

Ye-Guang Chen

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.

121
papers

15,329
citations

44
h-index

123
g-index

127
ext. papers

17,266
ext. citations

10.8
avg, IF

6.31
L-index

#	Paper	IF	Citations
121	BMP gradient along the intestinal villus axis controls zoned enterocyte and goblet cell states.. <i>Cell Reports</i> , 2022 , 38, 110438	10.6	2
120	The Interplay Between TGF- β Signaling and Cell Metabolism.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 846723	5.7	6
119	Cross-species single-cell transcriptomic analysis reveals divergence of cell composition and functions in mammalian ileum epithelium.. <i>Cell Regeneration</i> , 2022 , 11, 19	2.5	0
118	Establishment of human distal lung organoids for SARS-CoV-2 infection. <i>Cell Discovery</i> , 2021 , 7, 108	22.3	1
117	Establishment of porcine and monkey colonic organoids for drug toxicity study. <i>Cell Regeneration</i> , 2021 , 10, 32	2.5	2
116	Phase separation of Axin organizes the β -catenin destruction complex. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	17
115	Non-muscle myosin heavy chain 9 maintains intestinal homeostasis by preventing epithelium necroptosis and colitis adenoma formation. <i>Stem Cell Reports</i> , 2021 , 16, 1290-1301	8	0
114	A resident stromal cell population actively restrains innate immune response in the propagation phase of colitis pathogenesis in mice. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	3
113	Targeting hyperactive TGFBR2 for treating MYOCD deficient lung cancer. <i>Theranostics</i> , 2021 , 11, 6592-6606	6.6	0
112	Noncanonical TGF- β signaling leads to FBXO3-mediated degradation of Np63 β promoting breast cancer metastasis and poor clinical prognosis. <i>PLoS Biology</i> , 2021 , 19, e3001113	9.7	5
111	Positive feedback of SuFu negating protein 1 on Hedgehog signaling promotes colorectal tumor growth. <i>Cell Death and Disease</i> , 2021 , 12, 199	9.8	4
110	Liquid-liquid phase separation drives the β -catenin destruction complex formation. <i>BioEssays</i> , 2021 , 43, e2100138	4.1	3
109	Regulation of Dishevelled protein activity and stability by post-translational modifications and autophagy. <i>Trends in Biochemical Sciences</i> , 2021 , 46, 1003-1016	10.3	4
108	Recent advances in tissue stem cells. <i>Science China Life Sciences</i> , 2021 , 64, 1998	8.5	2
107	A PROTAC peptide induces durable β -catenin degradation and suppresses Wnt-dependent intestinal cancer. <i>Cell Discovery</i> , 2020 , 6, 35	22.3	21
106	DDB1 promotes the proliferation and hypertrophy of chondrocytes during mouse skeleton development. <i>Developmental Biology</i> , 2020 , 465, 100-107	3.1	0
105	Cancer-associated adipocyte-derived G-CSF promotes breast cancer malignancy via Stat3 signaling. <i>Journal of Molecular Cell Biology</i> , 2020 , 12, 723-737	6.3	12

