature Reviews Cardiology</i> , <b>2021</b> , 18, 459	14.8	0
39	Ageing: Is fat a key to longevity?. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 341	48.7	
38	Protein metabolism: Counteracting toxic protein aggregation. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 214	48.7	
37	Ageing: Forever young. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 70-71	48.7	
36	Editing proteasome synthesis. <i>Nature Reviews Molecular Cell Biology</i> , <b>2019</b> , 20, 324-325	48.7	
35	On making bones or fat. <i>Nature Reviews Molecular Cell Biology</i> , <b>2019</b> , 20, 264-265	48.7	
34	Post-translational modifications: A chromosome $\bar{5}$ guide to the spindle equator. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 326-7	48.7	
33	Stem cells: multiple routes to pluripotency. <i>Nature Reviews Genetics</i> , <b>2015</b> , 16, 67	30.1	
32	Stem cells: Engineering an artificial niche for cell quiescence. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 398	48.7	

- 31 DNA replication: SUMO wrestling to get the timing right. *Nature Reviews Molecular Cell Biology*, **2016**, 17, 134 48.7
- 30 Chromosomes: Complex relationships. *Nature Reviews Molecular Cell Biology*, **2016**, 17, 66 48.7
- 29 A self-made quiescent niche. *Nature Reviews Molecular Cell Biology*, **2018**, 19, 416-417 48.7
- 28 RNA: The (methylation) reader. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 2 48.7
- 27 Protein quality control: Nuclear membrane proteins in check. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 700 48.7
- 26 Cell death: RIPK1 protects epithelial cells. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 629 48.7
- 25 Stem cells: keeping alert. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 428-9 48.7
- 24 Development: heads or tails. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 543 48.7
- 23 Cell cycle: Getting to the centre. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 545 48.7
- 22 Metabolism: Transcriptionally activating brown fat. *Nature Reviews Molecular Cell Biology*, **2015**, 16, 125 48.7
- 21 Stem cells. Human primordial germ cells in a dish. *Nature Reviews Molecular Cell Biology*, **2015**, 16, 68 48.7
- 20 Gene expression: A longer TailToF repression. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 408 48.7
- 19 Chromatin: a matter of inheritance. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 750 48.7
- 18 Cell cycle: clathrin helps centrosomes come of age. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 606 48.7
- 17 Stem cells. Stem cells follow the clock. *Nature Reviews Molecular Cell Biology*, **2011**, 13, 4-5 48.7
- 16 Microscopy. Easing access to the nanoscale. *Nature Reviews Molecular Cell Biology*, **2011**, 13, 6 48.7
- 15 Development: resizing the guts. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 4 48.7
- 14 Cell cycle: Centralspindlin--the missing link. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 68 48.7



- 13 Post-translational modifications: Breaking linear chains. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 402-3 48.7
- 12 Stem cells: having the guts to grow. *Nature Reviews Molecular Cell Biology*, **2011**, 12, 768 48.7
- 11 Development: Tension at the borders. *Nature Reviews Molecular Cell Biology*, **2010**, 11, 4 48.7
- 10 Plant cell biology: To die for. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 815 48.7
- 9 DNA replication: Cohesin on the fork. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 814 48.7
- 8 Technologies: Seeing ubiquitin chains. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 540 48.7
- 7 Development: A gradual transition. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 542 48.7
- 6 Making fat. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 62-3 48.7
- 5 Development: Knowing left from right. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 682-3 48.7
- 4 Stem cells: hierarchy in the population. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 605 48.7
- 3 Adult stem cells: Fat cells promote blood regeneration. *Nature Reviews Molecular Cell Biology*, **2017**, 18, 530-531 48.7
- 2 Cell migration: Nuclear envelope ruptures as cells squeeze through tight spaces. *Nature Reviews Molecular Cell Biology*, **2016**, 17, 263 48.7
- 1 DNA Replication: Looping smoothens repetitive DNA replication. *Nature Reviews Molecular Cell Biology*, **2016**, 17, 332 48.7