

Mingyao Liu

List of Publications by Year in descending order

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195
papers

6,530
citations

71102

41
h-index

102487

66
g-index

200
all docs

200
docs citations

200
times ranked

10475
citing authors

#	ARTICLE	IF	CITATIONS
1	LGR4 is a receptor for RANKL and negatively regulates osteoclast differentiation and bone resorption. <i>Nature Medicine</i> , 2016, 22, 539-546.	30.7	278
2	Preparation of copper-containing bioactive glass/eggshell membrane nanocomposites for improving angiogenesis, antibacterial activity and wound healing. <i>Acta Biomaterialia</i> , 2016, 36, 254-266.	8.3	250
3	Single-cell analysis reveals transcriptomic remodellings in distinct cell types that contribute to human prostate cancer progression. <i>Nature Cell Biology</i> , 2021, 23, 87-98.	10.3	209
4	Suppression of the SLC7A11/glutathione axis causes synthetic lethality in KRAS-mutant lung adenocarcinoma. <i>Journal of Clinical Investigation</i> , 2020, 130, 1752-1766.	8.2	200
5	Electrospun Micropatterned Nanocomposites Incorporated with Cu ₂ S Nanoflowers for Skin Tumor Therapy and Wound Healing. <i>ACS Nano</i> , 2017, 11, 11337-11349.	14.6	191
6	CRISPR/Cas-mediated genome editing in the rat via direct injection of one-cell embryos. <i>Nature Protocols</i> , 2014, 9, 2493-2512.	12.0	184
7	Dual base editor catalyzes both cytosine and adenine base conversions in human cells. <i>Nature Biotechnology</i> , 2020, 38, 856-860.	17.5	165
8	3D printing of biomaterials with mussel-inspired nanostructures for tumor therapy and tissue regeneration. <i>Biomaterials</i> , 2016, 111, 138-148.	11.4	151
9	CRISPR/Cas9-mediated somatic correction of a novel coagulator factor IX gene mutation ameliorates hemophilia in mouse. <i>EMBO Molecular Medicine</i> , 2016, 8, 477-488.	6.9	144
10	A conductive bioceramic/polymer composite biomaterial for diabetic wound healing. <i>Acta Biomaterialia</i> , 2017, 60, 128-143.	8.3	135
11	Inhibition of Rspo-Lgr4 Facilitates Checkpoint Blockade Therapy by Switching Macrophage Polarization. <i>Cancer Research</i> , 2018, 78, 4929-4942.	0.9	115
12	The Ubiquitination of RagA GTPase by RNF152 Negatively Regulates mTORC1 Activation. <i>Molecular Cell</i> , 2015, 58, 804-818.	9.7	106
13	Large genomic fragment deletion and functional gene cassette knock-in via Cas9 protein mediated genome editing in one-cell rodent embryos. <i>Scientific Reports</i> , 2015, 5, 17517.	3.3	79
14	Hyperlipidemia induces typical atherosclerosis development in Ldlr and Apoe deficient rats. <i>Atherosclerosis</i> , 2018, 271, 26-35.	0.8	78
15	Ailanthone targets p23 to overcome MDV3100 resistance in castration-resistant prostate cancer. <i>Nature Communications</i> , 2016, 7, 13122.	12.8	76
16	Suppression of KRas-mutant cancer through the combined inhibition of KRAS with PLK1 and ROCK. <i>Nature Communications</i> , 2016, 7, 11363.	12.8	74
17	Proteome-Scale Investigation of Protein Allosteric Regulation Perturbed by Somatic Mutations in 7,000 Cancer Genomes. <i>American Journal of Human Genetics</i> , 2017, 100, 5-20.	6.2	72
18	Increasing the efficiency and targeting range of cytidine base editors through fusion of a single-stranded DNA-binding protein domain. <i>Nature Cell Biology</i> , 2020, 22, 740-750.	10.3	69

