

Yin Xia

List of Publications by Year in descending order

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65
papers

4,277
citations

186265
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docs citations

65
times ranked

4382
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone morphogenetic protein signaling by hemojuvelin regulates hepcidin expression. <i>Nature Genetics</i> , 2006, 38, 531-539.	21.4	921
2	BMP6 is a key endogenous regulator of hepcidin expression and iron metabolism. <i>Nature Genetics</i> , 2009, 41, 482-487.	21.4	678
3	Modulation of bone morphogenetic protein signaling in vivo regulates systemic iron balance. <i>Journal of Clinical Investigation</i> , 2007, 117, 1933-1939.	8.2	401
4	The biology of activin: recent advances in structure, regulation and function. <i>Journal of Endocrinology</i> , 2009, 202, 1-12.	2.6	216
5	Hemojuvelin regulates hepcidin expression via a selective subset of BMP ligands and receptors independently of neogenin. <i>Blood</i> , 2008, 111, 5195-5204.	1.4	194
6	Repulsive Guidance Molecule (RGMa), a DRAGON Homologue, Is a Bone Morphogenetic Protein Co-receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 29820-29827.	3.4	168
7	FSTL3 deletion reveals roles for TGF-beta family ligands in glucose and fat homeostasis in adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1348-1353.	7.1	139
8	HFE interacts with the BMP type I receptor ALK3 to regulate hepcidin expression. <i>Blood</i> , 2014, 124, 1335-1343.	1.4	110
9	Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6927-E6936.	7.1	109
10	Repulsive Guidance Molecule RGMa Alters Utilization of Bone Morphogenetic Protein (BMP) Type II Receptors by BMP2 and BMP4. <i>Journal of Biological Chemistry</i> , 2007, 282, 18129-18140.	3.4	91
11	Aquaporin-1 retards renal cyst development in polycystic kidney disease by inhibition of Wnt signaling. <i>FASEB Journal</i> , 2015, 29, 1551-1563.	0.5	66
12	RGMb protects against acute kidney injury by inhibiting tubular cell necroptosis via an MLKL-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1475-E1484.	7.1	65
13	Differential actions of follistatin and follistatin-like 3. <i>Molecular and Cellular Endocrinology</i> , 2004, 225, 25-28.	3.2	60
14	Overexpression of Follistatin-Like 3 in Gonads Causes Defects in Gonadal Development and Function in Transgenic Mice. <i>Molecular Endocrinology</i> , 2004, 18, 979-994.	3.7	55
15	Dragon (Repulsive Guidance Molecule b) Inhibits IL-6 Expression in Macrophages. <i>Journal of Immunology</i> , 2011, 186, 1369-1376.	0.8	49
16	Osteocalcin expressing cells from tendon sheaths in mice contribute to tendon repair by activating Hedgehog signaling. <i>ELife</i> , 2017, 6, .	6.0	49
17	Essential Role for Polycomb Group Protein Pcgf6 in Embryonic Stem Cell Maintenance and a Noncanonical Polycomb Repressive Complex 1 (PRC1) Integrity. <i>Journal of Biological Chemistry</i> , 2017, 292, 2773-2784.	3.4	47
18	Distinct mechanisms of induction of hepatic growth hormone resistance by endogenous IL-6, TNF- α , and IL-1 β . <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E186-E198.	3.5	42

