CARM1 Methylates Chromatin Remodeling Factor BAF1 and Metastasis

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Citation Report

#	Article	IF	CITATIONS
1	CARM1 and BAF155: an example of how chromatin remodeling factors can be relocalized and contribute to cancer. Breast Cancer Research, 2014, 16, 307.	5 . 0	1
2	Vulnerabilities of Mutant SWI/SNF Complexes in Cancer. Cancer Cell, 2014, 26, 309-317.	16.8	224
3	CARMA: CARM1 Methylation of SWI/SNF in Breast Cancer. Cancer Cell, 2014, 25, 3-4.	16.8	14
4	A rationale to target the SWI/SNF complex for cancer therapy. Trends in Genetics, 2014, 30, 356-363.	6.7	154
5	Expanding the genetic editing tool kit: ZFNs, TALENs, and CRISPR-Cas9. Journal of Clinical Investigation, 2014, 124, 4154-4161.	8.2	369
6	MicroRNA-16 suppresses metastasis in an orthotopic, but not autochthonous, mouse model of soft tissue sarcoma. DMM Disease Models and Mechanisms, 2015, 8, 867-75.	2.4	3
7	MED12 methylation by CARM1 sensitizes human breast cancer cells to chemotherapy drugs. Science Advances, 2015, 1, e1500463.	10.3	67
8	Differential CARM1 Isoform Expression in Subcellular Compartments and among Malignant and Benign Breast Tumors. PLoS ONE, 2015, 10, e0128143.	2.5	6
9	O-GlcNAcylation of co-activator-associated arginine methyltransferase 1 regulates its protein substrate specificity. Biochemical Journal, 2015, 466, 587-599.	3.7	21
10	Progress and challenges in predicting protein methylation sites. Molecular BioSystems, 2015, 11, 2610-2619.	2.9	11
11	Current Methods for Methylome Profiling. , 2015, , 187-217.		3
12	Enzymatic Assays of Histone Methyltransferase Enzymes. , 2015, , 333-361.		5
13	Gene expression profiling leads to discovery of correlation of matrix metalloproteinase 11 and heparanase 2 in breast cancer progression. BMC Cancer, 2015, 15, 473.	2.6	33
14	Reciprocal Regulation of ERÎ \pm and ERÎ 2 Stability and Activity by Diptoindonesin G. Chemistry and Biology, 2015, 22, 1608-1621.	6.0	33
15	Novel CARM1-Interacting Protein, DZIP3, Is a Transcriptional Coactivator of Estrogen Receptor-α. Molecular Endocrinology, 2015, 29, 1708-1719.	3.7	21
16	Arginine methyltransferases as novel therapeutic targets for breast cancer. Mutagenesis, 2015, 30, 177-189.	2.6	41
17	IL-13Rα2 mediates PNR-induced migration and metastasis in ERα-negative breast cancer. Oncogene, 2015, 34, 1596-1607.	5.9	39
18	Writers, Readers, and Erasers of Epigenetic Marks. , 2015, , 31-66.		14

#	ARTICLE	IF	CITATIONS
19	Zinc Finger Nuclease–Mediated Gene Knockout Results in Loss of Transport Activity for P-Glycoprotein, BCRP, and MRP2 in Caco-2 Cells. Drug Metabolism and Disposition, 2015, 43, 199-207.	3.3	32
20	SWI/SNF Chromatin Remodeling and Human Malignancies. Annual Review of Pathology: Mechanisms of Disease, 2015, 10, 145-171.	22.4	242
21	PRMT4-Mediated Arginine Methylation Negatively Regulates Retinoblastoma Tumor Suppressor Protein and Promotes E2F-1 Dissociation. Molecular and Cellular Biology, 2015, 35, 238-248.	2.3	25
22	Targeting synthetic lethality between the SRC kinase and the EPHB6 receptor may benefit cancer treatment. Oncotarget, 2016, 7, 50027-50042.	1.8	17
23	Protein arginine methylation/demethylation and cancer. Oncotarget, 2016, 7, 67532-67550.	1.8	91
24	A New Way Forward in Cancer Drug Discovery: Inhibiting the SWI/SNF Chromatin Remodelling Complex. ChemBioChem, 2016, 17, 677-682.	2.6	21
25	Discovery of a Potent and Selective Coactivator Associated Arginine Methyltransferase 1 (CARM1) Inhibitor by Virtual Screening. Journal of Medicinal Chemistry, 2016, 59, 6838-6847.	6.4	43
26	Minireview: Therapeutic Implications of Epigenetic Signaling in Breast Cancer. Endocrinology, 2017, 158, en.2016-1716.	2.8	8