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19	Increasing targeting scope of adenosine base editors in mouse and rat embryos through fusion of TadA deaminase with Cas9 variants. <i>Protein and Cell</i> , 2018, 9, 814-819.	11.0	68
20	Virus-Triggered ATP Release Limits Viral Replication through Facilitating IFN- β Production in a P2X7-Dependent Manner. <i>Journal of Immunology</i> , 2017, 199, 1372-1381.	0.8	67
21	A Self-restricted CRISPR System to Reduce Off-target Effects. <i>Molecular Therapy</i> , 2016, 24, 1508-1510.	8.2	66
22	Gq activity- and β -arrestin-1 scaffolding-mediated ADGRG2/CFTR coupling are required for male fertility. <i>ELife</i> , 2018, 7, .	6.0	66
23	Pharmacological inhibition of dihydroorotate dehydrogenase induces apoptosis and differentiation in acute myeloid leukemia cells. <i>Haematologica</i> , 2018, 103, 1472-1483.	3.5	66
24	Lycorine is a novel inhibitor of the growth and metastasis of hormone-refractory prostate cancer. <i>Oncotarget</i> , 2015, 6, 15348-15361.	1.8	66
25	Inhibitory effects of celastrol on rat liver cytochrome P450 1A2, 2C11, 2D6, 2E1 and 3A2 activity. <i>F\ddot{A}-totherap\ddot{A}-$\ddot{A}$$\ddot{C}$</i> , 2014, 92, 1-8.	2.2	62
26	Lgr4 Governs a Pro-Inflammatory Program in Macrophages to Antagonize Post-Infarction Cardiac Repair. <i>Circulation Research</i> , 2020, 127, 953-973.	4.5	62
27	Differential Requirement of the Extracellular Domain in Activation of Class B G Protein-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2016, 291, 15119-15130.	3.4	61
28	Reprogramming immunosuppressive myeloid cells facilitates immunotherapy for colorectal cancer. <i>EMBO Molecular Medicine</i> , 2021, 13, e12798.	6.9	59
29	The role of GPCRs in bone diseases and dysfunctions. <i>Bone Research</i> , 2019, 7, 19.	11.4	58
30	Extracellular UDP and P2Y6 Function as a Danger Signal To Protect Mice from Vesicular Stomatitis Virus Infection through an Increase in IFN- β Production. <i>Journal of Immunology</i> , 2014, 193, 4515-4526.	0.8	57
31	Heritable expansion of the genetic code in mouse and zebrafish. <i>Cell Research</i> , 2017, 27, 294-297.	12.0	57
32	Reactivation of β -globin expression through Cas9 or base editor to treat β -hemoglobinopathies. <i>Cell Research</i> , 2020, 30, 276-278.	12.0	57
33	LGR4 modulates breast cancer initiation, metastasis, and cancer stem cells. <i>FASEB Journal</i> , 2018, 32, 2422-2437.	0.5	55
34	A small molecule targeting myoferlin exerts promising anti-tumor effects on breast cancer. <i>Nature Communications</i> , 2018, 9, 3726.	12.8	53
35	In vivo target protein degradation induced by PROTACs based on E3 ligase DCAF15. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 129.	17.1	53
36	Toll-Like Receptor-Triggered Calcium Mobilization Protects Mice against Bacterial Infection through Extracellular ATP Release. <i>Infection and Immunity</i> , 2014, 82, 5076-5085.	2.2	52