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19	Gentamicin-Induced Acute Kidney Injury in an Animal Model Involves Programmed Necrosis of the Collecting Duct. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 2097-2115.	6.1	42
20	The Follistatin-288 Isoform Alone Is Sufficient for Survival But Not for Normal Fertility in Mice. <i>Endocrinology</i> , 2010, 151, 1310-1319.	2.8	40
21	Polycomb group RING finger proteins 3/5 activate transcription via an interaction with the pluripotency factor Tex10 in embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 21527-21537.	3.4	40
22	The Proto-oncogene Transcription Factor Ets1 Regulates Neural Crest Development through Histone Deacetylase 1 to Mediate Output of Bone Morphogenetic Protein Signaling. <i>Journal of Biological Chemistry</i> , 2015, 290, 21925-21938.	3.4	38
23	Tubule-Specific Mst1/2 Deficiency Induces CKD via YAP and Non-YAP Mechanisms. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 946-961.	6.1	35
24	Differential Biosynthesis and Intracellular Transport of Follistatin Isoforms and Follistatin-Like-3. <i>Endocrinology</i> , 2005, 146, 5052-5062.	2.8	33
25	Dragon Enhances BMP Signaling and Increases Transepithelial Resistance in Kidney Epithelial Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 666-677.	6.1	32
26	Hepcidin Regulation by BMP Signaling in Macrophages Is Lipopolysaccharide Dependent. <i>PLoS ONE</i> , 2012, 7, e44622.	2.5	31
27	Accurate Profiling of Gene Expression and Alternative Polyadenylation with Whole Transcriptome Termini Site Sequencing (WTTS-Seq). <i>Genetics</i> , 2016, 203, 683-697.	2.9	31
28	IL-1 β inhibits β -Klotho expression and FGF19 signaling in hepatocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E289-E300.	3.5	31
29	Localization and Action of Dragon (Repulsive Guidance Molecule b), a Novel Bone Morphogenetic Protein Coreceptor, throughout the Reproductive Axis. <i>Endocrinology</i> , 2005, 146, 3614-3621.	2.8	30
30	KLF2 Mediates the Suppressive Effect of Laminar Flow on Vascular Calcification by Inhibiting Endothelial BMP/SMAD1/5 Signaling. <i>Circulation Research</i> , 2021, 129, e87-e100.	4.5	27
31	Combinatorial Control of Recruitment of a Variant PRC1.6 Complex in Embryonic Stem Cells. <i>Cell Reports</i> , 2018, 22, 3032-3043.	6.4	26
32	Dragon (repulsive guidance molecule b, RGMb) is a novel gene that promotes colorectal cancer growth. <i>Oncotarget</i> , 2015, 6, 20540-20554.	1.8	25
33	Ginkgolide B inhibits renal cyst development in in vitro and in vivo cyst models. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, F1234-F1242.	2.7	23
34	Dragon (Repulsive Guidance Molecule RGMb) Inhibits E-cadherin Expression and Induces Apoptosis in Renal Tubular Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 31528-31539.	3.4	23
35	Loss of Polycomb Group Protein Pcgf1 Severely Compromises Proper Differentiation of Embryonic Stem Cells. <i>Scientific Reports</i> , 2017, 7, 46276.	3.3	23
36	Lethal (3) malignant brain tumor-like 2 (L3MBTL2) protein protects against kidney injury by inhibiting the DNA damage \rightarrow p53 \rightarrow apoptosis pathway in renal tubular cells. <i>Kidney International</i> , 2018, 93, 855-870.	5.2	20