27	Arginine methyltransferases in normal and malignant hematopoiesis. Experimental Hematology, 2016, 44, 435-441.	0.4	49
28	Discovery of a Potent, Selective, and Cell-Active Dual Inhibitor of Protein Arginine Methyltransferase 4 and Protein Arginine Methyltransferase 6. Journal of Medicinal Chemistry, 2016, 59, 9124-9139.	6.4	64
29	Arginine Methylation of MDH1 by CARM1 Inhibits Glutamine Metabolism and Suppresses Pancreatic Cancer. Molecular Cell, 2016, 64, 673-687.	9.7	151
30	Regulation of Transcription Factor Yin Yang 1 by SET7/9-mediated Lysine Methylation. Scientific Reports, 2016, 6, 21718.	3.3	29
31	Tumor Cell–Driven Extracellular Matrix Remodeling Drives Haptotaxis during Metastatic Progression. Cancer Discovery, 2016, 6, 516-531.	9.4	164
32	Centrosome amplification induces high grade features and is prognostic of worse outcomes in breast cancer. BMC Cancer, 2016, 16, 47.	2.6	89
33	BAF chromatin remodelling complex is an epigenetic regulator of lineage specification in the early mouse embryo. Development (Cambridge), 2016, 143, 1271-83.	2.5	32
34	Targeting epigenetic regulators for cancer therapy: modulation of bromodomain proteins, methyltransferases, demethylases, and microRNAs. Expert Opinion on Therapeutic Targets, 2016, 20, 783-799.	3.4	50
35	Identification of Selective Lead Compounds for Treatment of High-Ploidy Breast Cancer. Molecular Cancer Therapeutics, 2016, 15, 48-59.	4.1	25
36	A Potent, Selective, and Cell-Active Inhibitor of Human Type I Protein Arginine Methyltransferases. ACS Chemical Biology, 2016, 11, 772-781.	3.4	208

#	Article	IF	CITATIONS
37	The roles of ncRNAs and histone-modifiers in regulating breast cancer stem cells. Protein and Cell, 2016, 7, 89-99.	11.0	31
38	Arginine Methylation: The Coming of Age. Molecular Cell, 2017, 65, 8-24.	9.7	720
39	ARID2 modulates DNA damage response in human hepatocellular carcinoma cells. Journal of Hepatology, 2017, 66, 942-951.	3.7	53
40	Linking long non-coding RNAs and SWI/SNF complexes to chromatin remodeling in cancer. Molecular Cancer, 2017, 16, 42.	19.2	126
41	BRG1 and BRM function antagonistically with c-MYC in adult cardiomyocytes to regulate conduction and contractility. Journal of Molecular and Cellular Cardiology, 2017, 105, 99-109.	1.9	18
42	Histone-binding of DPF2 mediates its repressive role in myeloid differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6016-6021.	7.1	23
43	Global mapping of CARM1 substrates defines enzyme specificity and substrate recognition. Nature Communications, 2017, 8, 15571.	12.8	100
44	The story of protein arginine methylation: characterization, regulation, and function. Expert Review of Proteomics, 2017, 14, 157-170.	3.0	63
45	Methylation of transcription factor YY2 regulates its transcriptional activity and cell proliferation. Cell Discovery, 2017, 3, 17035.	6.7	28
46	Casein kinase 2-mediated phosphorylation of Brahma-related gene 1 controls myoblast proliferation and contributes to SWI/SNF complex composition. Journal of Biological Chemistry, 2017, 292, 18592-18607.	3.4	29
47	Report and Application of a Tool Compound Data Set. Journal of Chemical Information and Modeling, 2017, 57, 2699-2706.	5.4	4
48	PKM2 methylation by CARM1 activates aerobic glycolysis to promote tumorigenesis. Nature Cell Biology, 2017, 19, 1358-1370.	10.3	212
49	A simplified characterization of S-adenosyl- <scp>l</scp> -methionine-consuming enzymes with 1-Step EZ-MTase: a universal and straightforward coupled-assay for in vitro and in vivo setting. Chemical Science, 2017, 8, 6601-6612.	7.4	18
50	A cytoplasmic COMPASS is necessary for cell survival and triple-negative breast cancer pathogenesis by regulating metabolism. Genes and Development, 2017, 31, 2056-2066.	5.9	55