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37	Repurposing sertraline sensitizes non-small cell lung cancer cells to erlotinib by inducing autophagy. <i>JCI Insight</i> , 2018, 3, .	5.0	51
38	GPR126 Protein Regulates Developmental and Pathological Angiogenesis through Modulation of VEGFR2 Receptor Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 34871-34885.	3.4	50
39	The interferon stimulated gene 20 protein (ISG20) is an innate defense antiviral factor that discriminates self versus non-self translation. <i>PLoS Pathogens</i> , 2019, 15, e1008093.	4.7	50
40	Oridonin Inhibits Tumor Growth and Metastasis through Anti-Angiogenesis by Blocking the Notch Signaling. <i>PLoS ONE</i> , 2014, 9, e113830.	2.5	49
41	Cas9-nickase-mediated genome editing corrects hereditary tyrosinemia in rats. <i>Journal of Biological Chemistry</i> , 2018, 293, 6883-6892.	3.4	44
42	Characterization of novel cytochrome P450 2E1 knockout rat model generated by CRISPR/Cas9. <i>Biochemical Pharmacology</i> , 2016, 105, 80-90.	4.4	43
43	Dual Targeting of Bile Acid Receptor-1 (TGR5) and Farnesoid X Receptor (FXR) Prevents Estrogen-Dependent Bone Loss in Mice. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 765-776.	2.8	43
44	Targeting STAT3 by a small molecule suppresses pancreatic cancer progression. <i>Oncogene</i> , 2021, 40, 1440-1457.	5.9	43
45	Optimization of 2-(3-(arylalkyl amino carbonyl) phenyl)-3-(2-methoxyphenyl)-4-thiazolidinone derivatives as potent antitumor growth and metastasis agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 80, 340-351.	5.5	41
46	CRISPR knockout rat cytochrome P450 3A1/2 model for advancing drug metabolism and pharmacokinetics research. <i>Scientific Reports</i> , 2017, 7, 42922.	3.3	41
47	Characterization and optimization of production of bacterial cellulose from strain CGMCC 17276 based on whole-genome analysis. <i>Carbohydrate Polymers</i> , 2020, 232, 115788.	10.2	41
48	Co-Expression of IL-7 Improves NKG2D-Based CAR T Cell Therapy on Prostate Cancer by Enhancing the Expansion and Inhibiting the Apoptosis and Exhaustion. <i>Cancers</i> , 2020, 12, 1969.	3.7	41
49	PGE2 activates EP4 in subchondral bone osteoclasts to regulate osteoarthritis. <i>Bone Research</i> , 2022, 10, 27.	11.4	40
50	Inhibition of Osteoclastogenesis and Bone Resorption in vitro and in vivo by a prenylflavonoid xanthohumol from hops. <i>Scientific Reports</i> , 2015, 5, 17605.	3.3	38
51	Repression of Mammalian Target of Rapamycin Complex 1 Inhibits Intestinal Regeneration in Acute Inflammatory Bowel Disease Models. <i>Journal of Immunology</i> , 2015, 195, 339-346.	0.8	37
52	Inhibiting cytoplasmic accumulation of HuR synergizes genotoxic agents in urothelial carcinoma of the bladder. <i>Oncotarget</i> , 2016, 7, 45249-45262.	1.8	37
53	Antitumor Action of a Novel Histone Deacetylase Inhibitor, YF479, in Breast Cancer. <i>Neoplasia</i> , 2014, 16, 665-677.	5.3	35
54	Â-Lapachone Induces NAD(P)H:Quinone Oxidoreductase-1- and Oxidative Stress-Dependent Heat Shock Protein 90 Cleavage and Inhibits Tumor Growth and Angiogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 357, 466-475.	2.5	35

