Yang Shi

List of Publications by Year in descending order

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Version: 2024-02-01

134	20,311 citations	56	130
papers		h-index	g-index
140	140	140	27433
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Histone Demethylation Mediated by the Nuclear Amine Oxidase Homolog LSD1. Cell, 2004, 119, 941-953.	13.5	3,626
2	ApoE4 markedly exacerbates tau-mediated neurodegeneration in a mouse model of tauopathy. Nature, 2017, 549, 523-527.	13.7	852
3	Regulation of LSD1 Histone Demethylase Activity by Its Associated Factors. Molecular Cell, 2005, 19, 857-864.	4.5	779
4	A histone H3 lysine 27 demethylase regulates animal posterior development. Nature, 2007, 449, 689-694.	13.7	718
5	RNA m6A methylation regulates the ultraviolet-induced DNA damage response. Nature, 2017, 543, 573-576.	13.7	685
6	Zc3h13 Regulates Nuclear RNA m6A Methylation and Mouse Embryonic Stem Cell Self-Renewal. Molecular Cell, 2018, 69, 1028-1038.e6.	4.5	618
7	Dynamic Regulation of Histone Lysine Methylation by Demethylases. Molecular Cell, 2007, 25, 1-14.	4.5	608
8	DNA Methylation on N6-Adenine in C.Âelegans. Cell, 2015, 161, 868-878.	13.5	602
9	Food and metabolic signalling defects in a Caenorhabditis elegans serotonin-synthesis mutant. Nature, 2000, 403, 560-564.	13.7	573
10	TREM2-mediated early microglial response limits diffusion and toxicity of amyloid plaques. Journal of Experimental Medicine, 2016, 213, 667-675.	4.2	565
11	Histone lysine demethylases: emerging roles in development, physiology and disease. Nature Reviews Genetics, 2007, 8, 829-833.	7.7	527
12	LSD1 Ablation Stimulates Anti-tumor Immunity and Enables Checkpoint Blockade. Cell, 2018, 174, 549-563.e19.	13.5	473
13	Interplay between innate immunity and Alzheimer disease: APOE and TREM2 in the spotlight. Nature Reviews Immunology, 2018, 18, 759-772.	10.6	394
14	Recognition of unmethylated histone H3 lysine 4 links BHC80 to LSD1-mediated gene repression. Nature, 2007, 448, 718-722.	13.7	386
15	The Human Factors YY1 and LSF Repress the Human Immunodeficiency Virus Type 1 Long Terminal Repeat via Recruitment of Histone Deacetylase 1. Journal of Virology, 2000, 74, 6790-6799.	1.5	330
16	Glucose-regulated phosphorylation of TET2 by AMPK reveals a pathway linking diabetes to cancer. Nature, 2018, 559, 637-641.	13.7	327
17	Roles and regulation of histone methylation in animal development. Nature Reviews Molecular Cell Biology, 2019, 20, 625-641.	16.1	324
18	Combining Nanomedicine and Immunotherapy. Accounts of Chemical Research, 2019, 52, 1543-1554.	7.6	310

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19	Mammalian RNAi for the masses. Trends in Genetics, 2003, 19, 9-12.	2.9	283
20	N6-Methyladenosine methyltransferase ZCCHC4 mediates ribosomal RNA methylation. Nature Chemical Biology, 2019, 15, 88-94.	3.9	258
21	Supramolecular "Trojan Horse―for Nuclear Delivery of Dual Anticancer Drugs. Journal of the American Chemical Society, 2017, 139, 2876-2879.	6.6	253
22	The histone chaperone CAF-1 safeguards somatic cell identity. Nature, 2015, 528, 218-224.	13.7	244
23	Microglia drive APOE-dependent neurodegeneration in a tauopathy mouse model. Journal of Experimental Medicine, 2019, 216, 2546-2561.	4.2	244
24	Polycomb-like proteins link the PRC2 complex to CpG islands. Nature, 2017, 549, 287-291.	13.7	238
25	DNA N6-methyladenine: a new epigenetic mark in eukaryotes?. Nature Reviews Molecular Cell Biology, 2015, 16, 705-710.	16.1	228
