

# Jeffrey L Wrana

## 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.

99  
papers

14,305  
citations

49  
h-index

119  
g-index

149  
ext. papers

16,657  
ext. citations

16.4  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
99	Signal transduction by the TGF-beta superfamily. <i>Science</i> , <b>2002</b> , 296, 1646-7	33.3	1109
98	Exosomes mediate stromal mobilization of autocrine Wnt-PCP signaling in breast cancer cell migration. <i>Cell</i> , <b>2012</b> , 151, 1542-56	56.2	906
97	Functional genomics reveals a BMP-driven mesenchymal-to-epithelial transition in the initiation of somatic cell reprogramming. <i>Cell Stem Cell</i> , <b>2010</b> , 7, 64-77	18	785
96	Regulation of the polarity protein Par6 by TGFbeta receptors controls epithelial cell plasticity. <i>Science</i> , <b>2005</b> , 307, 1603-9	33.3	729
95	A SMAD ubiquitin ligase targets the BMP pathway and affects embryonic pattern formation. <i>Nature</i> , <b>1999</b> , 400, 687-93	50.4	690
94	High-throughput mapping of a dynamic signaling network in mammalian cells. <i>Science</i> , <b>2005</b> , 307, 1621-5	33.3	587
93	Dynamic modularity in protein interaction networks predicts breast cancer outcome. <i>Nature Biotechnology</i> , <b>2009</b> , 27, 199-204	44.5	568
92	The Crumbs complex couples cell density sensing to Hippo-dependent control of the TGF- $\beta$ SMAD pathway. <i>Developmental Cell</i> , <b>2010</b> , 19, 831-44	10.2	515
91	TAZ controls Smad nucleocytoplasmic shuttling and regulates human embryonic stem-cell self-renewal. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 837-48	23.4	482
90	Smad2 and Smad3 positively and negatively regulate TGF beta-dependent transcription through the forkhead DNA-binding protein FAST2. <i>Molecular Cell</i> , <b>1998</b> , 2, 109-20	17.6	469
89	Regulation of cell polarity and protrusion formation by targeting RhoA for degradation. <i>Science</i> , <b>2003</b> , 302, 1775-9	33.3	452
88	The Hippo pathway regulates Wnt/beta-catenin signaling. <i>Developmental Cell</i> , <b>2010</b> , 18, 579-91	10.2	430
87	Persistence of serum and saliva antibody responses to SARS-CoV-2 spike antigens in COVID-19 patients. <i>Science Immunology</i> , <b>2020</b> , 5,	28	396
86	A highly conserved program of neuronal microexons is misregulated in autistic brains. <i>Cell</i> , <b>2014</b> , 159, 1511-23	56.2	356
85	An experimentally derived confidence score for binary protein-protein interactions. <i>Nature Methods</i> , <b>2009</b> , 6, 91-7	21.6	342
84	Bone morphogenetic proteins regulate the developmental program of human hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 189, 1139-48	16.6	325
83	Yap-dependent reprogramming of Lgr5(+) stem cells drives intestinal regeneration and cancer. <i>Nature</i> , <b>2015</b> , 526, 715-8	50.4	311