104	Generation of 3D human gastrointestinal organoids: principle and applications. <i>Cell Regeneration</i> , 2020 , 9, 6	2.5	7
103	Dedifferentiation: the return road to repair the intestinal epithelium. <i>Cell Regeneration</i> , 2020 , 9, 2	2.5	6
102	Intestinal epithelial plasticity and regeneration via cell dedifferentiation. <i>Cell Regeneration</i> , 2020 , 9, 14	2.5	4
101	Intestinal epithelial plasticity and regeneration via cell dedifferentiation. <i>Cell Regeneration</i> , 2020 , 9, 14	2.5	7
100	Single-cell transcriptome analysis reveals differential nutrient absorption functions in human intestine. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	99
99	Gut stem cell aging is driven by mTORC1 via a p38 MAPK-p53 pathway. <i>Nature Communications</i> , 2020 , 11, 37	17.4	34
98	LGR5 constitutively activates NF- κ B signaling to regulate the growth of intestinal crypts. <i>FASEB Journal</i> , 2020 , 34, 15605-15620	0.9	6
97	Triose Kinase Controls the Lipogenic Potential of Fructose and Dietary Tolerance. <i>Cell Metabolism</i> , 2020 , 32, 605-618.e7	24.6	13
96	H3K18ac Primes Mesendodermal Differentiation upon Nodal Signaling. <i>Stem Cell Reports</i> , 2019 , 13, 642-656	8.56	4
95	ALK-mediated Tyr95 phosphorylation of Smad4 impairs its transcription activity and the tumor suppressive activity of TGF- β . <i>Science China Life Sciences</i> , 2019 , 62, 431-432	8.5	2
94	DNA Damage Activates TGF- β Signaling via ATM-c-Cbl-Mediated Stabilization of the Type II Receptor T β RII. <i>Cell Reports</i> , 2019 , 28, 735-745.e4	10.6	10
93	Efficient Culture of Intestinal Organoids with Blebbistatin. <i>Methods in Molecular Biology</i> , 2019 , 1576, 113-121	1.4	
92	Feedback regulation of TGF- β signaling. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018 , 50, 37-50	2.8	50
91	CXXC5 suppresses hepatocellular carcinoma by promoting TGF- β -induced cell cycle arrest and apoptosis. <i>Journal of Molecular Cell Biology</i> , 2018 , 10, 48-59	6.3	23
90	Monolayer culture of intestinal epithelium sustains Lgr5 intestinal stem cells. <i>Cell Discovery</i> , 2018 , 4, 32	22.3	26
89	2D- and 3D-Based Intestinal Stem Cell Cultures for Personalized Medicine. <i>Cells</i> , 2018 , 7,	7.9	16
88	Tankyrases maintain homeostasis of intestinal epithelium by preventing cell death. <i>PLoS Genetics</i> , 2018 , 14, e1007697	6	6
87	Activin/Smad2 and Wnt/ β -catenin up-regulate HAS2 and ALDH3A2 to facilitate mesendoderm differentiation of human embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 18444-18453	5.4	6

86	A growth factor-free culture system underscores the coordination between Wnt and BMP signaling in Lgr5 intestinal stem cell maintenance. <i>Cell Discovery</i> , 2018 , 4, 49	22.3	24
85	HER2/EGFR-AKT Signaling Switches TGF β from Inhibiting Cell Proliferation to Promoting Cell Migration in Breast Cancer. <i>Cancer Research</i> , 2018 , 78, 6073-6085	10.1	35
84	BMP signaling in homeostasis, transformation and inflammatory response of intestinal epithelium. <i>Science China Life Sciences</i> , 2018 , 61, 800-807	8.5	12
83	BMP restricts stemness of intestinal Lgr5 stem cells by directly suppressing their signature genes. <i>Nature Communications</i> , 2017 , 8, 13824	17.4	142
82	Activin/Smad2-induced Histone H3 Lys-27 Trimethylation (H3K27me3) Reduction Is Crucial to Initiate Mesendoderm Differentiation of Human Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2017 , 292, 1339-1350	5.4	18
81	Interplay between TGF β -signaling and receptor tyrosine kinases in tumor development. <i>Science China Life Sciences</i> , 2017 , 60, 1133-1141	8.5	16
80	A novel peptide stapling strategy enables the retention of ring-closing amino acid side chains for the Wnt/ β -catenin signalling pathway. <i>Chemical Science</i> , 2017 , 8, 7368-7373	9.4	36
79	AMPK downregulates ALK2 via increasing the interaction between Smurf1 and Smad6, leading to inhibition of osteogenic differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 2369-2377	4.9	15
78	Smad7 enables STAT3 activation and promotes pluripotency independent of TGF β -signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10113-10118	11.5	35
77	Metformin inhibits ALK1-mediated angiogenesis via activation of AMPK. <i>Oncotarget</i> , 2017 , 8, 32794-32806	9.6	23
76	TGF β -induced factor homeobox 1 promotes colorectal cancer development through activating Wnt/ β -catenin signaling. <i>Oncotarget</i> , 2017 , 8, 70214-70225	3.3	27
75	Signaling Control of Differentiation of Embryonic Stem Cells toward Mesendoderm. <i>Journal of Molecular Biology</i> , 2016 , 428, 1409-22	6.5	36
74	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
73	Smad7 Protein Interacts with Receptor-regulated Smads (R-Smads) to Inhibit Transforming Growth Factor- β /Smad Signaling. <i>Journal of Biological Chemistry</i> , 2016 , 291, 382-92	5.4	108
72	Posttranslational Modifications of TGF β -Receptors. <i>Methods in Molecular Biology</i> , 2016 , 1344, 49-61	1.4	3
71	Receptor for Activated C Kinase 1 (RACK1) Promotes Dishevelled Protein Degradation via Autophagy and Antagonizes Wnt Signaling. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12871-12879	5.4	19
70	TGF β -Signaling from Receptors to Smads. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016 , 8,	10.2	338
69	Myc-interacting zinc-finger protein 1 positively regulates Wnt signalling by protecting Dishevelled from Dapper1-mediated degradation. <i>Biochemical Journal</i> , 2015 , 466, 499-509	3.8	8