51	Tudor Domain Containing Protein 3 Promotes Tumorigenesis and Invasive Capacity of Breast Cancer Cells. Scientific Reports, 2017, 7, 5153.	3.3	18
52	Oxidative stress destabilizes protein arginine methyltransferase 4 via glycogen synthase kinase $3\hat{l}^2$ to impede lung epithelial cell migration. American Journal of Physiology - Cell Physiology, 2017, 313, C285-C294.	4.6	11
53	MENA Confers Resistance to Paclitaxel in Triple-Negative Breast Cancer. Molecular Cancer Therapeutics, 2017, 16, 143-155.	4.1	31
54	Epigenetic determinants of metastasis. Molecular Oncology, 2017, 11, 79-96.	4.6	48

#	ARTICLE	IF	CITATIONS
55	Identification of a CARM1 Inhibitor with Potent In Vitro and In Vivo Activity in Preclinical Models of Multiple Myeloma. Scientific Reports, 2017, 7, 17993.	3.3	85
56	JMJD6 and U2AF65 co-regulate alternative splicing in both JMJD6 enzymatic activity dependent and independent manner. Nucleic Acids Research, 2017, 45, 3503-3518.	14.5	40
57	Breast Cancer: From Transcriptional Control to Clinical Outcome. , 2017, , .		1
58	The Overexpression of CARM1 Promotes Human Osteosarcoma Cell Proliferation through the pGSK3 \hat{l}^2/\hat{l}^2 -Catenin/cyclinD1 Signaling Pathway. International Journal of Biological Sciences, 2017, 13, 976-984.	6.4	28
59	miR-195 enhances the radiosensitivity of colorectal cancer cells by suppressing CARM1. OncoTargets and Therapy, 2017, Volume 10, 1027-1038.	2.0	42
60	Co-regulation of transcription by BRG1 and BRM, two mutually exclusive SWI/SNF ATPase subunits. Epigenetics and Chromatin, 2017, 10, 62.	3.9	37
61	REPA: Applying Pathway Analysis to Genome-Wide Transcription Factor Binding Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1270-1283.	3.0	3
62	Hijacking DNA methyltransferase transition state analogues to produce chemical scaffolds for PRMT inhibitors. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170072.	4.0	24
63	JMJD6 Licenses ERα-Dependent Enhancer and Coding Gene Activation by Modulating the Recruitment of the CARM1/MED12 Co-activator Complex. Molecular Cell, 2018, 70, 340-357.e8.	9.7	72
64	Research progress of selective small molecule bromodomain-containing protein 9 inhibitors. Future Medicinal Chemistry, 2018, 10, 895-906.	2.3	5
65	CARM1-expressing ovarian cancer depends on the histone methyltransferase EZH2 activity. Nature Communications, 2018, 9, 631.	12.8	72
66	SWI/SNF (BAF) Complexes: Guardians of the Epigenome. Annual Review of Cancer Biology, 2018, 2, 413-427.	4.5	31
67	The role of PRMT1 in EGFR methylation and signaling in MDA-MB-468 triple-negative breast cancer cells. Breast Cancer, 2018, 25, 74-80.	2.9	40
68	Targeting Epigenetics in Cancer. Annual Review of Pharmacology and Toxicology, 2018, 58, 187-207.	9.4	185
69	The PAF complex regulation of Prmt5 facilitates the progression and maintenance of MLL fusion leukemia. Oncogene, 2018, 37, 450-460.	5.9	28
70	The Landscape of Histone Modification in Cancer Metastasis. , 2018, , .		1
71	MicroRNA-195: a review of its role in cancers. OncoTargets and Therapy, 2018, Volume 11, 7109-7123.	2.0	67
72	Arginine methylation of <scp>SIRT</scp> 7 couples glucose sensing with mitochondria biogenesis. EMBO Reports, 2018, 19, .	4.5	64

#	Article	IF	Citations
73	CARM1-mediated methylation of protein arginine methyltransferase 5 represses human \hat{I}^3 -globin gene expression in erythroleukemia cells. Journal of Biological Chemistry, 2018, 293, 17454-17463.	3.4	20
74	SETting up Methylation in Mammalian Cells: Role of Histone Methyltransferases in Disease and Development., 2018,, 197-258.		0
75	Lysines 207 and 325 methylation of WDR5 catalyzed by SETD6 promotes breast cancer cell proliferation and migration. Oncology Reports, 2018, 40, 3069-3077.	2.6	8