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55	Blocking P2X7-Mediated Macrophage Polarization Overcomes Treatment Resistance in Lung Cancer. <i>Cancer Immunology Research</i> , 2020, 8, 1426-1439.	3.4	35
56	Elevation of GPRC5A expression in colorectal cancer promotes tumor progression through VNN1-induced oxidative stress. <i>International Journal of Cancer</i> , 2017, 140, 2734-2747.	5.1	34
57	Inhibition of histone deacetylases sensitizes EGF receptor- TK inhibitor-resistant non-small-cell lung cancer cells to erlotinib <i>in vitro</i> and <i>in vivo</i> . <i>British Journal of Pharmacology</i> , 2017, 174, 3608-3622.	5.4	34
58	Targeting Pyruvate Carboxylase by a Small Molecule Suppresses Breast Cancer Progression. <i>Advanced Science</i> , 2020, 7, 1903483.	11.2	33
59	Discovery and Characterization of 1 <i>H</i> -1,2,3-Triazole Derivatives as Novel Prostanoid EP4 Receptor Antagonists for Cancer Immunotherapy. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 569-590.	6.4	32
60	Evaluation of the inhibition potential of plumbagin against cytochrome P450 using LC-MS/MS and cocktail approach. <i>Scientific Reports</i> , 2016, 6, 28482.	3.3	31
61	TLR-Activated Gap Junction Channels Protect Mice against Bacterial Infection through Extracellular UDP Release. <i>Journal of Immunology</i> , 2016, 196, 1790-1798.	0.8	30
62	Drug Repurposing of Histone Deacetylase Inhibitors That Alleviate Neutrophilic Inflammation in Acute Lung Injury and Idiopathic Pulmonary Fibrosis via Inhibiting Leukotriene A4 Hydrolase and Blocking LT _{B4} Biosynthesis. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1817-1828.	6.4	30
63	RSPO2 and RANKL signal through LGR4 to regulate osteoclastic premetastatic niche formation and bone metastasis. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	30
64	Efficient liver repopulation of transplanted hepatocyte prevents cirrhosis in a rat model of hereditary tyrosinemia type I. <i>Scientific Reports</i> , 2016, 6, 31460.	3.3	29
65	Assessment of the inhibition risk of shikonin on cytochrome P450 via cocktail inhibition assay. <i>Toxicology Letters</i> , 2017, 281, 74-83.	0.8	29
66	PKA turnover by the REG γ -proteasome modulates FoxO1 cellular activity and VEGF-induced angiogenesis. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 28-38.	1.9	28
67	Quantitative and systems pharmacology 2. In silico polypharmacology of G protein-coupled receptor ligands via network-based approaches. <i>Pharmacological Research</i> , 2018, 129, 400-413.	7.1	28
68	CRISPR/Cas9 system: a powerful technology for in vivo and ex vivo gene therapy. <i>Science China Life Sciences</i> , 2017, 60, 468-475.	4.9	27
69	Extracellular ADP facilitates monocyte recruitment in bacterial infection via ERK signaling. <i>Cellular and Molecular Immunology</i> , 2018, 15, 58-73.	10.5	27
70	Modification and Biological Evaluation of a Series of 1,5-Diaryl-1,2,4-triazole Compounds as Novel Agents against Pancreatic Cancer Metastasis through Targeting Myoferlin. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4949-4966.	6.4	27
71	BCL6 confers KRAS-mutant non-small-cell lung cancer resistance to BET inhibitors. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	27
72	Metabolite-Sensing G Protein Coupled Receptor TGR5 Protects Host From Viral Infection Through Amplifying Type I Interferon Responses. <i>Frontiers in Immunology</i> , 2018, 9, 2289.	4.8	26

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73	Diet-induced obese alters the expression and function of hepatic drug-metabolizing enzymes and transporters in rats. <i>Biochemical Pharmacology</i> , 2019, 164, 368-376.	4.4	26
74	Lgr4 is crucial for skin carcinogenesis by regulating MEK/ERK and Wnt/ β^2 -catenin signaling pathways. <i>Cancer Letters</i> , 2016, 383, 161-170.	7.2	25
75	Kisspeptin/GPR54 signaling restricts antiviral innate immune response through regulating calcineurin phosphatase activity. <i>Science Advances</i> , 2018, 4, eaas9784.	10.3	25
76	Loss of <i>Lgr4</i> inhibits differentiation, migration and apoptosis, and promotes proliferation in bone mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 10855-10867.	4.1	25
77	Single-Cell Analysis Reveals EP4 as a Target for Restoring T-Cell Infiltration and Sensitizing Prostate Cancer to Immunotherapy. <i>Clinical Cancer Research</i> , 2022, 28, 552-567.	7.0	25
78	Inhibition of HDACs-EphA2 Signaling Axis with WW437 Demonstrates Promising Preclinical Antitumor Activity in Breast Cancer. <i>EBioMedicine</i> , 2018, 31, 276-286.	6.1	24
79	Celastrol is a novel selective agonist of cannabinoid receptor 2 with anti-inflammatory and anti-fibrotic activity in a mouse model of systemic sclerosis. <i>Phytomedicine</i> , 2020, 67, 153160.	5.3	24
80	Amelioration of an Inherited Metabolic Liver Disease through Creation of a De Novo Start Codon by Cytidine Base Editing. <i>Molecular Therapy</i> , 2020, 28, 1673-1683.	8.2	24
81	Regulation of body length and bone mass by Gpr126/Adgrg6. <i>Science Advances</i> , 2020, 6, eaaz0368.	10.3	24
82	A novel BMI-1 inhibitor QW24 for the treatment of stem-like colorectal cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 422.	8.6	23
83	Characterization of organic anion transporting polypeptide 1b2 knockout rats generated by CRISPR/Cas9: a novel model for drug transport and hyperbilirubinemia disease. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 850-860.	12.0	23
84	Crystal Structure of LGR4-Rspo1 Complex. <i>Journal of Biological Chemistry</i> , 2015, 290, 2455-2465.	3.4	22
85	Design and optimization of hybrid of 2,4-diaminopyrimidine and arylthiazole scaffold as anticancer cell proliferation and migration agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 96, 269-280.	5.5	22
86	The Antiparasitic Drug, Potassium Antimony Tartrate, Inhibits Tumor Angiogenesis and Tumor Growth in Non-small-Cell Lung Cancer. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 352, 129-138.	2.5	22
87	Prevention of Muscle Wasting by CRISPR/Cas9-mediated Disruption of Myostatin In Vivo. <i>Molecular Therapy</i> , 2016, 24, 1889-1891.	8.2	22
88	Linifanib (ABT-869) Potentiates the Efficacy of Chemotherapeutic Agents through the Suppression of Receptor Tyrosine Kinase-Mediated AKT/mTOR Signaling Pathways in Gastric Cancer. <i>Scientific Reports</i> , 2016, 6, 29382.	3.3	22
89	IFN-stimulated P2Y13 protects mice from viral infection by suppressing the cAMP/EPAC1 signaling pathway. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 395-407.	3.3	22
90	Development and Characterization of MDR1 (<i>Mdr1a/b</i>) CRISPR/Cas9 Knockout Rat Model. <i>Drug Metabolism and Disposition</i> , 2019, 47, 71-79.	3.3	22