68	Small C-terminal Domain Phosphatase 3 Dephosphorylates the Linker Sites of Receptor-regulated Smads (R-Smads) to Ensure Transforming Growth Factor β (TGF β)-mediated Germ Layer Induction in Xenopus Embryos. <i>Journal of Biological Chemistry</i> , 2015 , 290, 17239-49	5.4	3
67	Regulation of intestinal stem cell fate specification. <i>Science China Life Sciences</i> , 2015 , 58, 570-8	8.5	17
66	The non-muscle-myosin-II heavy chain Myh9 mediates colitis-induced epithelium injury by restricting Lgr5+ stem cells. <i>Nature Communications</i> , 2015 , 6, 7166	17.4	37
65	Dynamic Sialylation in Transforming Growth Factor- β (TGF β)-induced Epithelial to Mesenchymal Transition. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12000-13	5.4	40
64	Activin Regulates Self-renewal and Differentiation of Trophoblast Stem Cells by Down-regulating the X Chromosome Gene Bcor. <i>Journal of Biological Chemistry</i> , 2015 , 290, 22019-29	5.4	7
63	Internalization of the TGF β -type I receptor into caveolin-1 and EEA1 double-positive early endosomes. <i>Cell Research</i> , 2015 , 25, 738-52	24.7	56
62	Carbon nanotube-assisted optical activation of TGF β -signalling by near-infrared light. <i>Nature Nanotechnology</i> , 2015 , 10, 465-71	28.7	50
61	The Wnt Signaling Antagonist Dapper1 Accelerates Dishevelled2 Degradation via Promoting Its Ubiquitination and Aggregate-induced Autophagy. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12346-54	5.4	29
60	Enrichment of the β -catenin-TCF complex at the S and G2 phases ensures cell survival and cell cycle progression. <i>Journal of Cell Science</i> , 2014 , 127, 4833-45	5.3	18
59	Maternal Eomesodermin regulates zygotic nodal gene expression for mesendoderm induction in zebrafish embryos. <i>Journal of Molecular Cell Biology</i> , 2014 , 6, 272-85	6.3	22
58	NEDD4L regulates convergent extension movements in Xenopus embryos via Dishevelled-mediated non-canonical Wnt signaling. <i>Developmental Biology</i> , 2014 , 392, 15-25	3.1	25
57	Dapper1 promotes autophagy by enhancing the Beclin1-Vps34-Atg14L complex formation. <i>Cell Research</i> , 2014 , 24, 912-24	24.7	47
56	Structural insights into the TRIM family of ubiquitin E3 ligases. <i>Cell Research</i> , 2014 , 24, 762-5	24.7	82
55	Regulation of TGF β -Signal Transduction. <i>Scientifica</i> , 2014 , 2014, 874065	2.6	22
54	c-Cbl-mediated neddylation antagonizes ubiquitination and degradation of the TGF β -type II receptor. <i>Molecular Cell</i> , 2013 , 49, 499-510	17.6	99
53	Functions of BMP signaling in embryonic stem cell fate determination. <i>Experimental Cell Research</i> , 2013 , 319, 113-9	4.2	24
52	Design of stapled β -helical peptides to specifically activate Wnt/ β -catenin signaling. <i>Cell Research</i> , 2013 , 23, 581-4	24.7	30
51	HECT domain-containing E3 ubiquitin ligase NEDD4L negatively regulates Wnt signaling by targeting dishevelled for proteasomal degradation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8289-8298	5.4	81