77	CARM1 (PRMT4) Acts as a Transcriptional Coactivator during Retinoic Acid-Induced Embryonic Stem Cell Differentiation. Journal of Molecular Biology, 2018, 430, 4168-4182.	4.2	9
78	Ubiquitin Regulation: The Histone Modifying Enzyme′s Story. Cells, 2018, 7, 118.	4.1	21
79	Recent advances in targeting protein arginine methyltransferase enzymes in cancer therapy. Expert Opinion on Therapeutic Targets, 2018, 22, 527-545.	3.4	40
80	SWI/SNF Complexes in Ovarian Cancer: Mechanistic Insights and Therapeutic Implications. Molecular Cancer Research, 2018, 16, 1819-1825.	3.4	32
81	CARM1 suppresses de novo serine synthesis by promoting PKM2 activity. Journal of Biological Chemistry, 2018, 293, 15290-15303.	3.4	19
82	CARM1 Is Essential for Myeloid Leukemogenesis but Dispensable for Normal Hematopoiesis. Cancer Cell, 2018, 33, 1111-1127.e5.	16.8	48
83	î²-Catenin/Tcf7l2–dependent transcriptional regulation of GLUT1 gene expression by Zic family proteins in colon cancer. Science Advances, 2019, 5, eaax0698.	10.3	28
84	Breast Cancer Classification Based on Proteotypes Obtained by SWATH Mass Spectrometry. Cell Reports, 2019, 28, 832-843.e7.	6.4	72
85	Calcineurin Broadly Regulates the Initiation of Skeletal Muscle-Specific Gene Expression by Binding Target Promoters and Facilitating the Interaction of the SWI/SNF Chromatin Remodeling Enzyme. Molecular and Cellular Biology, 2019, 39, .	2.3	14
86	Anti-tumor Activity of the Type I PRMT Inhibitor, GSK3368715, Synergizes with PRMT5 Inhibition through MTAP Loss. Cancer Cell, 2019, 36, 100-114.e25.	16.8	196
87	PRMT4 overexpression aggravates cardiac remodeling following myocardial infarction by promoting cardiomyocyte apoptosis. Biochemical and Biophysical Research Communications, 2019, 520, 645-650.	2.1	18
88	Chromatin remodelling factor BAF155 protects hepatitis B virus X protein (HBx) from ubiquitin-independent proteasomal degradation. Emerging Microbes and Infections, 2019, 8, 1393-1405.	6.5	8
89	Ratiometric assay of CARM1 activity using a FRET-based fluorescent probe. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126728.	2.2	2
90	Unwinding chromatin at the right places: how BAF is targeted to specific genomic locations during development. Development (Cambridge), 2019, 146, .	2.5	35
91	Design and Synthesis of Potent, Selective Inhibitors of Protein Arginine Methyltransferase 4 against Acute Myeloid Leukemia. Journal of Medicinal Chemistry, 2019, 62, 5414-5433.	6.4	13

#	Article	IF	CITATIONS
92	TRIM28 protects CARM1 from proteasome-mediated degradation to prevent colorectal cancer metastasis. Science Bulletin, 2019, 64, 986-997.	9.0	7
93	Methylation of C/EBPα by PRMT1 Inhibits Its Tumor-Suppressive Function in Breast Cancer. Cancer Research, 2019, 79, 2865-2877.	0.9	54
94	RBM15 Modulates the Function of Chromatin Remodeling Factor BAF155 Through RNA Methylation in Developing Cortex. Molecular Neurobiology, 2019, 56, 7305-7320.	4.0	40
95	Nanoparticles as Radiopharmaceutical Vectors. , 2019, , 181-203.		7
96	Design, synthesis and biological evaluation of imidazo [1,5-a] pyrazin-8 (7H)-one derivatives as BRD9 inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 1391-1404.	3.0	8
97	PBRM1 acts as a p53 lysine-acetylation reader to suppress renal tumor growth. Nature Communications, 2019, 10, 5800.	12.8	47
98	The Emerging Roles of ATP-Dependent Chromatin Remodeling Complexes in Pancreatic Cancer. Cancers, 2019, 11, 1859.	3.7	26
99	High affinity binding of H3K14ac through collaboration of bromodomains 2, 4 and 5 is critical for the molecular and tumor suppressor functions of <scp>PBRM</scp> 1. Molecular Oncology, 2019, 13, 811-828.	4.6	22