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91	Synthesis and Biological Evaluation of B-Cell Lymphoma 6 Inhibitors of <i>N</i> -Phenyl-4-pyrimidinamine Derivatives Bearing Potent Activities against Tumor Growth. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 676-695.	6.4	22
92	CD19-CAR-T Cells Bearing a KIR/PD-1-Based Inhibitory CAR Eradicate CD19+HLA-C1 ⁺ Malignant B Cells While Sparing CD19+HLA-C1 ⁺ Healthy B Cells. <i>Cancers</i> , 2020, 12, 2612.	3.7	22
93	Investigation of cytochrome P450 inhibitory properties of maslinic acid, a bioactive compound from <i>Olea europaea</i> L., and its structure-activity relationship. <i>Phytomedicine</i> , 2015, 22, 56-65.	5.3	21
94	A Novel Model of Glycoprotein Inhibitor Screening Using Human Small Intestinal Organoids. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 120, 250-255.	2.5	21
95	Gpr97 is dispensable for metabolic syndrome but is involved in macrophage inflammation in high-fat diet-induced obesity in mice. <i>Scientific Reports</i> , 2016, 6, 24649.	3.3	20
96	Ailanthone: a new potential drug for castration-resistant prostate cancer. <i>Chinese Journal of Cancer</i> , 2017, 36, 25.	4.9	20
97	UHRF2 promotes intestinal tumorigenesis through stabilization of TCF4 mediated Wnt/β-catenin signaling. <i>International Journal of Cancer</i> , 2020, 147, 2239-2252.	5.1	20
98	Design, synthesis and evaluation of phenylthiazole and phenylthiophene pyrimidindiamine derivatives targeting the bacterial membrane. <i>European Journal of Medicinal Chemistry</i> , 2020, 190, 112141.	5.5	20
99	Leucine-rich repeat-containing G protein-coupled receptor 4 facilitates vesicular stomatitis virus infection by binding vesicular stomatitis virus glycoprotein. <i>Journal of Biological Chemistry</i> , 2017, 292, 16527-16538.	3.4	19
100	ADP/P2Y1 aggravates inflammatory bowel disease through ERK5-mediated NLRP3 inflammasome activation. <i>Mucosal Immunology</i> , 2020, 13, 931-945.	6.0	19
101	Bortezomib Inhibits Giant Cell Tumor of Bone through Induction of Cell Apoptosis and Inhibition of Osteoclast Recruitment, Giant Cell Formation, and Bone Resorption. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 854-865.	4.1	17
102	A hybrid of thiazolidinone with the hydroxamate scaffold for developing novel histone deacetylase inhibitors with antitumor activities. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1727-1735.	2.8	17
103	Design and optimization of the cocktail assay for rapid assessment of the activity of UGT enzymes in human and rat liver microsomes. <i>Toxicology Letters</i> , 2018, 295, 379-389.	0.8	17
104	ERK/MAPK signaling is essential for intestinal development through Wnt pathway modulation. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	17
105	A Novel TGR5 Activator WB403 Promotes GLP-1 Secretion and Preserves Pancreatic β-Cells in Type 2 Diabetic Mice. <i>PLoS ONE</i> , 2015, 10, e0134051.	2.5	16
106	A betulinic acid derivative SH479 inhibits collagen-induced arthritis by modulating T cell differentiation and cytokine balance. <i>Biochemical Pharmacology</i> , 2017, 126, 69-78.	4.4	16
107	A novel biosensor based on intestinal 3D organoids for detecting the function of BCRP. <i>Drug Delivery</i> , 2017, 24, 1453-1459.	5.7	16
108	Kisspeptin Receptor GPR54 Promotes Adipocyte Differentiation and Fat Accumulation in Mice. <i>Frontiers in Physiology</i> , 2018, 9, 209.	2.8	16