26	A Specific LSD1/KDM1A Isoform Regulates Neuronal Differentiation through H3K9 Demethylation. Molecular Cell, 2015, 57, 957-970.	4. 5	221
27	BS69/ZMYND11 Reads and Connects Histone H3.3 Lysine 36 Trimethylation-Decorated Chromatin to Regulated Pre-mRNA Processing. Molecular Cell, 2014, 56, 298-310.	4.5	194
28	Pharmacological and physical vessel modulation strategies to improve EPR-mediated drug targeting to tumors. Advanced Drug Delivery Reviews, 2017, 119, 44-60.	6.6	194
29	METTL3 regulates heterochromatin in mouse embryonic stem cells. Nature, 2021, 591, 317-321.	13.7	187
30	Complete Regression of Xenograft Tumors upon Targeted Delivery of Paclitaxel <i>via</i> Î‑ΠStacking Stabilized Polymeric Micelles. ACS Nano, 2015, 9, 3740-3752.	7.3	185
31	\hat{a} €" $\hat{1}$ Stacking Increases the Stability and Loading Capacity of Thermosensitive Polymeric Micelles for Chemotherapeutic Drugs. Biomacromolecules, 2013, 14, 1826-1837.	2.6	183
32	PCIF1 Catalyzes m6Am mRNA Methylation to Regulate Gene Expression. Molecular Cell, 2019, 75, 620-630.e9.	4.5	178
33	Tumor-targeted nanomedicines for cancer theranostics. Pharmacological Research, 2017, 115, 87-95.	3.1	176
34	Suppression of Enhancer Overactivation by a RACK7-Histone Demethylase Complex. Cell, 2016, 165, 331-342.	13.5	163
35	Enhancing Tumor Penetration of Nanomedicines. Biomacromolecules, 2017, 18, 1449-1459.	2.6	157
36	The winding path of protein methylation research: milestones and new frontiers. Nature Reviews Molecular Cell Biology, 2017, 18, 517-527.	16.1	154

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37	A Chromatin-Dependent Role of the Fragile X Mental Retardation Protein FMRP in the DNA Damage Response. Cell, 2014, 157, 869-881.	13.5	151
38	A Histone Methylation Network Regulates Transgenerational Epigenetic Memory in C.Âelegans. Cell Reports, 2014, 7, 113-126.	2.9	146
39	Clinical application of polymeric micelles for the treatment of cancer. Materials Chemistry Frontiers, 2017, 1, 1485-1501.	3.2	133
40	Re-programing Chromatin with a Bifunctional LSD1/HDAC Inhibitor Induces Therapeutic Differentiation in DIPG. Cancer Cell, 2019, 36, 528-544.e10.	7.7	128
41	Cholesterol and matrisome pathways dysregulated in astrocytes and microglia. Cell, 2022, 185, 2213-2233.e25.	13.5	123
42	Sources of artifact in measurements of 6mA and 4mC abundance in eukaryotic genomic DNA. BMC Genomics, 2019, 20, 445.	1.2	120
43	Nanomedicine and macroscale materials in immuno-oncology. Chemical Society Reviews, 2019, 48, 351-381.	18.7	118
44	A Mouse Model of X-linked Intellectual Disability Associated with Impaired Removal of Histone Methylation. Cell Reports, 2016, 14, 1000-1009.	2.9	112
45	AKT methylation by SETDB1 promotes AKT kinase activity and oncogenic functions. Nature Cell Biology, 2019, 21, 226-237.	4.6	109
46	Decreased expression of the pro-apoptotic protein Par-4 in renal cell carcinoma. Oncogene, 1999, 18, 1205-1208.	2.6	108
47	C/EBPα Activates Pre-existing and De Novo Macrophage Enhancers during Induced Pre-B Cell Transdifferentiation and Myelopoiesis. Stem Cell Reports, 2015, 5, 232-247.	2.3	95
48	EPOP Interacts with Elongin BC and USP7 to Modulate the Chromatin Landscape. Molecular Cell, 2016, 64, 659-672.	4.5	91
49	Loss of Kdm5c Causes Spurious Transcription and Prevents the Fine-Tuning of Activity-Regulated Enhancers in Neurons. Cell Reports, 2017, 21, 47-59.	2.9	89
50	METTL4 is an snRNA m6Am methyltransferase that regulates RNA splicing. Cell Research, 2020, 30, 544-547.	5.7	84
