

# Wei Jiang

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

4,214  
citations

186265

28  
h-index

114465

63  
g-index

74  
all docs

74  
docs citations

74  
times ranked

6673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient differentiation of human ES cells and iPS cells into mature pancreatic insulin-producing cells. <i>Cell Research</i> , 2009, 19, 429-438.	12.0	525
2	Generation of Induced Pluripotent Stem Cells from Adult Rhesus Monkey Fibroblasts. <i>Cell Stem Cell</i> , 2008, 3, 587-590.	11.1	439
3	In vitro derivation of functional insulin-producing cells from human embryonic stem cells. <i>Cell Research</i> , 2007, 17, 333-344.	12.0	304
4	Short-term BMP-4 treatment initiates mesoderm induction in human embryonic stem cells. <i>Blood</i> , 2008, 111, 1933-1941.	1.4	270
5	Propensity-Matched Comparison of Morbidity and Costs of Open and Robot-Assisted Radical Cystectomies: A Contemporary Population-Based Analysis in the United States. <i>European Urology</i> , 2014, 66, 569-576.	1.9	205
6	Inducing Embryonic Stem Cells to Differentiate into Pancreatic $\beta$ Cells by a Novel Three-Step Approach with Activin A and All-Trans Retinoic Acid. <i>Stem Cells</i> , 2005, 23, 656-662.	3.2	184
7	Defining Optimal Length of Opioid Pain Medication Prescription After Common Surgical Procedures. <i>JAMA Surgery</i> , 2018, 153, 37.	4.3	178
8	Histone Demethylase Expression Enhances Human Somatic Cell Nuclear Transfer Efficiency and Promotes Derivation of Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015, 17, 758-766.	11.1	158
9	Histone H3K27me3 demethylases KDM6A and KDM6B modulate definitive endoderm differentiation from human ESCs by regulating WNT signaling pathway. <i>Cell Research</i> , 2013, 23, 122-130.	12.0	134
10	The lncRNA DEANR1 Facilitates Human Endoderm Differentiation by Activating FOXA2 Expression. <i>Cell Reports</i> , 2015, 11, 137-148.	6.4	127
11	Feeding induces cholesterol biosynthesis via the mTORC1- $\text{USP20}$ -HMGCR axis. <i>Nature</i> , 2020, 588, 479-484.	27.8	125
12	An optimized method for high-titer lentivirus preparations without ultracentrifugation. <i>Scientific Reports</i> , 2015, 5, 13875.	3.3	106
13	Comparison of Gonadotropin-Releasing Hormone Agonists and Orchiectomy. <i>JAMA Oncology</i> , 2016, 2, 500.	7.1	94
14	Simvastatin induces cell cycle arrest and inhibits proliferation of bladder cancer cells via PPAR $\beta$ signalling pathway. <i>Scientific Reports</i> , 2016, 6, 35783.	3.3	90
15	Sustained Prescription Opioid Use Among Previously Opioid-Naive Patients Insured Through TRICARE (2006-2014). <i>JAMA Surgery</i> , 2017, 152, 1175.	4.3	85
16	EcdGHK Are Three Tailoring Iron Oxygenases for Amino Acid Building Blocks of the Echinocandin Scaffold. <i>Journal of the American Chemical Society</i> , 2013, 135, 4457-4466.	13.7	71
17	CD24: A Novel Surface Marker for PDX1-Positive Pancreatic Progenitors Derived from Human Embryonic Stem Cells. <i>Stem Cells</i> , 2011, 29, 609-617.	3.2	63
18	TM4SF1 regulates apoptosis, cell cycle and ROS metabolism via the PPAR $\beta$ -SIRT1 feedback loop in human bladder cancer cells. <i>Cancer Letters</i> , 2018, 414, 278-293.	7.2	58

