Linheng Li

List of Publications by Year
in descending order

147 papers	18,793 citations	23500 58 h-index	16605 123 g-index
205 all docs	205 docs citations	205 times ranked	23831 citing authors

#	Article	IF	Citations
1	Identification of the haematopoietic stem cell niche and control of the niche size. Nature, 2003, 425, 836-841.	13.7	2,633
2	Alagille syndrome is caused by mutations in human Jagged1, which encodes a ligand for Notch1. Nature Genetics, 1997, 16, 243-251.	9.4	1,184
3	Coexistence of Quiescent and Active Adult Stem Cells in Mammals. Science, 2010, 327, 542-545.	6.0	1,104
4	STEM CELL NICHE: Structure and Function. Annual Review of Cell and Developmental Biology, 2005, 21, 605-631.	4.0	1,082
5	BMP signaling inhibits intestinal stem cell self-renewal through suppression of Wntâ€"Î²-catenin signaling. Nature Genetics, 2004, 36, 1117-1121.	9.4	948
6	PTEN maintains haematopoietic stem cells and acts in lineage choice and leukaemia prevention. Nature, 2006, 441, 518-522.	13.7	767
7	The stem cell niches in bone. Journal of Clinical Investigation, 2006, 116, 1195-1201.	3.9	667
8	Normal Stem Cells and Cancer Stem Cells: The Niche Matters: Figure 1.. Cancer Research, 2006, 66, 4553-4557.	0.4	663
9	Detection of functional haematopoietic stem cell niche using real-time imaging. Nature, 2009, 457, 97-101.	13.7	504
10	Megakaryocytes maintain homeostatic quiescence and promote post-injury regeneration of hematopoietic stem cells. Nature Medicine, 2014, 20, 1321-1326.	15.2	470
11	PTEN-deficient intestinal stem cells initiate intestinal polyposis. Nature Genetics, 2007, 39, 189-198.	9.4	391
12	Hematopoietic Stem Cells Contribute to the Regeneration of Renal Tubules after Renal Ischemia-Reperfusion Injury in Mice. Journal of the American Society of Nephrology: JASN, 2003, 14, 1188-1199.	3.0	387
13	Current View: Intestinal Stem Cells and Signaling. Gastroenterology, 2008, 134, 849-864.	0.6	365
14	Transcriptional accessibility for genes of multiple tissues and hematopoietic lineages is hierarchically controlled during early hematopoiesis. Blood, 2003, 101, 383-389.	0.6	344
15	Intestinal Enteroendocrine Lineage Cells Possess Homeostatic and Injury-Inducible Stem Cell Activity. Cell Stem Cell, 2017, 21, 78-90.e6.	5.2	280
16	Interferon-Î³ Regulates Intestinal Epithelial Homeostasis through Converging Î²-Catenin Signaling Pathways. Immunity, 2010, 32, 392-402.	6.6	270
17	The Human Homolog of Rat Jagged1Expressed by Marrow Stroma Inhibits Differentiation of 32D Cells through Interaction with Notch1. Immunity, 1998, 8, 43-55.	6.6	261
18	Noncanonical Wnt Signaling Maintains Hematopoietic Stem Cells in the Niche. Cell, 2012, 150, 351-365.	13.5	257

