

Katharine H Wrighton

List of Publications by Year in descending order

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139
papers

1,565
citations

687363
13
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37
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164
all docs

164
docs citations

164
times ranked

2845
citing authors

#	ARTICLE	IF	CITATIONS
1	PPM1A Functions as a Smad Phosphatase to Terminate TGF β 2 Signaling. <i>Cell</i> , 2006, 125, 915-928.	28.9	422
2	Phospho-control of TGF β 2 superfamily signaling. <i>Cell Research</i> , 2009, 19, 8-20.	12.0	316
3	Transforming Growth Factor β 2 Can Stimulate Smad1 Phosphorylation Independently of Bone Morphogenic Protein Receptors. <i>Journal of Biological Chemistry</i> , 2009, 284, 9755-9763.	3.4	115
4	Critical regulation of TGF β 2 signaling by Hsp90. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9244-9249.	7.1	112
5	Small C-terminal Domain Phosphatases Dephosphorylate the Regulatory Linker Regions of Smad2 and Smad3 to Enhance Transforming Growth Factor- β 2 Signaling*. <i>Journal of Biological Chemistry</i> , 2006, 281, 38365-38375.	3.4	90
6	To (TGF) β 2 or not to (TGF) β 2: Fine-tuning of Smad signaling via post-translational modifications. <i>Cellular Signalling</i> , 2008, 20, 1579-1591.	3.6	45
7	YAP and TAZ feel the force. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 404-405.	37.0	28
8	Transforming Growth Factor- β 2-independent Regulation of Myogenesis by SnoN Sumoylation. <i>Journal of Biological Chemistry</i> , 2007, 282, 6517-6524.	3.4	23
9	EMT promotes contact inhibition of locomotion. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 518-518.	37.0	19
10	The 'ins' and 'outs' of integrin signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 753-753.	37.0	15
11	Kinase crosstalk through beclin 1. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 402-403.	37.0	15
12	A New Kid on the TGF β 2 Block: TAZ Controls Smad Nucleocytoplasmic Shuttling. <i>Developmental Cell</i> , 2008, 15, 8-10.	7.0	14
13	Regulation of p27 phosphorylation and G1 cell cycle progression by protein phosphatase PPM1G. <i>American Journal of Cancer Research</i> , 2016, 6, 2207-2220.	1.4	14
14	Mitophagy turns beige adipocytes white. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 607-607.	37.0	12
15	SIRT7, the UPR and HSC ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 266-267.	37.0	11
16	Discovering antibiotics through soil metagenomics. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 241-241.	46.4	10
17	Aberrant p53 alters DNA damage checkpoints in response to cisplatin: Downregulation of CDK expression and activity. <i>International Journal of Cancer</i> , 2004, 112, 760-770.	5.1	9
18	Myosin II moves in on autophagosomes. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 77-77.	37.0	9

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19	TET2 keeps histones sweet. Nature Reviews Molecular Cell Biology, 2013, 14, 64-65.	37.0	9
20	The TRPM7 ion channel modifies histones. Nature Reviews Molecular Cell Biology, 2014, 15, 427-427.	37.0	9
21	A killer puts a stop on necroptosis. Nature Reviews Molecular Cell Biology, 2011, 12, 279-279.	37.0	8
22	Shaping the fate of mitochondria. Nature Reviews Molecular Cell Biology, 2011, 12, 344-345.	37.0	8
23	Ensuring quality at the ribosome. Nature Reviews Molecular Cell Biology, 2013, 14, 1-1.	37.0	8
24	Putting energy into mitophagy. Nature Reviews Molecular Cell Biology, 2013, 14, 325-325.	37.0	8
25	PPM1A Functions as a Smad Phosphatase to Terminate TGF β Signaling. Cell, 2016, 166, 1597.	28.9	8
26	Expanding the reach of Cas9. Nature Reviews Genetics, 2018, 19, 250-251.	16.3	8
27	Role of nuclear PTEN revealed. Nature Reviews Cancer, 2011, 11, 155-155.	28.4	7
28	Crystallizing WNT signalling. Nature Reviews Molecular Cell Biology, 2012, 13, 4-4.	37.0	7
29	Autophagy and ciliogenesis come together. Nature Reviews Molecular Cell Biology, 2013, 14, 687-687.	37.0	7
30	Fatty acids on the move. Nature Reviews Molecular Cell Biology, 2015, 16, 205-205.	37.0	7
31	Probiotic induction of tolerogenic T cells in the gut. Nature Reviews Immunology, 2017, 17, 592-592.	22.7	7
32	JMY: actin up in cell motility. Nature Reviews Molecular Cell Biology, 2009, 10, 304-304.	37.0	6
33	A new FAN of the Fanconi anaemia pathway. Nature Reviews Molecular Cell Biology, 2010, 11, 603-603.	37.0	6
34	Where the mTOR action is. Nature Reviews Molecular Cell Biology, 2013, 14, 191-191.	37.0	6
35	A ligase makes sense of DNA damage. Nature Reviews Molecular Cell Biology, 2014, 15, 76-77.	37.0	6
36	Selecting ER for eating. Nature Reviews Molecular Cell Biology, 2015, 16, 389-389.	37.0	6