100	Virtual Screening with a Structure-Based Pharmacophore Model to Identify Small-Molecule Inhibitors of CARM1. Journal of Chemical Information and Modeling, 2019, 59, 522-534.	5.4	8
101	Regulation of MLL/COMPASS stability through its proteolytic cleavage by taspase1 as a possible approach for clinical therapy of leukemia. Genes and Development, 2019, 33, 61-74.	5.9	26
102	Mouse Models of Overexpression Reveal Distinct Oncogenic Roles for Different Type I Protein Arginine Methyltransferases. Cancer Research, 2019, 79, 21-32.	0.9	32
103	CARM1 contributes to skeletal muscle wasting by mediating FoxO3 activity and promoting myofiber autophagy. Experimental Cell Research, 2019, 374, 198-209.	2.6	22
104	Assaying epigenome functions of PRMTs and their substrates. Methods, 2020, 175, 53-65.	3.8	16
105	Molecular mechanism of inhibitor bindings to bromodomain-containing protein 9 explored based on molecular dynamics simulations and calculations of binding free energies. SAR and QSAR in Environmental Research, 2020, 31, 149-170.	2.2	13
106	Arginine methylationâ€dependent LSD1 stability promotes invasion and metastasis of breast cancer. EMBO Reports, 2020, 21, e48597.	4.5	92
107	Chemical probes for protein arginine methyltransferases. Methods, 2020, 175, 30-43.	3.8	22
108	Mammalian SWI/SNF Chromatin Remodeling Complexes: Emerging Mechanisms and Therapeutic Strategies. Trends in Genetics, 2020, 36, 936-950.	6.7	172
109	Proteome-Wide Alterations of Asymmetric Arginine Dimethylation Associated With Pancreatic Ductal Adenocarcinoma Pathogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 545934.	3.7	5

#	Article	IF	CITATIONS
110	Requisite Chromatin Remodeling for Myeloid and Erythroid Lineage Differentiation from Erythromyeloid Progenitors. Cell Reports, 2020, 33, 108395.	6.4	6
111	GBAF, a small BAF sub-complex with big implications: a systematic review. Epigenetics and Chromatin, 2020, 13, 48.	3.9	14
112	The methylation landscape and its role in domestication and gene regulation in the chicken. Nature Ecology and Evolution, 2020, 4, 1713-1724.	7.8	22
113	Keratins are asymmetrically inherited fate determinants in the mammalian embryo. Nature, 2020, 585, 404-409.	27.8	69
114	A systemic analysis reveals TRIM24-SMARCC1 dependent poor prognosis of hepatocellular carcinoma. Informatics in Medicine Unlocked, 2020, 21, 100467.	3.4	0
115	<p>Gallic Acid Impedes Non-Small Cell Lung Cancer Progression via Suppression of EGFR-Dependent CARM1-PELP1 Complex</p> . Drug Design, Development and Therapy, 2020, Volume 14, 1583-1592.	4.3	19
116	Arginine methylation of ribose-5-phosphate isomerase A senses glucose to promote human colorectal cancer cell survival. Science China Life Sciences, 2020, 63, 1394-1405.	4.9	15
117	A hypermethylation strategy utilized by enhancer-bound CARM1 to promote estrogen receptor α-dependent transcriptional activation and breast carcinogenesis. Theranostics, 2020, 10, 3451-3473.	10.0	31
118	CARM1 inhibition reduces histone acetyltransferase activity causing synthetic lethality in CREBBP/EP300-mutated lymphomas. Leukemia, 2020, 34, 3269-3285.	7.2	28
119	Jumonji domainâ€containing protein 6 protein and its role in cancer. Cell Proliferation, 2020, 53, e12747.	5.3	31
120	Applications and advances of CRISPR/Cas9 in animal cancer model. Briefings in Functional Genomics, 2020, 19, 235-241.	2.7	6
121	Estrogen-induced transcription at individual alleles is independent of receptor level and active conformation but can be modulated by coactivators activity. Nucleic Acids Research, 2020, 48, 1800-1810.	14.5	15
122	EZH2 Inhibition Sensitizes CARM1-High, Homologous Recombination Proficient Ovarian Cancers to PARP Inhibition. Cancer Cell, 2020, 37, 157-167.e6.	16.8	79