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19	Maternal imprinting at the H19â€"Igf2 locus maintains adult haematopoietic stem cell quiescence. Nature, 2013, 500, 345-349.	13.7	256
20	Notch Activation Results in Phenotypic and Functional Changes Consistent With Endothelial-to-Mesenchymal Transformation. Circulation Research, 2004, 94, 910-917.	2.0	250
21	Impaired TFEB-Mediated Lysosome Biogenesis and Autophagy Promote Chronic Ethanol-Induced Liver Injury and Steatosis inÂMice. Gastroenterology, 2018, 155, 865-879.e12.	0.6	225
22	Spectrum and Frequency of Jagged1 (JAG1) Mutations in Alagille Syndrome Patients and Their Families. American Journal of Human Genetics, 1998, 62, 1361-1369.	2.6	218
23	Suppression of m6A reader Ythdf2 promotes hematopoietic stem cell expansion. Cell Research, 2018, 28, 904-917.	5.7	203
24	BMP signaling and stem cell regulation. Developmental Biology, 2005, 284, 1-11.	0.9	197
25	Multifunctional nanoparticles for targeted delivery of immune activating and cancer therapeutic agents. Journal of Controlled Release, 2013, 172, 1020-1034.	4.8	193
26	Isolation and Characterization of Intestinal Stem Cells Based on Surface Marker Combinations and Colony-Formation Assay. Gastroenterology, 2013, 145, 383-395.e21.	0.6	172
27	A nomenclature for intestinal in vitro cultures. American Journal of Physiology - Renal Physiology, 2012, 302, G1359-G1363.	1.6	171
28	Differential gene expression profiling of adult murine hematopoietic stem cells. Blood, 2002, 99, 488-498.	0.6	168
29	Activated Notch4 Inhibits Angiogenesis: Role of Î²1-Integrin Activation. Molecular and Cellular Biology, 2002, 22, 2830-2841.	1.1	157
30	Cooperation between both Wnt/Î²-catenin and PTEN/PI3K/Akt signaling promotes primitive hematopoietic stem cell self-renewal and expansion. Genes and Development, 2011, 25, 1928-1942.	2.7	154
31	The Dlk1-Gtl2 Locus Preserves LT-HSC Function by Inhibiting the PI3K-mTOR Pathway to Restrict Mitochondrial Metabolism. Cell Stem Cell, 2016, 18, 214-228.	5.2	149
32	Bone Morphogenetic Protein Signaling Inhibits Hair Follicle Anagen Induction by Restricting Epithelial Stem/Progenitor Cell Activation and Expansion. Stem Cells, 2006, 24, 2826-2839.	1.4	147
33	Proteomic analysis identifies that 14-3-3Â interacts with Â-catenin and facilitates its activation by Akt. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15370-15375.	3.3	138
34	Noncanonical Wnt signaling in vertebrate development, stem cells, and diseases. Birth Defects Research Part C: Embryo Today Reviews, 2010, 90, 243-256.	3.6	138
35	Understanding hematopoietic stem-cell microenvironments. Trends in Biochemical Sciences, 2006, 31, 589-595.	3.7	135
36	Phosphoinositide 3-Kinase Signaling Mediates Î²-Catenin Activation in Intestinal Epithelial Stem and Progenitor Cells in Colitis. Gastroenterology, 2010, 139, 869-881.e9.	0.6	135

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37	A high-throughput platform for stem cell niche co-cultures and downstream gene expression analysis. Nature Cell Biology, 2015, 17, 340-349.	4.6	133
38	N-Cadherin Expression Level Distinguishes Reserved versus Primed States of Hematopoietic Stem Cells. Cell Stem Cell, 2008, 2, 367-379.	5.2	132
39	H19 promotes cholestatic liver fibrosis by preventing ZEB1â€mediated inhibition of epithelial cell adhesion molecule. Hepatology, 2017, 66, 1183-1196.	3.6	126
40	Stem Cell Niche: Microenvironment and Beyond. Journal of Biological Chemistry, 2008, 283, 9499-9503.	1.6	112
41	Ribosomal DNA copy number loss and sequence variation in cancer. PLoS Genetics, 2017, 13, e1006771.	1.5	111
42	N-Cadherin-Expressing Bone and Marrow Stromal Progenitor Cells Maintain Reserve Hematopoietic Stem Cells. Cell Reports, 2019, 26, 652-669.e6.	2.9	106
43	The Wnt Antagonist Dkk1 Regulates Intestinal Epithelial Homeostasis and Wound Repair. Gastroenterology, 2011, 141, 259-268.e8.	0.6	105
44	Bone Morphogenetic Protein Signaling Suppresses Tumorigenesis at Gastric Epithelial Transition Zones in Mice. Cancer Research, 2007, 67, 8149-8155.	0.4	104
45	Intestinal Subepithelial Myofibroblasts Support the Growth of Intestinal Epithelial Stem Cells. PLoS ONE, 2014, 9, e84651.	1.1	91
46	Overcoming Wntâ€"Î²-catenin dependent anticancer therapy resistance in leukaemia stem cells. Nature Cell Biology, 2020, 22, 689-700.	4.6	89
47	Cadherin-Based Adhesion Is a Potential Target for Niche Manipulation to Protect Hematopoietic Stem Cells in Adult Bone Marrow. Cell Stem Cell, 2010, 6, 194-198.	5.2	86
48	Stem cells and their niche: an inseparable relationship. Development (Cambridge), 2007, 134, 2001-2006.	1.2	85
49	The regulatory niche of intestinal stem cells. Journal of Physiology, 2016, 594, 4827-4836.	1.3	84
50	Brief report: CD24 and CD44 mark human intestinal epithelial cell populations with characteristics of active and facultative stem cells. Stem Cells, 2013, 31, 2024-2030.	1.4	81
51	Kit-Shp2-Kit signaling acts to maintain a functional hematopoietic stem and progenitor cell pool. Blood, 2011, 117, 5350-5361.	0.6	78
52	JAMâ€A regulates epithelial proliferation through Akt/Î²â€catenin signalling. EMBO Reports, 2011, 12, 314-320.	2.0	77
53	Brief Report: Dclk1 Deletion in Tuft Cells Results in Impaired Epithelial Repair After Radiation Injury. Stem Cells, 2014, 32, 822-827.	1.4	73
54	Hierarchy and Plasticity in the Intestinal Stem Cell Compartment. Trends in Cell Biology, 2017, 27, 753-764.	3.6	72