82	Protein interaction network of the mammalian Hippo pathway reveals mechanisms of kinase-phosphatase interactions. <i>Science Signaling</i> , <b>2013</b> , 6, rs15	8.8	305
81	TGF-beta induces assembly of a Smad2-Smurf2 ubiquitin ligase complex that targets SnoN for degradation. <i>Nature Cell Biology</i> , <b>2001</b> , 3, 587-95	23.4	267
80	Structural basis of Smad2 recognition by the Smad anchor for receptor activation. <i>Science</i> , <b>2000</b> , 287, 92-7	33.3	251
79	MBNL proteins repress ES-cell-specific alternative splicing and reprogramming. <i>Nature</i> , <b>2013</b> , 498, 241-5	50.4	222
78	Essential gene profiles in breast, pancreatic, and ovarian cancer cells. <i>Cancer Discovery</i> , <b>2012</b> , 2, 172-189	24.4	221
77	YAP/TAZ Are Mechanoregulators of TGF- $\beta$ Smad Signaling and Renal Fibrogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 3117-3128	12.7	201
76	Switch enhancers interpret TGF- $\beta$ and Hippo signaling to control cell fate in human embryonic stem cells. <i>Cell Reports</i> , <b>2013</b> , 5, 1611-24	10.6	196
75	Yap- and Cdc42-dependent nephrogenesis and morphogenesis during mouse kidney development. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003380	6	182
74	FoxH1 (Fast) functions to specify the anterior primitive streak in the mouse. <i>Genes and Development</i> , <b>2001</b> , 15, 1257-71	12.6	172
73	Single-cell transcriptomes of the regenerating intestine reveal a revival stem cell. <i>Nature</i> , <b>2019</b> , 569, 121-125	50.4	164
72	The disparate role of BMP in stem cell biology. <i>Oncogene</i> , <b>2005</b> , 24, 5713-21	9.2	159
71	ProHits: integrated software for mass spectrometry-based interaction proteomics. <i>Nature Biotechnology</i> , <b>2010</b> , 28, 1015-7	44.5	156
70	Loss of the Timp gene family is sufficient for the acquisition of the CAF-like cell state. <i>Nature Cell Biology</i> , <b>2014</b> , 16, 889-901	23.4	139
69	A late transition in somatic cell reprogramming requires regulators distinct from the pluripotency network. <i>Cell Stem Cell</i> , <b>2012</b> , 11, 769-82	18	126
68	Disulfiram when Combined with Copper Enhances the Therapeutic Effects of Temozolomide for the Treatment of Glioblastoma. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 3860-75	12.9	107
67	Signal integration in TGF- $\beta$ /WNT, and Hippo pathways. <i>F1000prime Reports</i> , <b>2013</b> , 5, 17		106
66	A role for the TGFbeta-Par6 polarity pathway in breast cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 14028-33	11.5	103
65	YAP and TAZ control peripheral myelination and the expression of laminin receptors in Schwann cells. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 879-87	25.5	99

64	Coordinating developmental signaling: novel roles for the Hippo pathway. <i>Trends in Cell Biology</i> , <b>2012</b> , 22, 88-96	18.3	83
63	TCF1 links GIPR signaling to the control of beta cell function and survival. <i>Nature Medicine</i> , <b>2016</b> , 22, 84-90	50.5	75
62	Signaling by the TGF $\beta$ superfamily. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2013</b> , 5, a011197	10.2	70
61	A systematic approach to identify novel cancer drug targets using machine learning, inhibitor design and high-throughput screening. <i>Genome Medicine</i> , <b>2014</b> , 6, 57	14.4	67
60	Multilayered Control of Alternative Splicing Regulatory Networks by Transcription Factors. <i>Molecular Cell</i> , <b>2017</b> , 65, 539-553.e7	17.6	65
59	Regulation of Par6 by extracellular signals. <i>Current Opinion in Cell Biology</i> , <b>2006</b> , 18, 206-12	9	62
58	TGF $\beta$ -Family Signaling in Embryonic and Somatic Stem-Cell Renewal and Differentiation. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2017</b> , 9,	10.2	61
57	Exosomes Mediate Mobilization of Autocrine Wnt10b to Promote Axonal Regeneration in the Injured CNS. <i>Cell Reports</i> , <b>2017</b> , 20, 99-111	10.6	59
56	The TGF $\beta$ superfamily in stem cell biology and early mammalian embryonic development. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 2268-79	4	59
55	The emerging role of exosomes in Wnt secretion and transport. <i>Current Opinion in Genetics and Development</i> , <b>2014</b> , 27, 14-9	4.9	56
54	Distinct polarity cues direct Taz/Yap and TGF $\beta$ receptor localization to differentially control TGF $\beta$ induced Smad signaling. <i>Developmental Cell</i> , <b>2015</b> , 32, 652-6	10.2	55
53	Myc and SAGA rewire an alternative splicing network during early somatic cell reprogramming. <i>Genes and Development</i> , <b>2015</b> , 29, 803-16	12.6	55
52	Cell competition during reprogramming gives rise to dominant clones. <i>Science</i> , <b>2019</b> , 364,	33.3	51
51	Reciprocal stabilization of ABL and TAZ regulates osteoblastogenesis through transcription factor RUNX2. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 4482-4496	15.9	49
50	Genome-wide identification of Smad/Foxh1 targets reveals a role for Foxh1 in retinoic acid regulation and forebrain development. <i>Developmental Cell</i> , <b>2008</b> , 14, 411-23	10.2	45
49	An expanded WW domain recognition motif revealed by the interaction between Smad7 and the E3 ubiquitin ligase Smurf2. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 17069-17075	5.4	45
48	A critical role for NF2 and the Hippo pathway in branching morphogenesis. <i>Nature Communications</i> , <b>2016</b> , 7, 12309	17.4	41
47	Protein interaction networks in medicine and disease. <i>Proteomics</i> , <b>2012</b> , 12, 1706-16	4.8	40