123	WDR5-Myc axis promotes the progression of glioblastoma and neuroblastoma by transcriptional activating CARM1. Biochemical and Biophysical Research Communications, 2020, 523, 699-706.	2.1	17
124	CK2-Dependent Phosphorylation of the Brg1 Chromatin Remodeling Enzyme Occurs during Mitosis. International Journal of Molecular Sciences, 2020, 21, 923.	4.1	14
125	ESRP1 regulates alternative splicing of CARM1 to sensitize small cell lung cancer cells to chemotherapy by inhibiting TGF- \hat{l}^2 /Smad signaling. Aging, 2021, 13, 3554-3572.	3.1	15
126	Arginine Methylation in Brain Tumors: Tumor Biology and Therapeutic Strategies. Cells, 2021, 10, 124.	4.1	15
127	SMARCC1 expression is positively correlated with pathological grade and good prognosis in renal cell carcinoma. Translational Andrology and Urology, 2021, 10, 236-242.	1.4	3

#	Article	IF	CITATIONS
128	CDCA4 suppresses epithelial–mesenchymal transtion (EMT) and metastasis in Non-small cell lung cancer through modulating autophagy. Cancer Cell International, 2021, 21, 48.	4.1	13
129	PFKFB4 promotes lung adenocarcinoma progression via phosphorylating and activating transcriptional coactivator SRC-2. BMC Pulmonary Medicine, 2021, 21, 60.	2.0	11
130	High nuclear TPX2 expression correlates with TP53 mutation and poor clinical behavior in a large breast cancer cohort, but is not an independent predictor of chromosomal instability. BMC Cancer, 2021, 21, 186.	2.6	16
131	Rational Design and Synthesis of Selective PRMT4 Inhibitors: A New Chemotype for Development of Cancer Therapeutics**. ChemMedChem, 2021, 16, 1116-1125.	3.2	4
132	PRMT6 methylation of RCC1 regulates mitosis, tumorigenicity, and radiation response of glioblastoma stem cells. Molecular Cell, 2021, 81, 1276-1291.e9.	9.7	54
133	Protein arginine methylation: from enigmatic functions to therapeutic targeting. Nature Reviews Drug Discovery, 2021, 20, 509-530.	46.4	186
134	Uncovering the dosage-dependent roles of $\langle i \rangle$ Arid1a $\langle i \rangle$ in gastric tumorigenesis for combinatorial drug therapy. Journal of Experimental Medicine, 2021, 218, .	8.5	16
135	SOX4 and SMARCA4 cooperatively regulate PI3k signaling through transcriptional activation of TGFBR2. Npj Breast Cancer, 2021, 7, 40.	5.2	9
136	PRMT4 drives post-ischemic angiogenesis via YB1/VEGF signaling. Journal of Molecular Medicine, 2021, 99, 993-1008.	3.9	7
137	Multiple interactions of the oncoprotein transcription factor MYC with the SWI/SNF chromatin remodeler. Oncogene, 2021, 40, 3593-3609.	5.9	14
138	How Protein Methylation Regulates Steroid Receptor Function. Endocrine Reviews, 2022, 43, 160-197.	20.1	13
139	Protein arginine methyltransferases: promising targets for cancer therapy. Experimental and Molecular Medicine, 2021, 53, 788-808.	7.7	105
140	CARM1/PRMT4: Making Its Mark beyond Its Function as a Transcriptional Coactivator. Trends in Cell Biology, 2021, 31, 402-417.	7.9	49
141	Targeting DNA Damage Response and Repair to Enhance Therapeutic Index in Cisplatin-Based Cancer Treatment. International Journal of Molecular Sciences, 2021, 22, 8199.	4.1	48
142	Arginine methylation in the epithelialâ€toâ€mesenchymal transition. FEBS Journal, 2022, 289, 7292-7303.	4.7	7
143	Exploiting epigenetic dependencies in ovarian cancer therapy. International Journal of Cancer, 2021, 149, 1732-1743.	5.1	22
144	PAX9 Determines Epigenetic State Transition and Cell Fate in Cancer. Cancer Research, 2021, 81, 4696-4708.	0.9	10
145	Targeting the IRE11±/XBP1s pathway suppresses CARM1-expressing ovarian cancer. Nature Communications, 2021, 12, 5321.	12.8	17

#	Article	IF	CITATIONS
146	The roles of epigenetics in cancer progression and metastasis. Biochemical Journal, 2021, 478, 3373-3393.	3.7	26