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55	FGF signaling facilitates postinjury recovery of mouse hematopoietic system. Blood, 2012, 120, 1831-1842.	0.6	69
56	Bridging the BMP and Wnt Pathways by PI3 Kinase/Akt and 14-3-3?. Cell Cycle, 2005, 4, 218-219.	1.3	64
57	Pharmacologically blocking p53-dependent apoptosis protects intestinal stem cells and mice from radiation. Scientific Reports, 2015, 5, 8566.	1.6	63
58	Disrupting the Stem Cell Niche: Good Seeds in Bad Soil. Cell, 2007, 129, 1045-1047.	13.5	62
59	MicroRNA programs in normal and aberrant stem and progenitor cells. Genome Research, 2011, 21, 798-810.	2.4	61
60	Mesalamine Inhibits Epithelial Î²-Catenin Activation in Chronic Ulcerative Colitis. Gastroenterology, 2010, 138, 595-605.e3.	0.6	55
61	Metabolic and molecular insights into an essential role of nicotinamide phosphoribosyltransferase. Cell Death and Disease, 2017, 8, e2705-e2705.	2.7	54
62	Molecular Cloning and Characterization of a Novel Regulator of G-protein Signaling from Mouse Hematopoietic Stem Cells. Journal of Biological Chemistry, 2001, 276, 915-923.	1.6	51
63	Cloning, Characterization, and the Complete 56.8-Kilobase DNA Sequence of the Human NOTCH4 Gene. Genomics, 1998, 51, 45-58.	1.3	48
64	CD133, Stem Cells, and Cancer Stem Cells: Myth or Reality?. Current Colorectal Cancer Reports, 2011, 7, 253-259.	1.0	33
65	Retinoid-Sensitive Epigenetic Regulation of the Hoxb Cluster Maintains Normal Hematopoiesis and Inhibits Leukemogenesis. Cell Stem Cell, 2018, 22, 740-754.e7.	5.2	33
66	Tumor-initiating stem cell shapes its microenvironment into an immunosuppressive barrier and pro-tumorigenic niche. Cell Reports, 2021, 36, 109674.	2.9	33
67	Cellular and Molecular Regulation of Hematopoietic and Intestinal Stem Cell Behavior. Annals of the New York Academy of Sciences, 2005, 1049, 28-38.	1.8	32
68	Shifting in Balance Between Osteogenesis and Adipogenesis Substantially Influences Hematopoiesis. Journal of Molecular Cell Biology, 2010, 2, 61-62.	1.5	32
69	Inhibition of Notch signaling reduces the number of surviving Dclk1⁺reserve crypt epithelial stem cells following radiation injury. American Journal of Physiology - Renal Physiology, 2014, 306, G404-G411.	1.6	32
70	Reply to Re-examination of P-PTEN staining patterns in the intestinal crypt. Nature Genetics, 2005, 37, 1017-1018.	9.4	31
71	Recent advances in understanding extrinsic control of hematopoietic stem cell fate. Current Opinion in Hematology, 2006, 13, 237-242.	1.2	31
72	A multicenter study to standardize reporting and analyses of fluorescence-activated cell-sorted murine intestinal epithelial cells. American Journal of Physiology - Renal Physiology, 2013, 305, G542-G551.	1.6	29