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37	The diagnostic power of RNA-seq. Nature Reviews Genetics, 2017, 18, 392-392.	16.3	6
38	The different flavours of iPS cells. Nature Reviews Genetics, 2017, 18, 394-394.	16.3	5
39	Shedding light on alternative promoter selection. Nature Reviews Genetics, 2018, 19, 4-5.	16.3	5
40	Multiplex genome engineering in eukaryotes. Nature Reviews Genetics, 2018, 19, 7-7.	16.3	5
41	USP1 keeps ID proteins stable. Nature Reviews Cancer, 2011, 11, 757-757.	28.4	4
42	PRMT5 restricts ERK activity. Nature Reviews Molecular Cell Biology, 2011, 12, 689-689.	37.0	4
43	AMPK moonlights in mitosis. Nature Reviews Molecular Cell Biology, 2012, 13, 65-65.	37.0	4
44	Ciliary phosphoinositides regulate Hedgehog signalling. Nature Reviews Molecular Cell Biology, 2015, 16, 577-577.	37.0	4
45	Putting R loops firmly on the map. Nature Reviews Genetics, 2018, 19, 5-5.	16.3	4
46	Regulatory networks in AML. Nature Reviews Cancer, 2019, 19, 6-7.	28.4	4
47	Kinase ups and downs. Nature Reviews Molecular Cell Biology, 2010, 11, 464-464.	37.0	3
48	Staying alive without CRTC-1. Nature Reviews Molecular Cell Biology, 2011, 12, 206-207.	37.0	3
49	A new platform for death. Nature Reviews Molecular Cell Biology, 2011, 12, 547-547.	37.0	3
50	Misfolded proteins join the Q. Nature Reviews Molecular Cell Biology, 2013, 14, 608-609.	37.0	3
51	DDX3 in command of CK1 μ . Nature Reviews Molecular Cell Biology, 2013, 14, 192-193.	37.0	3
52	Microtubules protect spindle assembly factors. Nature Reviews Molecular Cell Biology, 2014, 15, 151-151.	37.0	3
53	Chaperonin' telomerase. Nature Reviews Molecular Cell Biology, 2015, 16, 4-4.	37.0	3
54	PPM1A Functions as a Smad Phosphatase to Terminate TGF β ² Signaling. Cell, 2016, 165, 498.	28.9	3

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55	Cytosine base editors go off-target. Nature Reviews Genetics, 2019, 20, 254-255.	16.3	3
56	p53 makes microRNAs mature. Nature Reviews Cancer, 2009, 9, 612-613.	28.4	2
57	Keeping up with the leader. Nature Reviews Molecular Cell Biology, 2010, 11, 5-5.	37.0	2
58	Role of nuclear PTEN revealed. Nature Reviews Molecular Cell Biology, 2011, 12, 134-134.	37.0	2
59	ESCRTing proteins for microautophagy. Nature Reviews Molecular Cell Biology, 2011, 12, 136-137.	37.0	2
60	RhoC invades cofilin's space. Nature Reviews Molecular Cell Biology, 2011, 12, 347-347.	37.0	2
61	USP1 keeps ID proteins stable. Nature Reviews Molecular Cell Biology, 2011, 12, 691-691.	37.0	2
62	mTOR targets its own inhibitor. Nature Reviews Molecular Cell Biology, 2011, 12, 769-769.	37.0	2
63	Inactivating PTP1B upon ER stress. Nature Reviews Molecular Cell Biology, 2012, 13, 62-63.	37.0	2
64	EGF signalling – it's all in SHC1's timing. Nature Reviews Molecular Cell Biology, 2013, 14, 463-463.	37.0	2
65	Tyrosine kinases in extracellular space. Nature Reviews Molecular Cell Biology, 2014, 15, 632-632.	37.0	2
66	Unlocking AP2 activity. Nature Reviews Molecular Cell Biology, 2014, 15, 561-561.	37.0	2
67	Phosphorylation regulates IDP folding. Nature Reviews Molecular Cell Biology, 2015, 16, 66-66.	37.0	2
68	Tagging proteins for the Clp protease. Nature Reviews Microbiology, 2016, 14, 728-728.	28.6	2
69	Non-muscle myosin II in kidney morphogenesis. Nature Reviews Nephrology, 2017, 13, 384-384.	9.6	2
70	How histones go viral. Nature Reviews Microbiology, 2017, 15, 3-3.	28.6	2
71	Bridging the gap for lipopolysaccharides. Nature Reviews Microbiology, 2018, 16, 184-185.	28.6	2
72	Methylation patterns in primordial germ cells. Nature Reviews Molecular Cell Biology, 2018, 19, 278-279.	37.0	2