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19	Biosynthetic Chlorination of the Piperazate Residue in Kutzneride Biosynthesis by KthP. <i>Biochemistry</i> , 2011, 50, 6063-6072.	2.5	57
20	WNT3 Is a Biomarker Capable of Predicting the Definitive Endoderm Differentiation Potential of hESCs. <i>Stem Cell Reports</i> , 2013, 1, 46-52.	4.8	50
21	Differential m6A RNA landscapes across hematopoiesis reveal a role for IGF2BP2 in preserving hematopoietic stem cell function. <i>Cell Stem Cell</i> , 2022, 29, 149-159.e7.	11.1	49
22	Transcriptome analysis of <i>Enterococcus faecalis</i> in response to alkaline stress. <i>Frontiers in Microbiology</i> , 2015, 6, 795.	3.5	48
23	CIRBP is a novel oncogene in human bladder cancer inducing expression of HIF-1 $\alpha$ . <i>Cell Death and Disease</i> , 2018, 9, 1046.	6.3	43
24	Does Universal Insurance Mitigate Racial Differences in Minimally Invasive Hysterectomy?. <i>Journal of Minimally Invasive Gynecology</i> , 2017, 24, 790-796.	0.6	41
25	Is There Variation in Procedural Utilization for Lumbar Spine Disorders Between a Fee-for-Service and Salaried Healthcare System?. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 2838-2844.	1.5	39
26	Knockdown of <i>SIRT1</i> Suppresses Bladder Cancer Cell Proliferation and Migration and Induces Cell Cycle Arrest and Antioxidant Response through FOXO3a-Mediated Pathways. <i>BioMed Research International</i> , 2017, 2017, 1-14.	1.9	38
27	Hernia recurrence following inguinal hernia repair in children. <i>Journal of Pediatric Surgery</i> , 2018, 53, 2214-2218.	1.6	36
28	Downregulation of LPTM5 suppresses cell proliferation and viability inducing cell cycle arrest at G0/G1 phase of bladder cancer cells. <i>International Journal of Oncology</i> , 2017, 50, 263-271.	3.3	35
29	Silencing of <i>HJURP</i> induces dysregulation of cell cycle and ROS metabolism in bladder cancer cells via PPAR $\beta$ -SIRT1 feedback loop. <i>Journal of Cancer</i> , 2017, 8, 2282-2295.	2.5	35
30	Impact of testosterone replacement therapy on thromboembolism, heart disease and obstructive sleep apnoea in men. <i>BJU International</i> , 2018, 121, 811-818.	2.5	27
31	The Paf1 complex transcriptionally regulates the mitochondrial-anchored protein Atg32 leading to activation of mitophagy. <i>Autophagy</i> , 2020, 16, 1366-1379.	9.1	26
32	The Role of SMAD2/3 in Human Embryonic Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 653.	3.7	25
33	Epigenetic Regulation of Transition Among Different Pluripotent States: Concise Review. <i>Stem Cells</i> , 2019, 37, 1372-1380.	3.2	24
34	P21cip-Overexpression in the Mouse $\beta$ 2 Cells Leads to the Improved Recovery from Streptozotocin-Induced Diabetes. <i>PLoS ONE</i> , 2009, 4, e8344.	2.5	24
35	Hierarchical microspheres with macropores fabricated from chitin as 3D cell culture. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5190-5198.	5.8	22
36	The evolutionarily conserved long non-coding RNA <i>LINC00261</i> drives neuroendocrine prostate cancer proliferation and metastasis via distinct nuclear and cytoplasmic mechanisms. <i>Molecular Oncology</i> , 2021, 15, 1921-1941.	4.6	22

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37	GATA6-AS1 Regulates GATA6 Expression to Modulate Human Endoderm Differentiation. <i>Stem Cell Reports</i> , 2020, 15, 694-705.	4.8	21
38	Generation of pancreatic islet cells from human embryonic stem cells. <i>Science in China Series C: Life Sciences</i> , 2009, 52, 615-621.	1.3	20
39	MiR-15b and miR-322 inhibit SETD3 expression to repress muscle cell differentiation. <i>Cell Death and Disease</i> , 2019, 10, 183.	6.3	20
40	CircASPH promotes KGN cells proliferation through miR-375/MAP2K6 axis in Polycystic Ovary Syndrome. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 1817-1825.	3.6	20
41	Making human pancreatic islet organoids: Progresses on the cell origins, biomaterials and three-dimensional technologies. <i>Theranostics</i> , 2022, 12, 1537-1556.	10.0	20
42	Universal Health Insurance and its association with long term outcomes in Pediatric Trauma Patients. <i>Injury</i> , 2018, 49, 75-81.	1.7	17
43	Disparities in receipt of a laparoscopic operation for ectopic pregnancy among TRICARE beneficiaries. <i>Surgery</i> , 2017, 161, 1341-1347.	1.9	16
44	The impact of hepatitis C virus infection on 90-day outcomes following major orthopaedic surgery: a propensity-matched analysis. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2017, 137, 1181-1186.	2.4	15
45	Racial/Ethnic Disparities in Longer-term Outcomes Among Emergency General Surgery Patients. <i>Annals of Surgery</i> , 2018, 268, 968-979.	4.2	15
46	Derivation of feeder-free human extended pluripotent stem cells. <i>Stem Cell Reports</i> , 2021, 16, 1686-1696.	4.8	15
47	Quaternized Polysaccharide-Based Cationic Micelles as a Macromolecular Approach to Eradicate Multidrug-Resistant Bacterial Infections while Mitigating Antimicrobial Resistance. <i>Small</i> , 2022, 18, e2104885.	10.0	15
48	Dual Inhibition of BMP and WNT Signals Promotes Pancreatic Differentiation from Human Pluripotent Stem Cells. <i>Stem Cells International</i> , 2019, 2019, 1-15.	2.5	11
49	From One-Cell to Tissue: Reprogramming, Cell Differentiation and Tissue Engineering. <i>BioScience</i> , 2015, 65, 468-475.	4.9	10
50	Individualized Radiation Dose Escalation Based on the Decrease in Tumor FDG Uptake and Normal Tissue Constraints Improve Survival in Patients With Esophageal Carcinoma. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 75-80.	1.9	10
51	The Use of Prostate Specific Antigen Screening in Purchased versus Direct Care Settings: Data from the TRICARE® Military Database. <i>Journal of Urology</i> , 2017, 198, 1295-1300.	0.4	10
52	Differences in the chemical composition of <i>Enterococcus faecalis</i> biofilm under conditions of starvation and alkalinity. <i>Bioengineered</i> , 2017, 8, 1-7.	3.2	10
53	Testicular atrophy following inguinal hernia repair in children. <i>Pediatric Surgery International</i> , 2018, 34, 553-560.	1.4	10
54	ALS3 Expression as an Indicator for <i>Candida albicans</i> Biofilm Formation and Drug Resistance. <i>Frontiers in Microbiology</i> , 2021, 12, 655242.	3.5	10

