Yang Shi

List of Publications by Year
in descending order

134 papers	20,311 citations	26567 56 h-index	13338 130 g-index
140 all docs	140 docs citations	140 times ranked	27433 citing authors

#	Article	IF	Citations
1	Evoking Highly Immunogenic Ferroptosis Aided by Intramolecular Motionâ€Induced Photoâ€Hyperthermia for Cancer Therapy. Advanced Science, 2022, 9, e2104885.	5.6	34
2	Metallodrugs in cancer nanomedicine. Chemical Society Reviews, 2022, 51, 2544-2582.	18.7	70
3	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
4	Nanomedicines Targeting Respiratory Injuries for Pulmonary Disease Management. Advanced Functional Materials, 2022, 32, .	7.8	9
5	Dynamic control of chromatin-associated m6A methylation regulates nascent RNA synthesis. Molecular Cell, 2022, 82, 1156-1168.e7.	4.5	69
6	STAG2 regulates interferon signaling in melanoma via enhancer loop reprogramming. Nature Communications, 2022, 13, 1859.	5.8	21
7	Azulene-Containing Squaraines for Photoacoustic Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2022, 14, 19192-19203.	4.0	20
8	Cholesterol and matrisome pathways dysregulated in astrocytes and microglia. Cell, 2022, 185, 2213-2233.e25.	13.5	123
9	Nucleotide resolution profiling of m3C RNA modification by HAC-seq. Nucleic Acids Research, 2021, 49, e27-e27.	6.5	49
10	METTL3 regulates heterochromatin in mouse embryonic stem cells. Nature, 2021, 591, 317-321.	13.7	187
11	Boosting Room Temperature Phosphorescence Performance by Alkyl Modification for Intravital Orthotopic Lung Tumor Imaging. Small, 2021, 17, e2005449.	5.2	41
12	Simultaneous Inhibition of LSD1 and TGFÎ² Enables Eradication of Poorly Immunogenic Tumors with Antiâ€“PD-1 Treatment. Cancer Discovery, 2021, 11, 1970-1981.	7.7	39
13	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
14	The SAM domain-containing protein 1 (SAMD1) acts as a repressive chromatin regulator at unmethylated CpG islands. Science Advances, 2021, 7, .	4.7	22
15	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	0
16	Combined epigenetic and metabolic treatments overcome differentiation blockade in acute myeloid leukemia. IScience, 2021, 24, 102651.	1.9	4
17	Purification, structural characterization and immunostimulatory activity of polysaccharides from Umbilicaria esculenta. International Journal of Biological Macromolecules, 2021, 181, 743-751.	3.6	21
18	Preorganization boosts the artificial esterase activity of a self-assembling peptide. Science China Chemistry, 2021, 64, 1554-1559.	4.2	15

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19	Overexpressing low-density lipoprotein receptor reduces tau-associated neurodegeneration in relation to apoE-linked mechanisms. Neuron, 2021, 109, 2413-2426.e7.	3.8	57
20	Therapeutic and diagnostic targeting of fibrosis in metabolic, proliferative and viral disorders. Advanced Drug Delivery Reviews, 2021, 175, 113831.	6.6	17
21	Chromatin-state barriers enforce an irreversible mammalian cell fate decision. Cell Reports, 2021, 37, 109967.	2.9	28
22	LSD1 inhibition sustains T cell invigoration with a durable response to PD-1 blockade. Nature Communications, 2021, 12, 6831.	5.8	46
23	Enzyme-instructed self-assembly enabled fluorescence light-up for alkaline phosphatase detection. Talanta, 2021, 239, 123078.	2.9	3
24	Binding to m6A RNA promotes YTHDF2-mediated phase separation. Protein and Cell, 2020, 11, 304-307.	4.8	52
25	METTL4 is an snRNA m6Am methyltransferase that regulates RNA splicing. Cell Research, 2020, 30, 544-547.	5.7	84
26	Analysis of m6A RNA methylation in Caenorhabditis elegans. Cell Discovery, 2020, 6, 47.	3.1	23
27	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
28	Bifunctional supramolecular nanofiber inhibits atherosclerosis by enhancing plaque stability and anti-inflammation in apoE^{-/-} mice. Theranostics, 2020, 10, 10231-10244.	4.6	21
29	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
30	Preorganization Increases the Self-Assembling Ability and Antitumor Efficacy of Peptide Nanomedicine. ACS Applied Materials & Interfaces, 2020, 12, 22492-22498.	4.0	17
31	The human mitochondrial 12S rRNA m4C methyltransferase METTL15 is required for mitochondrial function. Journal of Biological Chemistry, 2020, 295, 8505-8513.	1.6	34
32	Selective Targeting of Different Bromodomains by Small Molecules. Cancer Cell, 2020, 37, 764-766.	7.7	5
33	CG14906 (mettl4) mediates m6A methylation of U2 snRNA in Drosophila. Cell Discovery, 2020, 6, 44.	3.1	35
34	Clinical Translation of Nanomedicine and Biomaterials for Cancer Immunotherapy: Progress and Perspectives. Advanced Therapeutics, 2020, 3, 1900215.	1.6	62
35	Drug Loading in Poly(butyl cyanoacrylate)-Based Polymeric Microbubbles. Molecular Pharmaceutics, 2020, 17, 2840-2848.	2.3	18
36	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