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73	Desmoid tumours stalled by sorafenib. Nature Reviews Clinical Oncology, 2019, 16, 209-209.	27.6	2
74	Trafficking signals for metastasis. Nature Reviews Cancer, 2019, 19, 127-127.	28.4	2
75	Tracing cell fate. Nature Reviews Molecular Cell Biology, 2019, 20, 454-455.	37.0	2
76	Malassezia restricta plays CARDs in the gut. Nature Reviews Microbiology, 2019, 17, 266-267.	28.6	2
77	A novel vaccine target for malaria. Nature Reviews Drug Discovery, 2020, 19, 386-386.	46.4	2
78	Sensing second messengers. Nature Cell Biology, 2009, 11, S20-S21.	10.3	1
79	From one membrane to another. Nature Reviews Molecular Cell Biology, 2010, 11, 464-464.	37.0	1
80	NRMT organizes methyl transfer. Nature Reviews Molecular Cell Biology, 2010, 11, 605-605.	37.0	1
81	Sensing and controlling protein dynamics. Nature Reviews Molecular Cell Biology, 2010, 11, 681-681.	37.0	1
82	Keeping minus ends stable. Nature Reviews Molecular Cell Biology, 2010, 11, 816-816.	37.0	1
83	Cilia downsize mTORC1. Nature Reviews Molecular Cell Biology, 2010, 11, 821-821.	37.0	1
84	E3 ligases team up. Nature Reviews Molecular Cell Biology, 2011, 12, 6-7.	37.0	1
85	The mechanics of group travel. Nature Reviews Molecular Cell Biology, 2012, 13, 753-753.	37.0	1
86	Stopping mitochondria in their tracks. Nature Reviews Molecular Cell Biology, 2012, 13, 4-5.	37.0	1
87	How monoubiquitylation keeps RAS active. Nature Reviews Molecular Cell Biology, 2013, 14, 66-67.	37.0	1
88	A little bit of stress does you good. Nature Reviews Molecular Cell Biology, 2013, 14, 749-749.	37.0	1
89	Deubiquitylating mitofusin. Nature Reviews Molecular Cell Biology, 2013, 14, 130-131.	37.0	1
90	Fat cadherins regulate mitochondrial function. Nature Reviews Molecular Cell Biology, 2014, 15, 702-702.	37.0	1

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91	YAP and TAZ under metabolic control. Nature Reviews Molecular Cell Biology, 2014, 15, 297-297.	37.0	1
92	Ciliary phosphoinositides regulate Hedgehog signalling. Nature Reviews Molecular Cell Biology, 2015, 16, 641-641.	37.0	1
93	Benefits of blocking fructokinase. Nature Reviews Nephrology, 2017, 13, 192-192.	9.6	1
94	Zooming in on nuclear organization. Nature Reviews Genetics, 2017, 18, 269-269.	16.3	1
95	Making new connections. Nature Reviews Neuroscience, 2018, 19, 253-253.	10.2	1
96	Rules of invasion. Nature Reviews Neuroscience, 2019, 20, 574-575.	10.2	1
97	G-tracts give PRC2 the boot. Nature Reviews Molecular Cell Biology, 2019, 20, 662-662.	37.0	1
98	Growing mouse kidneys in rats. Nature Reviews Nephrology, 2019, 15, 255-255.	9.6	1
99	Personalized DNA methylomics. Nature Reviews Genetics, 2019, 20, 4-5.	16.3	1
100	A novel vaccine target for malaria. Nature Reviews Microbiology, 2020, 18, 361-361.	28.6	1
101	Protecting bee health. Nature Reviews Microbiology, 2020, 18, 192-193.	28.6	1
102	Blocking endocytosis gives therapeutic antibodies a boost. Nature Reviews Drug Discovery, 2020, 19, 237-237.	46.4	1
103	Breaking and exiting. Nature Reviews Molecular Cell Biology, 2009, 10, 303-303.	37.0	0
104	And then there was light. Nature Reviews Molecular Cell Biology, 2009, 10, 814-814.	37.0	0
105	Making new connections. Nature Reviews Genetics, 2010, 11, 387-387.	16.3	0
106	Getting to the heart of the matter. Nature Reviews Molecular Cell Biology, 2010, 11, 312-313.	37.0	0
107	Making new connections. Nature Reviews Molecular Cell Biology, 2010, 11, 386-386.	37.0	0
108	The importance of 'self-eating'. Nature Reviews Molecular Cell Biology, 2010, 11, 681-681.	37.0	0