147	Endotoxin stabilizes protein arginine methyltransferase 4 (PRMT4) protein triggering death of lung epithelia. Cell Death and Disease, 2021, 12, 828.	6.3	7
148	PRMT1 enhances oncogenic arginine methylation of NONO in colorectal cancer. Oncogene, 2021, 40, 1375-1389.	5.9	44
149	Epigenetic arginine methylation in breast cancer: emerging therapeutic strategies. Journal of Molecular Endocrinology, 2019, 62, R223-R237.	2.5	30
150	CARM1 promotes non-small cell lung cancer progression through upregulating CCNE2 expression. Aging, 2020, 12, 10578-10593.	3.1	21
151	Comprehensive assessment of the expression of the SWI/SNF complex defines two distinct prognostic subtypes of ovarian clear cell carcinoma. Oncotarget, 2016, 7, 54758-54770.	1.8	25
152	TP-064, a potent and selective small molecule inhibitor of PRMT4 for multiple myeloma. Oncotarget, 2018, 9, 18480-18493.	1.8	90
153	Functional interplay between YY1 and CARM1 promotes oral carcinogenesis. Oncotarget, 2019, 10, 3709-3724.	1.8	28
154	Non-Histone Arginine Methylation by Protein Arginine Methyltransferases. Current Protein and Peptide Science, 2020, 21, 699-712.	1.4	25
155	CARM1 methylates MED12 to regulate its RNA-binding ability. Life Science Alliance, 2018, 1, e201800117.	2.8	43
156	Role of PRMTs in cancer: Could minor isoforms be leaving a mark?. World Journal of Biological Chemistry, 2014, 5, 115-29.	4.3	62
157	A chemical probe of CARM1 alters epigenetic plasticity against breast cancer cell invasion. ELife, 2019, 8, .	6.0	32
158	BAF155 methylation drives metastasis by hijacking super-enhancers and subverting anti-tumor immunity. Nucleic Acids Research, 2021, 49, 12211-12233.	14.5	29
161	A Switch for Transcriptional Activation and Repression: Histone Arginine Methylation. RNA Technologies, 2019, , 521-541.	0.3	0
162	Asymmetric Dimethylation on Arginine (ADMA) of Histones in Development, Differentiation and Disease. RNA Technologies, 2019, , 495-520.	0.3	0
167	Nup54-induced CARM1 nuclear importation promotes gastric cancer cell proliferation and tumorigenesis through transcriptional activation and methylation of Notch2. Oncogene, 2022, 41, 246-259.	5.9	8
169	Structure-Based Discovery of Potent CARM1 Inhibitors for Solid Tumor and Cancer Immunology Therapy. Journal of Medicinal Chemistry, 2021, 64, 16650-16674.	6.4	15
170	Identification, Synthesis, and Biological Evaluations of Potent Inhibitors Targeting Type I Protein Arginine Methyltransferases. Journal of Chemical Information and Modeling, 2022, 62, 692-702.	5.4	5

#	Article	IF	CITATIONS
171	Systematic pan-cancer landscape identifies CARM1 as a potential prognostic and immunological biomarker. BMC Genomic Data, 2022, 23, 7.	1.7	8
172	Unconventional protein post-translational modifications: the helmsmen in breast cancer. Cell and Bioscience, 2022, 12, 22.	4.8	15
173	Coactivatorâ€associated arginine methyltransferase 1 controls oligodendrocyte differentiation in the corpus callosum during early brain development. Developmental Neurobiology, 2022, 82, 245-260.	3.0	5
174	Histone arginine methyltransferase CARM1 selective inhibitor TP-064 induces apoptosis in endometrial cancer. Biochemical and Biophysical Research Communications, 2022, 601, 123-128.	2.1	6
185	SMARCC1 Enters the Nucleus via KPNA2 and Plays an Oncogenic Role in Bladder Cancer. Frontiers in Molecular Biosciences, 2022, 9, .	3.5	3
186	The Role of Protein Arginine Methyltransferases in DNA Damage Response. International Journal of Molecular Sciences, 2022, 23, 9780.	4.1	16
187	CARM1-mediated methylation of ASXL2 impairs tumor-suppressive function of MLL3/COMPASS. Science Advances, 2022, 8, .	10.3	4
190	ESRP1-regulated isoform switching of LRRFIP2 determines metastasis of gastric cancer. Nature Communications, 2022, 13, .	12.8	13