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73	Developmental Programming of Long Non-Coding RNAs during Postnatal Liver Maturation in Mice. PLoS ONE, 2014, 9, e114917.	1.1	25
74	Regulation of hematopoietic stem cells in the niche. Science China Life Sciences, 2015, 58, 1209-1215.	2.3	25
75	Dissecting the bone marrow HSC niches. Cell Research, 2016, 26, 975-976.	5.7	22
76	Beta-catenin cleavage enhances transcriptional activation. Scientific Reports, 2018, 8, 671.	1.6	22
77	Unraveling the molecular components and genetic blueprints of stem cells. BioTechniques, 2003, 35, 1233-1239.	0.8	20
78	Lack of VMP1 impairs hepatic lipoprotein secretion and promotes non-alcoholic steatohepatitis. Journal of Hepatology, 2022, 77, 619-631.	1.8	20
79	Characterization, Chromosomal Localization, and the Complete 30-kb DNA Sequence of the Human Jagged2 (JAG2) Gene. Genomics, 2000, 63, 133-138.	1.3	18
80	Inducible expression of <i>Runx2</i> results in multiorgan abnormalities in mice. Journal of Cellular Biochemistry, 2011, 112, 653-665.	1.2	18
81	Leucine-rich Repeat-containing G-protein-coupled Receptor 5 Marks Short-term Hematopoietic Stem and Progenitor Cells during Mouse Embryonic Development. Journal of Biological Chemistry, 2014, 289, 23809-23816.	1.6	17
82	Intestinal epithelial regeneration: active versus reserve stem cells and plasticity mechanisms. American Journal of Physiology - Renal Physiology, 2020, 318, G796-G802.	1.6	17
83	Finding the Hematopoietic Stem Cell Niche in the Placenta. Developmental Cell, 2005, 8, 297-298.	3.1	16
84	Immune-mediated signaling in intestinal goblet cells via PI3-kinase- and AKT-dependent pathways. American Journal of Physiology - Renal Physiology, 2008, 295, G1122-G1130.	1.6	15
85	The Wave2 scaffold Hem-1 is required for transition of fetal liver hematopoiesis to bone marrow. Nature Communications, 2018, 9, 2377.	5.8	15
86	Self-renewal versus transformation: Fbxw7 deletion leads to stem cell activation and leukemogenesis: Figure 1.. Genes and Development, 2008, 22, 1107-1109.	2.7	14
87	Functional Assays for Hematopoietic Stem Cell Self-Renewal. Methods in Molecular Biology, 2010, 636, 45-54.	0.4	13
88	Abnormal Wnt signaling and stem cell activation in reactive lymphoid tissue and low-grade marginal zone lymphoma. Leukemia and Lymphoma, 2010, 51, 906-910.	0.6	13
89	Hematopoietic stem cells: self-renewal and expansion. Current Opinion in Hematology, 2019, 26, 258-265.	1.2	13
90	Sterile and disposable fluidic subsystem suitable for clinical high speed fluorescence-activated cell sorting. Cytometry Part B - Clinical Cytometry, 2006, 70B, 344-354.	0.7	12