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109	Cycling through acetylation. Nature Reviews Molecular Cell Biology, 2010, 11, 755-755.	37.0	0
110	Targeting kinases. Nature Reviews Molecular Cell Biology, 2011, 12, 75-75.	37.0	0
111	Recapturing youth. Nature Reviews Molecular Cell Biology, 2011, 12, 467-467.	37.0	0
112	Linking metabolism to apoptotic sensitivity. Nature Reviews Molecular Cell Biology, 2011, 12, 625-625.	37.0	0
113	Autophagy eliminates paternal mitochondria. Nature Reviews Molecular Cell Biology, 2011, 12, 771-771.	37.0	0
114	Atg independence in the midgut. Nature Reviews Molecular Cell Biology, 2013, 14, 547-547.	37.0	0
115	Fuelling vessel sprouting. Nature Reviews Molecular Cell Biology, 2013, 14, 544-545.	37.0	0
116	SHC keeps ERK under control. Nature Reviews Molecular Cell Biology, 2013, 14, 267-267.	37.0	0
117	Crystallizing active arrestins. Nature Reviews Molecular Cell Biology, 2013, 14, 327-327.	37.0	0
118	ERK keeps promoters 'poised' for action. Nature Reviews Molecular Cell Biology, 2014, 15, 219-219.	37.0	0
119	Regulating cell volume. Nature Reviews Molecular Cell Biology, 2014, 15, 363-363.	37.0	0
120	Methyltransferases 'talk' at histone H3. Nature Reviews Molecular Cell Biology, 2014, 15, 78-78.	37.0	0
121	Interplay of PTEN with histone H1. Nature Reviews Molecular Cell Biology, 2014, 15, 630-630.	37.0	0
122	Young again with Lin28. Nature Reviews Molecular Cell Biology, 2014, 15, 4-5.	37.0	0
123	One kinase targets many secreted proteins. Nature Reviews Molecular Cell Biology, 2015, 16, 453-453.	37.0	0
124	Reusing injected proteins. Nature Reviews Microbiology, 2016, 14, 666-667.	28.6	0
125	The motif behind PP2A's B56 specificity. Nature Reviews Molecular Cell Biology, 2016, 17, 534-535.	37.0	0
126	Understanding the actions of 53BP1. Nature Reviews Molecular Cell Biology, 2016, 17, 608-608.	37.0	0

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127	Keeping chromosomes apart. Nature Reviews Molecular Cell Biology, 2016, 17, 462-462.	37.0	0
128	Surveying kidney care worldwide. Nature Reviews Nephrology, 2017, 13, 384-384.	9.6	0
129	PHD inhibitors miss their mark. Nature Reviews Nephrology, 2017, 13, 384-384.	9.6	0
130	Trialling stem cell treatment for vascular disease. Nature Reviews Nephrology, 2017, 13, 384-384.	9.6	0
131	Zooming in on nuclear organization. Nature Reviews Molecular Cell Biology, 2017, 18, 275-275.	37.0	0
132	Compartmentalizing chromatin without cohesin. Nature Reviews Genetics, 2017, 18, 640-641.	16.3	0
133	Intragenic enhancers dampen gene expression. Nature Reviews Genetics, 2017, 18, 703-703.	16.3	0
134	Intragenic enhancers dampen gene expression. Nature Reviews Molecular Cell Biology, 2017, 18, 715-715.	37.0	0
135	Resilient networking. Nature Reviews Neuroscience, 2019, 20, 646-647.	10.2	0
136	A trip down memory lane. Nature Reviews Genetics, 2019, 20, 433-433.	16.3	0
137	Recording embryogenesis. Nature Reviews Genetics, 2019, 20, 373-373.	16.3	0
138	Ancient genomes shed light on dark horses. Nature Reviews Genetics, 2019, 20, 374-375.	16.3	0
139	Cell Cycle Regulatory Mechanisms in Head and Neck Squamous Cell Carcinoma. , 2003, , 101-116.		0