50	Disruption of the Dapper3 gene aggravates ureteral obstruction-mediated renal fibrosis by amplifying Wnt/ β -catenin signaling. <i>Journal of Biological Chemistry</i> , 2013 , 288, 15006-14	5.4	16
49	BMP induces cochlin expression to facilitate self-renewal and suppress neural differentiation of mouse embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8053-8060	5.4	21
48	Regulation of TGF- β receptor activity. <i>Cell and Bioscience</i> , 2012 , 2, 9	9.8	110
47	p21-Activated kinase 2 (PAK2) inhibits TGF- β signaling in Madin-Darby canine kidney (MDCK) epithelial cells by interfering with the receptor-Smad interaction. <i>Journal of Biological Chemistry</i> , 2012 , 287, 13705-12	5.4	19
46	BMP4 Signaling Acts via dual-specificity phosphatase 9 to control ERK activity in mouse embryonic stem cells. <i>Cell Stem Cell</i> , 2012 , 10, 171-82	18	111
45	Where PI3K/Akt meets Smads: the crosstalk determines human embryonic stem cell fate. <i>Cell Stem Cell</i> , 2012 , 10, 231-2	18	20
44	A crucial role for bone morphogenetic protein-Smad1 signalling in the DNA damage response. <i>Nature Communications</i> , 2012 , 3, 836	17.4	35
43	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.2	44.2	2783
42	Identification of novel rare mutations of DACT1 in human neural tube defects. <i>Human Mutation</i> , 2012 , 33, 1450-5	4.7	29
41	Fine-tune of intrinsic ERK activity by extrinsic BMP signaling in mouse embryonic stem cells. <i>Protein and Cell</i> , 2012 , 3, 401-4	7.2	4
40	PICK1 promotes caveolin-dependent degradation of TGF- β type I receptor. <i>Cell Research</i> , 2012 , 22, 1467-78.7	21.7	42
39	Selective removal of dishevelled by autophagy: a role of p62. <i>Autophagy</i> , 2011 , 7, 334-5	10.2	8
38	TSC-22 promotes transforming growth factor β -mediated cardiac myofibroblast differentiation by antagonizing Smad7 activity. <i>Molecular and Cellular Biology</i> , 2011 , 31, 3700-9	4.8	36
37	Protein kinase A-mediated 14-3-3 association impedes human Dapper1 to promote dishevelled degradation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 14870-80	5.4	16
36	Smad7: not only a regulator, but also a cross-talk mediator of TGF- β signalling. <i>Biochemical Journal</i> , 2011 , 434, 1-10	3.8	164
35	Autophagy negatively regulates Wnt signalling by promoting Dishevelled degradation. <i>Nature Cell Biology</i> , 2010 , 12, 781-90	23.4	295
34	Monomeric type I and type III transforming growth factor- β receptors and their dimerization revealed by single-molecule imaging. <i>Cell Research</i> , 2010 , 20, 1216-23	24.7	44
33	Loss of Dact1 disrupts planar cell polarity signaling by altering dishevelled activity and leads to posterior malformation in mice. <i>Journal of Biological Chemistry</i> , 2010 , 285, 11023-30	5.4	44