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37	EXTH-37. TARGETING EPIGENETIC VULNERABILITIES IDENTIFIED FROM A CRISPR SCREEN IN H3.3K27M DIPG. Neuro-Oncology, 2020, 22, ii95-ii95.	0.6	0
38	Selective pericellular hydrogelation by the overexpression of an enzyme and a membrane receptor. Nanoscale, 2019, 11, 13714-13719.	2.8	30
39	Roles and regulation of histone methylation in animal development. Nature Reviews Molecular Cell Biology, 2019, 20, 625-641.	16.1	324
40	PCIF1 Catalyzes m6Am mRNA Methylation to Regulate Gene Expression. Molecular Cell, 2019, 75, 620-630.e9.	4.5	178
41	Re-programing Chromatin with a Bifunctional LSD1/HDAC Inhibitor Induces Therapeutic Differentiation in DIPG. Cancer Cell, 2019, 36, 528-544.e10.	7.7	128
42	Microglia drive APOE-dependent neurodegeneration in a tauopathy mouse model. Journal of Experimental Medicine, 2019, 216, 2546-2561.	4.2	244
43	AKT methylation by SETDB1 promotes AKT kinase activity and oncogenic functions. Nature Cell Biology, 2019, 21, 226-237.	4.6	109
44	PTEN Methylation by NSD2 Controls Cellular Sensitivity to DNA Damage. Cancer Discovery, 2019, 9, 1306-1323.	7.7	54
45	Sources of artifact in measurements of 6mA and 4mC abundance in eukaryotic genomic DNA. BMC Genomics, 2019, 20, 445.	1.2	120
46	Combining Nanomedicine and Immunotherapy. Accounts of Chemical Research, 2019, 52, 1543-1554.	7.6	310
47	Histone Serotonylation: Can the Brain Have â€œHappyâ€•Chromatin?. Molecular Cell, 2019, 74, 418-420.	4.5	17
48	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
49	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
50	N6-Methyladenosine methyltransferase ZCCHC4 mediates ribosomal RNA methylation. Nature Chemical Biology, 2019, 15, 88-94.	3.9	258
51	Nanomedicine and macroscale materials in immuno-oncology. Chemical Society Reviews, 2019, 48, 351-381.	18.7	118
52	Tandem Molecular Self-Assembly Selectively Inhibits Lung Cancer Cells by Inducing Endoplasmic Reticulum Stress. Research, 2019, 2019, 4803624.	2.8	24
53	Chromatin Regulation of Tumor Responses to Immune Checkpoint Blockade. FASEB Journal, 2019, 33, 92.3.	0.2	0
54	Zc3h13 Regulates Nuclear RNA m6A Methylation and Mouse Embryonic Stem Cell Self-Renewal. Molecular Cell, 2018, 69, 1028-1038.e6.	4.5	618

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55	GENE-22. RE-PROGRAMING CHROMATIN WITH A BIFUNCTIONAL LSD1/HDAC INHIBITOR INDUCES THERAPEUTIC DIFFERENTIATION IN DIPG. Neuro-Oncology, 2018, 20, vi107-vi108.	0.6	0
56	H3K14me3 genomic distributions and its regulation by KDM4 family demethylases. Cell Research, 2018, 28, 1118-1120.	5.7	13
57	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
58	LSD1 Ablation Stimulates Anti-tumor Immunity and Enables Checkpoint Blockade. Cell, 2018, 174, 549-563.e19.	13.5	473
59	Glucose-regulated phosphorylation of TET2 by AMPK reveals a pathway linking diabetes to cancer. Nature, 2018, 559, 637-641.	13.7	327
60	Interplay between innate immunity and Alzheimer disease: APOE and TREM2 in the spotlight. Nature Reviews Immunology, 2018, 18, 759-772.	10.6	394
61	Novel Epigenetic Vulnerabilities for Diffuse Large B-Cell Lymphoma. Blood, 2018, 132, 2600-2600.	0.6	1
62	Clinical application of polymeric micelles for the treatment of cancer. Materials Chemistry Frontiers, 2017, 1, 1485-1501.	3.2	133
63	A Glycyrrhetinic Acid-Modified Curcumin Supramolecular Hydrogel for liver tumor targeting therapy. Scientific Reports, 2017, 7, 44210.	1.6	52
64	3,4,5-Triphenyl-1,2,4-triazole-based multifunctional n-type AIEgen. Science China Chemistry, 2017, 60, 635-641.	4.2	11
65	Supramolecular â€œTrojan Horseâ€•for Nuclear Delivery of Dual Anticancer Drugs. Journal of the American Chemical Society, 2017, 139, 2876-2879.	6.6	253
66	The winding path of protein methylation research: milestones and new frontiers. Nature Reviews Molecular Cell Biology, 2017, 18, 517-527.	16.1	154
67	Enhancing Tumor Penetration of Nanomedicines. Biomacromolecules, 2017, 18, 1449-1459.	2.6	157
68	PBCA-based polymeric microbubbles for molecular imaging and drug delivery. Journal of Controlled Release, 2017, 259, 128-135.	4.8	59
69	RNA m6A methylation regulates the ultraviolet-induced DNA damage response. Nature, 2017, 543, 573-576.	13.7	685
70	A Transcription Factor Pulse Can Prime Chromatin for Heritable Transcriptional Memory. Molecular and Cellular Biology, 2017, 37, .	1.1	12
71	Naked Mole Rat Cells Have a Stable Epigenome that Resists iPSCÂReprogramming. Stem Cell Reports, 2017, 9, 1721-1734.	2.3	71
72	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