51	JMJD1C is required for the survival of acute myeloid leukemia by functioning as a coactivator for key transcription factors. Genes and Development, 2015, 29, 2123-2139.	2.7	76
52	Naked Mole Rat Cells Have a Stable Epigenome that Resists iPSCÂReprogramming. Stem Cell Reports, 2017, 9, 1721-1734.	2.3	71
53	Metallodrugs in cancer nanomedicine. Chemical Society Reviews, 2022, 51, 2544-2582.	18.7	70
54	Mutations in the intellectual disability gene KDM5C reduce protein stability and demethylase activity. Human Molecular Genetics, 2015, 24, 2861-2872.	1.4	69

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55	Dynamic control of chromatin-associated m6A methylation regulates nascent RNA synthesis. Molecular Cell, 2022, 82, 1156-1168.e7.	4.5	69
56	Clinical Translation of Nanomedicine and Biomaterials for Cancer Immunotherapy: Progress and Perspectives. Advanced Therapeutics, 2020, 3, 1900215.	1.6	62
57	HPMA-based polymeric micelles for curcumin solubilization and inhibition of cancer cell growth. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 501-512.	2.0	61
58	PBCA-based polymeric microbubbles for molecular imaging and drug delivery. Journal of Controlled Release, 2017, 259, 128-135.	4.8	59
59	Histone Lysine Demethylase Inhibitors. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a026484.	2.9	57
60	Overexpressing low-density lipoprotein receptor reduces tau-associated neurodegeneration in relation to apoE-linked mechanisms. Neuron, 2021, 109, 2413-2426.e7.	3.8	57
61	Function for p300 and not CBP in the apoptotic response to DNA damage. Oncogene, 1999, 18, 5714-5717.	2.6	54
62	PTEN Methylation by NSD2 Controls Cellular Sensitivity to DNA Damage. Cancer Discovery, 2019, 9, 1306-1323.	7.7	54
63	Triggered Release of Doxorubicin from Temperature-Sensitive Poly(<i>N</i> -(2-hydroxypropyl)-methacrylamide mono/dilactate) Grafted Liposomes. Biomacromolecules, 2014, 15, 1002-1009.	2.6	52
64	A Glycyrrhetinic Acid-Modified Curcumin Supramolecular Hydrogel for liver tumor targeting therapy. Scientific Reports, 2017, 7, 44210.	1.6	52
65	Binding to m6A RNA promotes YTHDF2-mediated phase separation. Protein and Cell, 2020, 11, 304-307.	4.8	52
66	Degradable Ketal-Based Block Copolymer Nanoparticles for Anticancer Drug Delivery: A Systematic Evaluation. Biomacromolecules, 2015, 16, 336-350.	2.6	49
67	A primary role of TET proteins in establishment and maintenance of <i>De Novo </i> bivalency at CpG islands. Nucleic Acids Research, 2016, 44, 8682-8692.	6.5	49
68	Mutation of C. elegans demethylase spr-5 extends transgenerational longevity. Cell Research, 2016, 26, 229-238.	5.7	49
69	Nucleotide resolution profiling of m3C RNA modification by HAC-seq. Nucleic Acids Research, 2021, 49, e27-e27.	6.5	49
70	LSD1 inhibition sustains T cell invigoration with a durable response to PD-1 blockade. Nature Communications, 2021, 12, 6831.	5.8	46
71	Boosting Room Temperature Phosphorescence Performance by Alkyl Modification for Intravital Orthotopic Lung Tumor Imaging. Small, 2021, 17, e2005449.	5.2	41
72	Nono, a Bivalent Domain Factor, Regulates Erk Signaling and Mouse Embryonic Stem Cell Pluripotency. Cell Reports, 2016, 17, 997-1007.	2.9	40

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73	Reversible Addition–Fragmentation Chain Transfer Synthesis of a Micelle-Forming, Structure Reversible Thermosensitive Diblock Copolymer Based on the ⟨i⟩N⟨ i⟩-(2-Hydroxy propyl) Methacrylamide Backbone. ACS Macro Letters, 2013, 2, 403-408.	2.3	39