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109	Enhanced genome editing to ameliorate a genetic metabolic liver disease through co-delivery of adeno-associated virus receptor. <i>Science China Life Sciences</i> , 2022, 65, 718-730.	4.9	16
110	KP-10/Gpr54 attenuates rheumatic arthritis through inactivating NF- κ B and MAPK signaling in macrophages. <i>Pharmacological Research</i> , 2021, 171, 105496.	7.1	16
111	Targeted Deletion of the Murine Lgr4 Gene Decreases Lens Epithelial Cell Resistance to Oxidative Stress and Induces Age-Related Cataract Formation. <i>PLoS ONE</i> , 2015, 10, e0119599.	2.5	15
112	Design, synthesis and anticancer activities of novel otobain derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 277-287.	2.8	15
113	Comprehensive assessment of Cucurbitacin E related hepatotoxicity and drug-drug interactions involving CYP3A and P-glycoprotein. <i>Phytomedicine</i> , 2017, 26, 1-10.	5.3	15
114	Cytochrome P450 3A selectively affects the pharmacokinetic interaction between erlotinib and docetaxel in rats. <i>Biochemical Pharmacology</i> , 2017, 143, 129-139.	4.4	15
115	Plant natural product plumbagin presents potent inhibitory effect on human cytochrome P450 2J2 enzyme. <i>Phytomedicine</i> , 2018, 39, 137-145.	5.3	15
116	GPR54 deficiency reduces the Treg population and aggravates experimental autoimmune encephalomyelitis in mice. <i>Science China Life Sciences</i> , 2018, 61, 675-687.	4.9	15
117	Regulatory role of Gpr84 in the switch of alveolar macrophages from CD11b ^{lo} to CD11b ^{hi} status during lung injury process. <i>Mucosal Immunology</i> , 2020, 13, 892-907.	6.0	15
118	Palmitoylated SCP1 is targeted to the plasma membrane and negatively regulates angiogenesis. <i>ELife</i> , 2017, 6, .	6.0	15
119	A novel prostaglandin E receptor 4 (EP4) small molecule antagonist induces articular cartilage regeneration. <i>Cell Discovery</i> , 2022, 8, 24.	6.7	15
120	Generation of Site-Specific Mutations in the Rat Genome Via CRISPR/Cas9. <i>Methods in Enzymology</i> , 2014, 546, 297-317.	1.0	14
121	Measurement of Rhodamine 123 in Three-dimensional Organoids: A Novel Model for Glycoprotein Inhibitor Screening. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 349-352.	2.5	14
122	The burgeoning role of cytochrome P450-mediated vitamin D metabolites against colorectal cancer. <i>Pharmacological Research</i> , 2018, 133, 9-20.	7.1	14
123	Efficient photoactivatable Dre recombinase for cell type-specific spatiotemporal control of genome engineering in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33426-33435.	7.1	14
124	Lgr4 Deletion Delays the Hair Cycle and Inhibits the Activation of Hair Follicle Stem Cells. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1706-1712.e4.	0.7	14
125	A potent and selective small molecule inhibitor of myoferlin attenuates colorectal cancer progression. <i>Clinical and Translational Medicine</i> , 2021, 11, e289.	4.0	14
126	Gpr48 Deficiency Induces Polycystic Kidney Lesions and Renal Fibrosis in Mice by Activating Wnt Signal Pathway. <i>PLoS ONE</i> , 2014, 9, e89835.	2.5	14