46	Hippo signalling in intestinal regeneration and cancer. <i>Current Opinion in Cell Biology</i> , <b>2017</b> , 48, 17-25	9	37
45	A feed forward loop enforces YAP/TAZ signaling during tumorigenesis. <i>Nature Communications</i> , <b>2018</b> , 9, 3510	17.4	37
44	PTEN regulates cilia through Dishevelled. <i>Nature Communications</i> , <b>2015</b> , 6, 8388	17.4	36
43	Functional characterization of a PROTAC directed against BRAF mutant V600E. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 1170-1178	11.7	34
42	Structural basis for specificity of TGF $\beta$ family receptor small molecule inhibitors. <i>Cellular Signalling</i> , <b>2012</b> , 24, 476-483	4.9	33
41	Next-generation RNA sequencing of archival formalin-fixed paraffin-embedded urothelial bladder cancer. <i>European Urology</i> , <b>2014</b> , 66, 982-6	10.2	27
40	A lateral signalling pathway coordinates shape volatility during cell migration. <i>Nature Communications</i> , <b>2016</b> , 7, 11714	17.4	27
39	Integrative analysis of kinase networks in TRAIL-induced apoptosis provides a source of potential targets for combination therapy. <i>Science Signaling</i> , <b>2015</b> , 8, rs3	8.8	26
38	Cancer Cells Hijack PRC2 to Modify Multiple Cytokine Pathways. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126466	3.7	22
37	Robust production of uniform human cerebral organoids from pluripotent stem cells. <i>Life Science Alliance</i> , <b>2020</b> , 3,	5.8	22
36	Recent advances in understanding contextual TGF $\beta$ signaling. <i>F1000Research</i> , <b>2017</b> , 6, 749	3.6	20
35	Integrative genomics positions MKRN1 as a novel ribonucleoprotein within the embryonic stem cell gene regulatory network. <i>EMBO Reports</i> , <b>2015</b> , 16, 1334-57	6.5	20
34	Binary pan-cancer classes with distinct vulnerabilities defined by pro- or anti-cancer YAP/TEAD activity. <i>Cancer Cell</i> , <b>2021</b> , 39, 1115-1134.e12	24.3	19
33	The secret life of Smad4. <i>Cell</i> , <b>2009</b> , 136, 13-4	56.2	17
32	A glucose meter interface for point-of-care gene circuit-based diagnostics. <i>Nature Communications</i> , <b>2021</b> , 12, 724	17.4	17
31	The RNF146 and tankyrase pathway maintains the junctional Crumbs complex through regulation of angiotenin. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 3396-411	5.3	16
30	Human ortholog of Drosophila Melted impedes SMAD2 release from TGF $\beta$ receptor I to inhibit TGF $\beta$ signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E3000-9	11.5	15
29	KATapulting toward Pluripotency and Cancer. <i>Journal of Molecular Biology</i> , <b>2017</b> , 429, 1958-1977	6.5	15