74	Mitotic regulators TPX2 and Aurora A protect DNA forks during replication stress by counteracting 53BP1 function. Journal of Cell Biology, 2019, 218, 422-432.	2.3	39
75	Simultaneous Inhibition of LSD1 and TGFβ Enables Eradication of Poorly Immunogenic Tumors with Anti–PD-1 Treatment. Cancer Discovery, 2021, 11, 1970-1981.	7.7	39
76	Control of a neuronal morphology program by an RNA-binding zinc finger protein, Unkempt. Genes and Development, 2015, 29, 501-512.	2.7	35
77	CG14906 (mettl4) mediates m6A methylation of U2 snRNA in Drosophila. Cell Discovery, 2020, 6, 44.	3.1	35
78	The human mitochondrial 12S rRNA m4C methyltransferase METTL15 is required for mitochondrial function. Journal of Biological Chemistry, 2020, 295, 8505-8513.	1.6	34
79	Evoking Highly Immunogenic Ferroptosis Aided by Intramolecular Motionâ€Induced Photoâ€Hyperthermia for Cancer Therapy. Advanced Science, 2022, 9, e2104885.	5.6	34
80	meCLICK-Seq, a Substrate-Hijacking and RNA Degradation Strategy for the Study of RNA Methylation. ACS Central Science, 2020, 6, 2196-2208.	5.3	31
81	Overexpression of C/EBP \hat{I}^2 Represses Human Papillomavirus Type 18 Upstream Regulatory Region Activity in HeLa Cells by Interfering with the Binding of TATA-Binding Protein. Journal of Virology, 1998, 72, 2113-2124.	1.5	31
82	Selective pericellular hydrogelation by the overexpression of an enzyme and a membrane receptor. Nanoscale, 2019, 11, 13714-13719.	2.8	30
83	The PRC2-associated factor C17orf96 is a novel CpG island regulator in mouse ES cells. Cell Discovery, 2015, 1, 15008.	3.1	28
84	Chromatin-state barriers enforce an irreversible mammalian cell fate decision. Cell Reports, 2021, 37, 109967.	2.9	28
85	Adenovirus E1B 19,000-Molecular-Weight Protein Activates c-Jun N-Terminal Kinase and c-Jun-Mediated Transcription. Molecular and Cellular Biology, 1998, 18, 4012-4022.	1.1	27
86	Anthracene functionalized thermosensitive and UV-crosslinkable polymeric micelles. Polymer Chemistry, 2015, 6, 2048-2053.	1.9	26
87	Histone H3.3 and cancer: A potential reader connection. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6814-6819.	3.3	25
88	RACK7 recognizes H3.3G34R mutation to suppress expression of MHC class II complex components and their delivery pathway in pediatric glioblastoma. Science Advances, 2020, 6, eaba2113.	4.7	25
89	Nono deficiency compromises TET1 chromatin association and impedes neuronal differentiation of mouse embryonic stem cells. Nucleic Acids Research, 2020, 48, 4827-4838.	6.5	24
90	Tandem Molecular Self-Assembly Selectively Inhibits Lung Cancer Cells by Inducing Endoplasmic Reticulum Stress. Research, 2019, 2019, 4803624.	2.8	24

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91	Recognition of distinct RNA motifs by the clustered CCCH zinc fingers of neuronal protein Unkempt. Nature Structural and Molecular Biology, 2016, 23, 16-23.	3.6	23
92	Analysis of m6A RNA methylation in Caenorhabditis elegans. Cell Discovery, 2020, 6, 47.	3.1	23
93	The SAM domain-containing protein 1 (SAMD1) acts as a repressive chromatin regulator at unmethylated CpG islands. Science Advances, 2021, 7, .	4.7	22
94	Bifunctional supramolecular nanofiber inhibits atherosclerosis by enhancing plaque stability and anti-inflammation in apoE ^{-/-} mice. Theranostics, 2020, 10, 10231-10244.	4.6	21
95	Purification, structural characterization and immunostimulatory activity of polysaccharides from Umbilicaria esculenta. International Journal of Biological Macromolecules, 2021, 181, 743-751.	3.6	21