191	The Emerging Role of Chromatin Remodeling Complexes in Ovarian Cancer. International Journal of Molecular Sciences, 2022, 23, 13670.	4.1	8
192	Endocrine resistance and breast cancer plasticity are controlled by CoREST. Nature Structural and Molecular Biology, 2022, 29, 1122-1135.	8.2	11
193	Arginine methylation of BRD4 by PRMT2/4 governs transcription and DNA repair. Science Advances, 2022, 8, .	10.3	9
194	Reprogramming of palmitic acid induced by dephosphorylation of ACOX1 promotes \hat{l}^2 -catenin palmitoylation to drive colorectal cancer progression. Cell Discovery, 2023, 9, .	6.7	16
195	Acidotic and hypoxic tumor microenvironment induces changes to histone acetylation and methylation in oral squamous cell carcinoma. Biomedical Chromatography, 0, , .	1.7	0
196	Research progress on PRMTs involved in epigenetic modification and tumour signalling pathway regulation (Review). International Journal of Oncology, 2023, 62, .	3.3	6
197	Structural and functional properties of mSWI/SNF chromatin remodeling complexes revealed through single-cell perturbation screens. Molecular Cell, 2023, 83, 1350-1367.e7.	9.7	8
198	Emerging epigenetic therapies: protein arginine methyltransferase inhibitors., 2023,, 613-634.		0
199	Carm1-arginine methylation of the transcription factor C/EBPÎ \pm regulates transdifferentiation velocity. ELife, 0, 12, .	6.0	1
200	Unraveling the complexity of histone-arginine methyltransferase CARM1 in cancer: From underlying mechanisms to targeted therapeutics. Biochimica Et Biophysica Acta: Reviews on Cancer, 2023, 1878, 188916.	7.4	0

#	Article	IF	CITATIONS
201	Inhibition of CARM1 suppresses proliferation of multiple myeloma cells through activation of p53 signaling pathway. Molecular Biology Reports, 2023, 50, 7457-7469.	2.3	1
202	Proteome-wide Profiling of Asymmetric Dimethylated Arginine in Human Breast Tumors. Journal of the American Society for Mass Spectrometry, 2023, 34, 1692-1700.	2.8	1
203	Protein arginine methylation in transcription and epigenetic regulation. , $0,1,.$		0
204	Pyrazine Moiety: Recent Developments in Cancer Treatment. Current Organic Chemistry, 2023, 27, .	1.6	1
205	SAP30 promotes breast tumor progression by bridging the transcriptional corepressor SIN3 complex and MLL1. Journal of Clinical Investigation, 2023, 133, .	8.2	0
206	Development of Potent and Selective Coactivator-Associated Arginine Methyltransferase 1 (CARM1) Degraders. Journal of Medicinal Chemistry, 2023, 66, 13028-13042.	6.4	1
207	CARM1 arginine methyltransferase as a therapeutic target for cancer. Journal of Biological Chemistry, 2023, 299, 105124.	3.4	1
208	Epigenetic regulation of breast cancer metastasis. Cancer and Metastasis Reviews, 0, , .	5.9	O
209	INO80 function is required for mouse mammary gland development, but mutation alone may be insufficient for breast cancer. Frontiers in Cell and Developmental Biology, 0, 11 , .	3.7	0
210	BACH1 regulates the differentiation of vascular smooth muscle cells from human embryonic stem cells via CARM1-mediated methylation of H3R17. Cell Reports, 2023, 42, 113468.	6.4	O
211	The SWI/SNF Complex: A Frequently Mutated Chromatin Remodeling Complex in Cancer. Cancer Treatment and Research, 2023, , 211-244.	0.5	1
212	Epigenetic regulation in cancer therapy: From mechanisms to clinical advances. , 2024, 3, .		1
213	Epigenetic regulation in cancer. MedComm, 2024, 5, .	7.2	0
214	Structure-based discovery of potent CARM1 inhibitors for colorectal cancer therapy. European Journal of Medicinal Chemistry, 2024, 269, 116288.	5.5	0
215	A SWI/SNF-dependent transcriptional regulation mediated by POU2AF2/C11orf53 at enhancer. Nature Communications, 2024, 15, .	12.8	0