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73	ApoE4 markedly exacerbates tau-mediated neurodegeneration in a mouse model of tauopathy. Nature, 2017, 549, 523-527.	13.7	852
74	Polycomb-like proteins link the PRC2 complex to CpG islands. Nature, 2017, 549, 287-291.	13.7	238
75	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
76	Tumor-targeted nanomedicines for cancer theranostics. Pharmacological Research, 2017, 115, 87-95.	3.1	176
77	Histone Lysine Demethylase Inhibitors. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a026484.	2.9	57
78	Suppression of Enhancer Overactivation by a RACK7-Histone Demethylase Complex. Cell, 2016, 165, 331-342.	13.5	163
79	TREM2-mediated early microglial response limits diffusion and toxicity of amyloid plaques. Journal of Experimental Medicine, 2016, 213, 667-675.	4.2	565
80	Controlling the width of nanosheets by peptide length in peptoidâ€“peptide biohybrid hydrogels. RSC Advances, 2016, 6, 67025-67028.	1.7	7
81	Chromatin and Epigenetics at the Forefront: Finding Clues among Peaks. Molecular and Cellular Biology, 2016, 36, 2432-2439.	1.1	4
82	EPOP Interacts with Elongin BC and USP7 to Modulate the Chromatin Landscape. Molecular Cell, 2016, 64, 659-672.	4.5	91
83	Nono, a Bivalent Domain Factor, Regulates Erk Signaling and Mouse Embryonic Stem Cell Pluripotency. Cell Reports, 2016, 17, 997-1007.	2.9	40
84	A Mouse Model of X-linked Intellectual Disability Associated with Impaired Removal of Histone Methylation. Cell Reports, 2016, 14, 1000-1009.	2.9	112
85	A primary role of TET proteins in establishment and maintenance ofDe Novobivalency at CpG islands. Nucleic Acids Research, 2016, 44, 8682-8692.	6.5	49
86	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
87	Mutation of C. elegans demethylase spr-5 extends transgenerational longevity. Cell Research, 2016, 26, 229-238.	5.7	49
88	Self-assembling choline mimicks with enhanced binding affinities to C-LytA protein. Scientific Reports, 2015, 4, 6621.	1.6	2
89	The PRC2-associated factor C17orf96 is a novel CpG island regulator in mouse ES cells. Cell Discovery, 2015, 1, 15008.	3.1	28
90	New formula of 4-instant g-square finite difference (4IgSFD) applied to time-variant matrix inversion. , 2015, , .		6