96	STAG2 regulates interferon signaling in melanoma via enhancer loop reprogramming. Nature Communications, 2022, 13, 1859.	5.8	21
97	Azulene-Containing Squaraines for Photoacoustic Imaging and Photothermal Therapy. ACS Applied Materials & Samp; Interfaces, 2022, 14, 19192-19203.	4.0	20
98	Glutathione-Triggered Formation of a Fmoc-Protected Short Peptide-Based Supramolecular Hydrogel. PLoS ONE, 2014, 9, e106968.	1.1	18
99	Drug Loading in Poly(butyl cyanoacrylate)-Based Polymeric Microbubbles. Molecular Pharmaceutics, 2020, 17, 2840-2848.	2.3	18
100	PEG-pHPMAm-based polymeric micelles loaded with doxorubicin-prodrugs in combination antitumor therapy with oncolytic vaccinia viruses. Polymer Chemistry, 2014, 5, 1674-1681.	1.9	17
101	Fluorophore labeling of core-crosslinked polymeric micelles for multimodal <i>in vivo</i> and <i>ex vivo</i> optical imaging. Nanomedicine, 2015, 10, 1111-1125.	1.7	17
102	Histone Serotonylation: Can the Brain Have "Happy―Chromatin?. Molecular Cell, 2019, 74, 418-420.	4.5	17
103	Preorganization Increases the Self-Assembling Ability and Antitumor Efficacy of Peptide Nanomedicine. ACS Applied Materials & Samp; Interfaces, 2020, 12, 22492-22498.	4.0	17
104	Therapeutic and diagnostic targeting of fibrosis in metabolic, proliferative and viral disorders. Advanced Drug Delivery Reviews, 2021, 175, 113831.	6.6	17
105	<i>Äê–π</i> Stacking Induced Enhanced Molecular Solubilization, Singlet Oxygen Production, and Retention of a Photosensitizer Loaded in Thermosensitive Polymeric Micelles. Advanced Healthcare Materials, 2014, 3, 2023-2031.	3.9	16
106	Preorganization boosts the artificial esterase activity of a self-assembling peptide. Science China Chemistry, 2021, 64, 1554-1559.	4.2	15
107	H3K14me3 genomic distributions and its regulation by KDM4 family demethylases. Cell Research, 2018, 28, 1118-1120.	5.7	13
108	Enzyme-instructed self-assembly (EISA) assists the self-assembly and hydrogelation of hydrophobic peptides. Journal of Materials Chemistry B, 2022, 10, 3242-3247.	2.9	13

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109	A Transcription Factor Pulse Can Prime Chromatin for Heritable Transcriptional Memory. Molecular and Cellular Biology, 2017, 37, .	1.1	12
110	How substrate specificity is imposed on a histone demethylaseâ€"lessons from KDM2A. Genes and Development, 2014, 28, 1735-1738.	2.7	11
111	3,4,5-Triphenyl-1,2,4-triazole-based multifunctional n-type AlEgen. Science China Chemistry, 2017, 60, 635-641.	4.2	11
112	Lung-Resident Mesenchymal Stromal Cells Reveal Transcriptional Dynamics of Lung Development in Preterm Infants. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 961-964.	2.5	10
113	Nanomedicines Targeting Respiratory Injuries for Pulmonary Disease Management. Advanced Functional Materials, 2022, 32, .	7.8	9
114	Controlling the width of nanosheets by peptide length in peptoid–peptide biohybrid hydrogels. RSC Advances, 2016, 6, 67025-67028.	1.7	7
115	TET2 stabilization by 14-3-3 binding to the phosphorylated Serine 99 is deregulated by mutations in cancer. Cell Research, 2019, 29, 248-250.	5.7	7
116	New formula of 4-instant g-square finite difference (4lgSFD) applied to time-variant matrix inversion. , 2015, , .		6
117	Remodeling Your Way out of Cell Cycle. Cell, 2015, 162, 237-238.	13.5	5
118	Selective Targeting of Different Bromodomains by Small Molecules. Cancer Cell, 2020, 37, 764-766.	7.7	5
119	Chromatin and Epigenetics at the Forefront: Finding Clues among Peaks. Molecular and Cellular Biology, 2016, 36, 2432-2439.	1.1	4