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91	Î²-Catenin and Associated Proteins Regulate Lineage Differentiation in Ground State Mouse Embryonic Stem Cells. Stem Cell Reports, 2020, 15, 662-676.	2.3	11
92	Myo-inositol reduces Î²-catenin activation in colitis. World Journal of Gastroenterology, 2017, 23, 5115.	1.4	10
93	Observation of two separate bipolar spindles in the human zygote. Journal of Assisted Reproduction and Genetics, 2019, 36, 601-602.	1.2	9
94	Osteoblast ablation burns out functional stem cells. Blood, 2015, 125, 2590-2591.	0.6	8
95	A Cytosolic Multiprotein Complex Containing p85Î± Is Required for Î²-Catenin Activation in Colitis and Colitis-associated Cancer. Journal of Biological Chemistry, 2016, 291, 4166-4177.	1.6	8
96	HSC mobilization: new incites and insights. Blood, 2009, 114, 1283-1284.	0.6	7
97	Radiofrequency Ablation for Dysplasia in Barrettâ€™s Esophagus Restores Î²-Catenin Activation Within Esophageal Progenitor Cells. Digestive Diseases and Sciences, 2012, 57, 294-302.	1.1	7
98	Recent advances in understanding intestinal stem cell regulation. F1000Research, 2019, 8, 72.	0.8	7
99	Stem Cells Matter in Response to Fasting. Cell Reports, 2015, 13, 2325-2326.	2.9	5
100	Homing and Migration Assays of Hematopoietic Stem/Progenitor Cells. Methods in Molecular Biology, 2014, 1185, 279-284.	0.4	5
101	Fountain of Youth: aged blood-forming stem cells could be rejuvenated by young microenvironment. Cell Research, 2010, 20, 504-505.	5.7	4
102	To be or not to be a stem cell: dissection of cellular and molecular components of haematopoietic stem cell niches. EMBO Journal, 2012, 31, 1060-1061.	3.5	4
103	p53 and Î²-Catenin Expression Predict Poorer Prognosis in Patients With Anaplastic Large-Cell Lymphoma. Clinical Lymphoma, Myeloma and Leukemia, 2019, 19, e385-e392.	0.2	4
104	Does 'Immortal DNA strand' exist in 'immortal' stem cells?. Cell Research, 2007, 17, 834-835.	5.7	3
105	Atlas of the human intestine. Journal of Experimental Medicine, 2020, 217, .	4.2	3
106	Amino Acid Transporter X Is Required for Hematopoietic Stem Cell Maintenance through Regulating Specific Amino Acids Level. Blood, 2015, 126, 1166-1166.	0.6	3
107	An in vitro assay for clonogenic, highâ€throughput analysis of intestinal stem cells. FASEB Journal, 2012, 26, 1160.1.	0.2	3
108	Some facts about Ye Shiwen's swim. Nature, 2012, 488, 459-459.	13.7	2

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109	Resistance To Chemotherapy In Leukemia Cells Grown On An Extracellular Matrix-Based Leukemia Model Derived From Whartonâ€™s Jelly. Blood, 2013, 122, 1388-1388.	0.6	2
110	Wnt/Î²-catenin and Pten/Akt Signaling Interaction Drives Hematopoietic Stem Cell Self-Renewal and Leukemogenesis.. Blood, 2008, 112, 1392-1392.	0.6	2
111	Long noncoding RNAs and transcription of cytochrome P450s in mouse liver during maturation. FASEB Journal, 2013, 27, 1102.7.	0.2	2
112	Chemoresistant Leukemia-Initiating Cell Expansion Is Inhibited By Targeting Oncogenic Self-Renewal. Blood, 2015, 126, 1860-1860.	0.6	2
113	Visualize eHPCs in different zones. Blood, 2009, 114, 230-231.	0.6	1
114	Heterogeneity, Self-Renewal, and Differentiation of Hematopoietic Stem Cells. Stem Cells International, 2012, 2012, 1-2.	1.2	1
115	402 Isolation and Characterization of Intestinal Stem Cells Using Combinatorial Surface Markers and Robust Clonal Assay. Gastroenterology, 2013, 144, S-78.	0.6	1
116	Niche cells rewired to maintain HSCs ex vivo. Nature Cell Biology, 2019, 21, 540-541.	4.6	1
117	Overcoming resistance to immunotherapy by teaching old drugs new tricks. Molecular and Cellular Oncology, 2020, 7, 1801088.	0.3	1
118	Abstract LB-254: Efficiently targeting cancer stem cells requires tactical activation from their dormant state and subsequent exhaustion. , 2010, , .		1
119	N-cadherin Expression Level Distinguishes Reserved Versus Primed States of Hematopoietic Stem Cells.. Blood, 2007, 110, 1268-1268.	0.6	1
120	The Imprinted Dlk1-Gtl2 Locus Epigenetically Regulates Primitive Hematopoietic Stem Cell Mitochondrial Function and Energy Metabolism Via Repression of PI3K/Akt/mTOR Pathway. Blood, 2014, 124, 243-243.	0.6	1
121	Long-Term Clearance of Senescent Cells Prevents the Hematopoietic Stem Cell Aging in Naturally Aged Mice. Blood, 2019, 134, 1204-1204.	0.6	1
122	PTEN in Hematopoietic and Intestinal Stem Cells and Cancer. , 2009, , 59-73.		0
123	MAPing the Role of Kras Mutations in Hyperplastic Polyps. Gastroenterology, 2011, 141, 799-801.	0.6	0
124	Bone Metastasis Targets The Endosteal Hematopoietic Stem Cell Niche. IBMS BoneKEy, 2011, 8, 381-384.	0.1	0
125	Mo2086 Characterizing Intestinal Stem Cells Using Robust Clonal Assay and Surface Markers. Gastroenterology, 2012, 143, e27.	0.6	0
126	Su1729 Targeting Both Active and Quiescent Cancer (stem) Cells Using Combined Therapy. Gastroenterology, 2013, 144, S-462.	0.6	0