32	Xenopus skip modulates Wnt/beta-catenin signaling and functions in neural crest induction. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10890-901	5.4	26
31	Smad2 mediates Activin/Nodal signaling in mesendoderm differentiation of mouse embryonic stem cells. <i>Cell Research</i> , 2010 , 20, 1306-18	24.7	58
30	Genome-wide mapping of SMAD target genes reveals the role of BMP signaling in embryonic stem cell fate determination. <i>Genome Research</i> , 2010 , 20, 36-44	9.7	92
29	Regulation of embryonic stem cell self-renewal and differentiation by TGF-beta family signaling. <i>Science China Life Sciences</i> , 2010 , 53, 497-503	8.5	24
28	Dishevelled: The hub of Wnt signaling. <i>Cellular Signalling</i> , 2010 , 22, 717-27	4.9	54 ^o
27	SARS Coronavirus and Lung Fibrosis 2010 , 247-258		27
26	Human BAMBI cooperates with Smad7 to inhibit transforming growth factor-beta signaling. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30097-104	5.4	110
25	Single-molecule imaging reveals transforming growth factor-beta-induced type II receptor dimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 15679-83	11.5	98
24	Endocytic regulation of TGF-beta signaling. <i>Cell Research</i> , 2009 , 19, 58-70	24.7	207
23	Specific activation of mitogen-activated protein kinase by transforming growth factor-beta receptors in lipid rafts is required for epithelial cell plasticity. <i>Molecular Biology of the Cell</i> , 2009 , 20, 1020-9	3.5	96
22	Finale: the last minutes of Smads. <i>Cell</i> , 2009 , 139, 658-60	56.2	3
21	Dapper1 is a nucleocytoplasmic shuttling protein that negatively modulates Wnt signaling in the nucleus. <i>Journal of Biological Chemistry</i> , 2008 , 283, 35679-88	5.4	46
20	Severe acute respiratory syndrome-associated coronavirus nucleocapsid protein interacts with Smad3 and modulates transforming growth factor-beta signaling. <i>Journal of Biological Chemistry</i> , 2008 , 283, 3272-3280	5.4	133
19	MicroRNA miR-24 inhibits erythropoiesis by targeting activin type I receptor ALK4. <i>Blood</i> , 2008 , 111, 588-95	2.2	174
18	Endofin, a FYVE domain protein, interacts with Smad4 and facilitates transforming growth factor-beta signaling. <i>Journal of Biological Chemistry</i> , 2007 , 282, 9688-9695	5.4	59
17	The evolutionally conserved activity of Dapper2 in antagonizing TGF-beta signaling. <i>FASEB Journal</i> , 2007 , 21, 682-90	0.9	52
16	Smad7 antagonizes transforming growth factor beta signaling in the nucleus by interfering with functional Smad-DNA complex formation. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4488-99	4.8	196
15	Lateral diffusion of TGF-beta type I receptor studied by single-molecule imaging. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 356, 67-71	3.4	32

14	Dapper 1 antagonizes Wnt signaling by promoting dishevelled degradation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 8607-12	5.4	119
13	PPM1A functions as a Smad phosphatase to terminate TGFbeta signaling. <i>Cell</i> , 2006 , 125, 915-28	56.2	378
12	Activin signaling and its role in regulation of cell proliferation, apoptosis, and carcinogenesis. <i>Experimental Biology and Medicine</i> , 2006 , 231, 534-44	3.7	136
11	Interaction of stathmin-like 2 protein with the APP intracellular domain. <i>Tsinghua Science and Technology</i> , 2005 , 10, 484-488	3.4	1
10	Zebrafish Dpr2 inhibits mesoderm induction by promoting degradation of nodal receptors. <i>Science</i> , 2004 , 306, 114-7	33.3	118
9	Inhibition of severe acute respiratory syndrome virus replication by small interfering RNAs in mammalian cells. <i>Journal of Virology</i> , 2004 , 78, 7523-7	6.6	96
8	Transforming growth factor beta activates Smad2 in the absence of receptor endocytosis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 29363-8	5.4	76
7	The TGF beta receptor activation process: an inhibitor- to substrate-binding switch. <i>Molecular Cell</i> , 2001 , 8, 671-82	17.6	310
6	The nuclear import function of Smad2 is masked by SARA and unmasked by TGFbeta-dependent phosphorylation. <i>Nature Cell Biology</i> , 2000 , 2, 559-62	23.4	128
5	Structural basis of Smad2 recognition by the Smad anchor for receptor activation. <i>Science</i> , 2000 , 287, 92-7	33.3	251
4	Controlling TGF-β signaling. <i>Genes and Development</i> , 2000 , 14, 627-644	12.6	879
3	Silencing of TGF-beta signalling by the pseudoreceptor BAMBI. <i>Nature</i> , 1999 , 401, 480-5	50.4	575
2	Crystal structure of the cytoplasmic domain of the type I TGF beta receptor in complex with FKBP12. <i>Cell</i> , 1999 , 96, 425-36	56.2	375
1	Mechanism of TGFbeta receptor inhibition by FKBP12. <i>EMBO Journal</i> , 1997 , 16, 3866-76	13	285