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37	The polycomb group protein PCGF6 mediates germline gene silencing by recruiting histone-modifying proteins to target gene promoters. <i>Journal of Biological Chemistry</i> , 2020, 295, 9712-9724.	3.4	20
38	Topical propranolol hydrochloride gel for superficial infantile hemangiomas. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2012, 32, 923-926.	1.0	18
39	Leptin inhibits basal but not gonadotrophin-stimulated testosterone production in the immature mouse and sheep testis. <i>Reproduction, Fertility and Development</i> , 2008, 20, 519.	0.4	17
40	Alternative polyadenylation coordinates embryonic development, sexual dimorphism and longitudinal growth in <i>Xenopus tropicalis</i> . <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2185-2198.	5.4	16
41	L3MBTL2 regulates chromatin remodeling during spermatogenesis. <i>Cell Death and Differentiation</i> , 2019, 26, 2194-2207.	11.2	16
42	Hippo kinases MST1 and MST2 control the differentiation of the epididymal initial segment via the MEK-ERK pathway. <i>Cell Death and Differentiation</i> , 2020, 27, 2797-2809.	11.2	15
43	Rbbp4 Suppresses Premature Differentiation of Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2021, 16, 566-581.	4.8	14
44	Dragon (RGMb) induces oxaliplatin resistance in colon cancer cells. <i>Oncotarget</i> , 2016, 7, 48027-48037.	1.8	14
45	Pcd10-Stk24/25 complex controls kidney water reabsorption by regulating Aqp2 membrane targeting. <i>JCI Insight</i> , 2021, 6, .	5.0	13
46	Follistatin-like 1 (FSTL1) interacts with Wnt ligands and Frizzled receptors to enhance Wnt/ β -catenin signaling in obstructed kidneys in vivo. <i>Journal of Biological Chemistry</i> , 2022, 298, 102010.	3.4	13
47	Repulsive Guidance Molecule b Deficiency Induces Gut Microbiota Dysbiosis and Increases the Susceptibility to Intestinal Inflammation in Mice. <i>Frontiers in Microbiology</i> , 2021, 12, 648915.	3.5	12
48	Melamine Impairs Renal and Vascular Function in Rats. <i>Scientific Reports</i> , 2016, 6, 28041.	3.3	10
49	Repulsive guidance molecule b inhibits renal cyst development through the bone morphogenetic protein signaling pathway. <i>Cellular Signalling</i> , 2016, 28, 1842-1851.	3.6	10
50	Homology-independent multiallelic disruption via CRISPR/Cas9-based knock-in yields distinct functional outcomes in human cells. <i>BMC Biology</i> , 2018, 16, 151.	3.8	10
51	Human Fetal Liver Stromal Cell Co-Culture Enhances the Differentiation of Pancreatic Progenitor Cells into Islet-Like Cell Clusters. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 280-294.	5.6	9
52	The polycomb group protein Yaf2 regulates the pluripotency of embryonic stem cells in a phosphorylation-dependent manner. <i>Journal of Biological Chemistry</i> , 2018, 293, 12793-12804.	3.4	9
53	Sex-related decrease in $[Ca^{2+}]_i$ signaling and Ca^{2+} -dependent contraction in inferior vena cava of female rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R15-R24.	1.8	7
54	Functional redundancy among Polycomb complexes in maintaining the pluripotent state of embryonic stem cells. <i>Stem Cell Reports</i> , 2022, 17, 1198-1214.	4.8	7

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55	Changes in Ovarian Follistatin Levels During the Oestrous Cycle in Sheep may Serve as an Intraovarian Regulator. <i>Reproduction in Domestic Animals</i> , 2010, 45, 509-515.	1.4	6
56	Effect of topical propranolol gel on plasma renin, angiotensin ii and vascular endothelial growth factor in superficial infantile hemangiomas. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2015, 35, 759-762.	1.0	6
57	Expression of repulsive guidance molecule b (RGMb) in the uterus and ovary during the estrous cycle in rats. <i>Acta Histochemica</i> , 2014, 116, 1231-1236.	1.8	5
58	Repulsive Guidance Molecule b (RGMb) Is Dispensable for Normal Gonadal Function in Mice1. <i>Biology of Reproduction</i> , 2016, 94, 78.	2.7	5
59	Hemojuvelin Acts as a Bone Morphogenetic Protein Co-Receptor To Regulate Hhepcidin Expression.. <i>Blood</i> , 2005, 106, 511-511.	1.4	5
60	Changes in concentrations of follistatin in maternal plasma and foetal fluids during pregnancy and parturition in sheep. <i>Animal Reproduction Science</i> , 2009, 114, 148-156.	1.5	4
61	Pregnancy-associated adaptations in [Ca ²⁺] _i -dependent and Ca ²⁺ sensitization mechanisms of venous contraction: implications in pregnancy-related venous disorders. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1851-H1865.	3.2	2
62	Follistatin-like protein 1 increases transepithelial resistance in kidney epithelial cells through Akt signaling. <i>Molecular Medicine Reports</i> , 2017, 16, 4341-4347.	2.4	2
63	The MuvB complex safeguards embryonic stem cell identity through regulation of the cell cycle machinery. <i>Journal of Biological Chemistry</i> , 2022, 298, 101701.	3.4	2
64	The BMP co-receptor Dragon is required for normal renal branching morphogenesis. <i>Developmental Biology</i> , 2011, 356, 142.	2.0	0
65	Method for Measuring Macrophage Iron Efflux in Vitro and in Vivo Using Magnetic Resonance Imaging. <i>Blood</i> , 2008, 112, 4636-4636.	1.4	0