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127	The hematopoietic stem cell niche. , 0, , 80-88.		0
128	Comprehensive analyses of hematopoietic stem cell niches. Experimental Hematology, 2014, 42, S8.	0.2	0
129	202 Intestinal Region-Specific Pattern Is Borne and Maintained Within the Intestinal Stem Cells. Gastroenterology, 2014, 146, S-52-S-53.	0.6	0
130	Single-cell RNA-seq technology lends a hand into HSC ontogeny. Science China Life Sciences, 2016, 59, 977-978.	2.3	0
131	Regulation of Hematopoietic Stem Cell Dynamics by Molecular Niche Signaling. , 2017, , 51-61.		0
132	The Regulation of Reserve Hematopoietic Stem Cells by N-Cadherin Expressing Mesenchymal Stem Cells in Bone Marrow Niche. Experimental Hematology, 2018, 64, S27-S28.	0.2	0
133	822 - Differential Requirements for Epithelial Mitochondrial Respiration in Ulcer Healing. Gastroenterology, 2018, 154, S-170.	0.6	0
134	Hematopoietic stem cells. , 2020, , 757-764.		0
135	Novel Function of FGFR1 in Hematopoietic Stem Cell Stress Response.. Blood, 2007, 110, 2200-2200.	0.6	0
136	Detection of Functional Hematopoietic Stem Cell Niche Using Real-Time Imaging. Blood, 2008, 112, 550-550.	0.6	0
137	Coordinated Regulation of Embryonic and Adult Hematopoietic Stem Cell Activity by PTPN11/Shp2.. Blood, 2010, 116, 2630-2630.	0.6	0
138	A 3-Dimensional Co-Culture Model to Investigate Adhesion-Mediated Drug Resistance in Multiple Myeloma. Blood, 2012, 120, 1826-1826.	0.6	0
139	Noncanonical Wnt Signaling Maintains Hematopoietic Stem Cells in Different Zones. Blood, 2012, 120, 639-639.	0.6	0
140	Hyperbaric Oxygen Therapy Improves Post-Transplant Umbilical Cord Blood Engraftment. Blood, 2012, 120, 4663-4663.	0.6	0
141	Metabolic Activity Distinguish Reserve and Primed HSCs. Blood, 2014, 124, 2898-2898.	0.6	0
142	A Conserved Cis-Regulatory Retinoic Acid Responsive Element Is Essential for Maintenance of Primitive Hematopoietic Stem Cells through Regulation of Hoxb Cluster. Blood, 2015, 126, 2377-2377.	0.6	0
143	The Methylation-Sensitive Enhancer Derare Maintains Hematopoietic Stem Cells through Regulation of Hoxb Cluster. Blood, 2016, 128, 725-725.	0.6	0
144	Abstract PR06: PTEN-mTOR pathway serves as a guardian of ribosomal DNA. , 2017, , .		0

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145	In Situ Hematopoietic Stem Cell Imaging. Methods in Molecular Biology, 2021, 2185, 373-382.	0.4	0
146	Using Spatial Transcriptomics to Reveal Fetal Liver Hematopoietic Stem Cell-Niche Interactions. Blood, 2021, 138, 3284-3284.	0.6	0
147	YTHDF3 as a new player in hematopoietic stem cell regulation. Haematologica, 2022, , .	1.7	0