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91	The histone chaperone CAF-1 safeguards somatic cell identity. Nature, 2015, 528, 218-224.	13.7	244
92	Anthracene functionalized thermosensitive and UV-crosslinkable polymeric micelles. Polymer Chemistry, 2015, 6, 2048-2053.	1.9	26
93	A Specific LSD1/KDM1A Isoform Regulates Neuronal Differentiation through H3K9 Demethylation. Molecular Cell, 2015, 57, 957-970.	4.5	221
94	Mutations in the intellectual disability gene KDM5C reduce protein stability and demethylase activity. Human Molecular Genetics, 2015, 24, 2861-2872.	1.4	69
95	Control of a neuronal morphology program by an RNA-binding zinc finger protein, Unkempt. Genes and Development, 2015, 29, 501-512.	2.7	35
96	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
97	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
98	Remodeling Your Way out of Cell Cycle. Cell, 2015, 162, 237-238.	13.5	5
99	DNA Methylation on N6-Adenine in C.Âelegans. Cell, 2015, 161, 868-878.	13.5	602
100	Fluorophore labeling of core-crosslinked polymeric micelles for multimodal in vivo and ex vivo optical imaging. Nanomedicine, 2015, 10, 1111-1125.	1.7	17
101	Complete Regression of Xenograft Tumors upon Targeted Delivery of Paclitaxel via Îâ€“Î Stacking Stabilized Polymeric Micelles. ACS Nano, 2015, 9, 3740-3752.	7.3	185
102	Long circulating and stable polymeric micelles for targeted delivery of paclitaxel. Journal of Controlled Release, 2015, 213, e127-e128.	4.8	1
103	DNA N6-methyladenine: a new epigenetic mark in eukaryotes?. Nature Reviews Molecular Cell Biology, 2015, 16, 705-710.	16.1	228
104	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
105	C/EBPÎ± 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
106	Degradable Ketal-Based Block Copolymer Nanoparticles for Anticancer Drug Delivery: A Systematic Evaluation. Biomacromolecules, 2015, 16, 336-350.	2.6	49
107	Glutathione-Triggered Formation of a Fmoc-Protected Short Peptide-Based Supramolecular Hydrogel. PLoS ONE, 2014, 9, e106968.	1.1	18
108	Ï€â€“Ï€ 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

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109	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
110	How substrate specificity is imposed on a histone demethylaseâ€"lessons from KDM2A. Genes and Development, 2014, 28, 1735-1738.	2.7	11
111	Triggered Release of Doxorubicin from Temperature-Sensitive Poly(N-(2-hydroxypropyl)-methacrylamide mono/dilactate) Grafted Liposomes. Biomacromolecules, 2014, 15, 1002-1009.	2.6	52
112	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
113	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
114	A Histone Methylation Network Regulates Transgenerational Epigenetic Memory in C.Âelegans. Cell Reports, 2014, 7, 113-126.	2.9	146
115	Reversible Additionâ€"Fragmentation Chain Transfer Synthesis of a Micelle-Forming, Structure Reversible Thermosensitive Diblock Copolymer Based on the N-(2-Hydroxy propyl) Methacrylamide Backbone. ACS Macro Letters, 2013, 2, 403-408.	2.3	39
116	Îâ€"Î Stacking Increases the Stability and Loading Capacity of Thermosensitive Polymeric Micelles for Chemotherapeutic Drugs. Biomacromolecules, 2013, 14, 1826-1837.	2.6	183
117	The fragile X mental retardation protein FMRP plays a role in the DNA damage response. FASEB Journal, 2012, 26, 88.1.	0.2	1
118	Tissue distribution and pulmonary targeting studies of cefpiramide sodium-loaded liposomes. Journal of Drug Targeting, 2011, 19, 49-55.	2.1	3
119	Dynamic regulation of histone methylation by demethylases. FASEB Journal, 2008, 22, 258.1.	0.2	0
120	Dynamic Regulation of Histone Lysine Methylation by Demethylases. Molecular Cell, 2007, 25, 1-14.	4.5	608
121	Histone lysine demethylases: emerging roles in development, physiology and disease. Nature Reviews Genetics, 2007, 8, 829-833.	7.7	527
122	Recognition of unmethylated histone H3 lysine 4 links BHC80 to LSD1-mediated gene repression. Nature, 2007, 448, 718-722.	13.7	386
123	A histone H3 lysine 27 demethylase regulates animal posterior development. Nature, 2007, 449, 689-694.	13.7	718
124	Regulation of LSD1 Histone Demethylase Activity by Its Associated Factors. Molecular Cell, 2005, 19, 857-864.	4.5	779
125	Histone Demethylation Mediated by the Nuclear Amine Oxidase Homolog LSD1. Cell, 2004, 119, 941-953.	13.5	3,626
126	Mammalian RNAi for the masses. Trends in Genetics, 2003, 19, 9-12.	2.9	283

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127	A Two-Tiered Transcription Regulation Mechanism that Protects Germ Cell Identity. Molecular Cell, 2003, 12, 1062-1064.	4.5	1
128	Food and metabolic signalling defects in a Caenorhabditis elegans serotonin-synthesis mutant. Nature, 2000, 403, 560-564.	13.7	573
129	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
130	Decreased expression of the pro-apoptotic protein Par-4 in renal cell carcinoma. Oncogene, 1999, 18, 1205-1208.	2.6	108
131	Function for p300 and not CBP in the apoptotic response to DNA damage. Oncogene, 1999, 18, 5714-5717.	2.6	54
132	Structural organization, tissue expression, and chromosomal localization of Ciao 1, a functional modulator of the Wilms' tumor suppressor, WT1. Immunogenetics, 1999, 49, 900-905.	1.2	1
133	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
134	Overexpression of C/EBPÎ² 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