28	Phosphoserine-dependent regulation of protein-protein interactions in the Smad pathway. <i>Structure</i> , <b>2002</b> , 10, 5-7	5.2	14
27	A multiplexed, next generation sequencing platform for high-throughput detection of SARS-CoV-2. <i>Nature Communications</i> , <b>2021</b> , 12, 1405	17.4	13
26	Overexpression of the Severe Acute Respiratory Syndrome Coronavirus-2 Receptor, Angiotensin-Converting Enzyme 2, in Diabetic Kidney Disease: Implications for Kidney Injury in Novel Coronavirus Disease 2019. <i>Canadian Journal of Diabetes</i> , <b>2021</b> , 45, 162-166.e1	2.1	13
25	Crucial Role of Postsynaptic Syntaxin 4 in Mediating Basal Neurotransmission and Synaptic Plasticity in Hippocampal CA1 Neurons. <i>Cell Reports</i> , <b>2018</b> , 23, 2955-2966	10.6	13
24	CHIP-MYTH: a novel interactive proteomics method for the assessment of agonist-dependent interactions of the human $\beta$ adrenergic receptor. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 445, 746-56	3.4	12
23	LUMIER: A Discovery Tool for Mammalian Protein Interaction Networks. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1550, 137-148	1.4	11
22	A novel negative regulatory mechanism of Smurf2 in BMP/Smad signaling in bone. <i>Bone Research</i> , <b>2020</b> , 8, 41	13.3	11
21	Atypical function of a centrosomal module in WNT signalling drives contextual cancer cell motility. <i>Nature Communications</i> , <b>2019</b> , 10, 2356	17.4	10
20	Comparison of SARS-CoV-2 indirect and direct RT-qPCR detection methods. <i>Virology Journal</i> , <b>2021</b> , 18, 99	6.1	8
19	Analysis of Hippo and TGF $\beta$ signaling in polarizing epithelial cells and mouse embryos. <i>Differentiation</i> , <b>2016</b> , 91, 109-18	3.5	7
18	Enteric glial cell heterogeneity regulates intestinal stem cell niches. <i>Cell Stem Cell</i> , <b>2021</b> ,	18	7
17	TNFAIP8 controls murine intestinal stem cell homeostasis and regeneration by regulating microbiome-induced Akt signaling. <i>Nature Communications</i> , <b>2020</b> , 11, 2591	17.4	7
16	Modeling the Control of TGF- $\beta$ /Smad Nuclear Accumulation by the Hippo Pathway Effectors, Taz/Yap. <i>IScience</i> , <b>2020</b> , 23, 101416	6.1	6
15	Comparison of SARS-CoV-2 Indirect and Direct Detection Methods		5
14	Regulation of Rho GTPases from the lateral sides of migrating cells. <i>Small GTPases</i> , <b>2018</b> , 9, 345-348	2.7	4
13	Looking into the black box: insights into the mechanisms of somatic cell reprogramming. <i>Genes</i> , <b>2011</b> , 2, 81-106	4.2	4
12	A Made-in-Canada serology solution for profiling humoral immune responses to SARS-CoV-2 infection and vaccination		4
11	DNA Methylation Reduces the Yes-Associated Protein 1/WW Domain Containing Transcription Regulator 1 Pathway and Prevents Pathologic Remodeling during Bladder Obstruction by Limiting Expression of BDNF. <i>American Journal of Pathology</i> , <b>2018</b> , 188, 2177-2194	5.8	3

10	Somatic driver mutation prevalence in 1844 prostate cancers identifies ZNRF3 loss as a predictor of metastatic relapse. <i>Nature Communications</i> , <b>2021</b> , 12, 6248	17.4	3
9	A scalable serology solution for profiling humoral immune responses to SARS-CoV-2 infection and vaccination.. <i>Clinical and Translational Immunology</i> , <b>2022</b> , 11, e1380	6.8	3
8	Hospital outbreak of the severe acute respiratory coronavirus virus 2 (SARS-CoV-2) delta variant in partially and fully vaccinated patients and healthcare workers in Toronto, Canada. <i>Infection Control and Hospital Epidemiology</i> , <b>2021</b> , 1-4	2	2
7	Myofibroblast YAP/TAZ activation is a key step in organ fibrogenesis.. <i>JCI Insight</i> , <b>2022</b> , 7,	9.9	2
6	NUAK1 promotes organ fibrosis via YAP and TGF- $\beta$ /SMAD signaling.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eaaz4028	17.5	2
5	Seeing is believing: Wnt3 localization in the gut epithelium. <i>Cell Research</i> , <b>2016</b> , 26, 515-6	24.7	1
4	Regulation of homeostasis and regeneration in the adult intestinal epithelium by the TGF- $\beta$ superfamily. <i>Developmental Dynamics</i> ,	2.9	1
3	Multiple roles for the hippo effector yap in gut regeneration and cancer initiation. <i>Molecular and Cellular Oncology</i> , <b>2016</b> , 3, e1143992	1.2	0
2	TNFAIP8 is a central regulator of intestinal homeostasis and regeneration. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	
1	Sugar defeats the Hippo: Glycogen regulation of the Hippo pathway in liver. <i>Molecular Cell</i> , <b>2021</b> , 81, 4768-4770	17.6	