119	Chromatin and Epigenetics at the Forefront: Finding Clues among Peaks. Molecular and Cellular Biology, 2016, 36, 2432-2439. Combined epigenetic and metabolic treatments overcome differentiation blockade in acute myeloid leukemia. IScience, 2021, 24, 102651.	1.1	4
	Biology, 2016, 36, 2432-2439. Combined epigenetic and metabolic treatments overcome differentiation blockade in acute myeloid		
120	Biology, 2016, 36, 2432-2439. Combined epigenetic and metabolic treatments overcome differentiation blockade in acute myeloid leukemia. IScience, 2021, 24, 102651. Tissue distribution and pulmonary targeting studies of cefpiramide sodium-loaded liposomes. Journal	1.9	4
120	Biology, 2016, 36, 2432-2439. Combined epigenetic and metabolic treatments overcome differentiation blockade in acute myeloid leukemia. IScience, 2021, 24, 102651. Tissue distribution and pulmonary targeting studies of cefpiramide sodium-loaded liposomes. Journal of Drug Targeting, 2011, 19, 49-55. Enzyme-instructed self-assembly enabled fluorescence light-up for alkaline phosphatase detection.	1.9	3
120 121 122	Combined epigenetic and metabolic treatments overcome differentiation blockade in acute myeloid leukemia. IScience, 2021, 24, 102651. Tissue distribution and pulmonary targeting studies of cefpiramide sodium-loaded liposomes. Journal of Drug Targeting, 2011, 19, 49-55. Enzyme-instructed self-assembly enabled fluorescence light-up for alkaline phosphatase detection. Talanta, 2021, 239, 123078. Self-assembling choline mimicks with enhanced binding affinities to C-LytA protein. Scientific Reports,	1.9 2.1 2.9	3 3
120 121 122 123	Combined epigenetic and metabolic treatments overcome differentiation blockade in acute myeloid leukemia. IScience, 2021, 24, 102651. Tissue distribution and pulmonary targeting studies of cefpiramide sodium-loaded liposomes. Journal of Drug Targeting, 2011, 19, 49-55. Enzyme-instructed self-assembly enabled fluorescence light-up for alkaline phosphatase detection. Talanta, 2021, 239, 123078. Self-assembling choline mimicks with enhanced binding affinities to C-LytA protein. Scientific Reports, 2015, 4, 6621. Structural organization, tissue expression, and chromosomal localization of Ciao 1, a functional	1.9 2.1 2.9	3 3

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127	Novel Epigenetic Vulnerabilities for Diffuse Large B-Cell Lymphoma. Blood, 2018, 132, 2600-2600.	0.6	1
128	The fragile X mental retardation protein FMRP plays a role in the DNA damage response. FASEB Journal, 2012, 26, 88.1.	0.2	1
129	GENE-22. RE-PROGRAMING CHROMATIN WITH A BIFUNCTIONAL LSD1/HDAC INHIBITOR INDUCES THERAPEUTIC DIFFERENTIATION IN DIPG. Neuro-Oncology, 2018, 20, vi107-vi108.	0.6	O
130	HACâ€seq: A m ³ Câ€Specific Sequencing Technique for Nucleotideâ€Resolution Profiling of m ³ C Methylome on RNA. FASEB Journal, 2021, 35, .	0.2	0
131	Room Temperature Phosphorescence: Boosting Room Temperature Phosphorescence Performance by Alkyl Modification for Intravital Orthotopic Lung Tumor Imaging (Small 22/2021). Small, 2021, 17, 2170105.	5.2	O
132	Dynamic regulation of histone methylation by demethylases. FASEB Journal, 2008, 22, 258.1.	0.2	0
133	Chromatin Regulation of Tumor Responses to Immune Checkpoint Blockade. FASEB Journal, 2019, 33, 92.3.	0.2	О
134	EXTH-37. TARGETING EPIGENETIC VULNERABILITIES IDENTIFIED FROM A CRISPR SCREEN IN H3.3K27M DIPG. Neuro-Oncology, 2020, 22, ii95-ii95.	0.6	0