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127	Inhibition of breast cancer progression by a novel histone deacetylase inhibitor, <sc>LW</sc>479, by down®ulating <sc>EGFR</sc> expression. British Journal of Pharmacology, 2015, 172, 3817-3830.	5.4	13
128	The greedy nature of mutant RAS: a boon for drug discovery targeting cancer metabolism?. Acta Biochimica Et Biophysica Sinica, 2016, 48, 17-26.	2.0	13
129	Generation of obese rat model by transcription activator-like effector nucleases targeting the leptin receptor gene. Science China Life Sciences, 2017, 60, 152-157.	4.9	13
130	Synthesis of heterocyclic ring-fused tricyclic diterpene analogs as novel inhibitors of RANKL-induced osteoclastogenesis and bone resorption. European Journal of Medicinal Chemistry, 2017, 131, 48-67.	5.5	13
131	Preclinical toxicology and toxicokinetic evaluation of ailanthone, a natural product against castration-resistant prostate cancer, in mice. F&A-toterap&A-Å, 2019, 136, 104161.	2.2	13
132	Design, synthesis and evaluation of hybrid of tetrahydrocarbazole with 2,4-diaminopyrimidine scaffold as antibacterial agents. European Journal of Medicinal Chemistry, 2019, 162, 203-211.	5.5	13
133	Design, synthesis, and biological evaluation of indole-based hydroxamic acid derivatives as histone deacetylase inhibitors. European Journal of Medicinal Chemistry, 2022, 227, 113893.	5.5	13
134	Discovery of 2-Amino-3-cyanothiophene Derivatives as Potent STAT3 Inhibitors for the Treatment of Osteosarcoma Growth and Metastasis. Journal of Medicinal Chemistry, 2022, 65, 6710-6728.	6.4	13
135	New insights into the androgen biotransformation in prostate cancer: A regulatory network among androgen, androgen receptors and UGTs. Pharmacological Research, 2016, 106, 114-122.	7.1	12
136	A novel synthetic small molecule YF-452 inhibits tumor growth through antiangiogenesis by suppressing VEGF receptor 2 signaling. Science China Life Sciences, 2017, 60, 202-214.	4.9	12
137	Elimination of <sc>GPR</sc>146&mediated antiviral function through <sc>IRF</sc>3/<sc>HES</sc>1&signalling pathway. Immunology, 2017, 152, 102-114.	4.4	12
138	Defeat mutant <i>KRAS</i> with synthetic lethality. Small GTPases, 2017, 8, 212-219.	1.6	12
139	Generation and Characterization of Cytochrome P450 2J3/10 CRISPR/Cas9 Knockout Rat Model. Drug Metabolism and Disposition, 2020, 48, 1129-1136.	3.3	12
140	Regulation of humoral immune response by HIF-1&dependent metabolic reprogramming of the germinal center reaction. Cellular Immunology, 2021, 367, 104409.	3.0	12
141	Synthesis of Cyanoenone-Modified Diterpenoid Analogs as Novel Bmi-1-Mediated Antitumor Agents. ACS Medicinal Chemistry Letters, 2018, 9, 1105-1110.	2.8	11
142	Regression of castration-resistant prostate cancer by a novel compound QW07 targeting androgen receptor N-terminal domain. Cell Biology and Toxicology, 2020, 36, 399-416.	5.3	11
143	Lgr4 Protein Deficiency Induces Ataxia-like Phenotype in Mice and Impairs Long Term Depression at Cerebellar Parallel Fiber-Purkinje Cell Synapses. Journal of Biological Chemistry, 2014, 289, 26492-26504.	3.4	10
144	5-Fluorouracil blocked giant cell tumor progression by suppressing osteoclastogenesis through NF-kappaB signals and blocking angiogenesis. Bone, 2015, 78, 46-54.	2.9	10

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