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55	Mitochondrial homeostasis regulates definitive endoderm differentiation of human pluripotent stem cells. <i>Cell Death Discovery</i> , 2022, 8, 69.	4.7	10
56	Patient driven care in the management of prostate cancer: analysis of the United States military healthcare system. <i>BMC Urology</i> , 2017, 17, 56.	1.4	9
57	CHD8 safeguards early neuroectoderm differentiation in human ESCs and protects from apoptosis during neurogenesis. <i>Cell Death and Disease</i> , 2021, 12, 981.	6.3	9
58	Enhancing pluripotency maintenance and early differentiation in human pluripotent stem cells. <i>FASEB Journal</i> , 2021, 35, e21438.	0.5	8
59	The Transition to Data-Driven Quality Metrics: Determining the Optimal Surveillance Period for Complications After Surgery. <i>Journal of Surgical Research</i> , 2018, 232, 332-337.	1.6	7
60	Identification and functional analysis of fourteen NR5A1 variants in patients with the 46 XY disorders of sex development. <i>Gene</i> , 2020, 760, 145004.	2.2	7
61	Mitochondrial dysfunction by TFAM depletion disrupts self-renewal and lineage differentiation of human PSCs by affecting cell proliferation and YAP response. <i>Redox Biology</i> , 2022, 50, 102248.	9.0	7
62	Race-based differences in duration of stay among universally insured coronary artery bypass graft patients in military versus civilian hospitals. <i>Surgery</i> , 2017, 161, 1090-1099.	1.9	6
63	Testosterone replacement therapy is associated with an increased risk of urolithiasis. <i>World Journal of Urology</i> , 2019, 37, 2737-2746.	2.2	6
64	Pluripotent stem cell differentiation as an emerging model to study human prostate development. <i>Stem Cell Research and Therapy</i> , 2020, 11, 285.	5.5	5
65	Depletion of Demethylase KDM6 Enhances Early Neuroectoderm Commitment of Human PSCs. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702462.	3.7	5
66	Active endogenous retroviral elements in human pluripotent stem cells play a role in regulating host gene expression. <i>Nucleic Acids Research</i> , 2022, 50, 4959-4973.	14.5	5
67	A Modification of Laparoscopic Type C1 Hysterectomy to Reduce Postoperative Bladder Dysfunction: A Retrospective Study. <i>Journal of Investigative Surgery</i> , 2019, 32, 272-280.	1.3	3
68	Generation of two induced pluripotent stem cell lines from blood cells of a prostate cancer patient carrying germline mutation in CHEK2. <i>Stem Cell Research</i> , 2021, 53, 102299.	0.7	3
69	Research on Methodology of Classification Mining for Tumor Markers. , 2008, , .		0
70	The path and surface marker of SC- $\beta$ 2 cells. <i>Science Bulletin</i> , 2019, 64, 1122-1124.	9.0	0