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Tet proteins can convert 5-methylcytosine to 5-formylcytosine and 5-carboxylcytosine

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2298	Ultrasensitive Determination of Rare Modified Cytosines Based on Novel Hydrazine Labeling Reagents.		
2297	Assessment of DNA Epigenetic Modifications.		
2296	Tet2 Catalyzes Stepwise 5Methylcytosine Oxidation by an Iterative and de novo Mechanism.		
2295	Discrimination between 5Hydroxymethylcytosine and 5Methylcytosine in DNA via Selective Electrogenerated Chemiluminescence (ECL) Labeling.		
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249	Spectroscopic and in vitro investigations of Fe2+/Ketoglutarate-dependent enzymes involved in nucleic acid repair and modification <b>2022</b> ,	О
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246	Oxidation Enhances Binding of Extrahelical 5-Methyl-Cytosines by Thymine DNA Glycosylase <b>2022</b> ,	
245	Navigating the hydroxymethylome: experimental biases and quality control tools for the tandem bisulfite and oxidative bisulfite Illumina microarrays <b>2022</b> , 14, 139-152	O
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243	Stabilization of VEGF i-motif structure by CpG methylation 2022, 594, 88-92	2
242	Active demethylation upregulates CD147 expression promoting non-small cell lung cancer invasion and metastasis <b>2022</b> ,	O
241	Whole Genome DNA Methylation Profiling of D2 Medium Spiny Neurons in Mouse Nucleus Accumbens Using Two Independent Library Preparation Methods <b>2022</b> , 13,	O
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238	The Role of Endoplasmic Reticulum and Mitochondria in Maintaining Redox Status and Glycolytic Metabolism in Pluripotent Stem Cells <b>2022</b> ,	O
237	1H NMR Chemical Exchange Techniques Reveal Local and Global Effects of Oxidized Cytosine Derivatives.	1
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227	An Overview of Epigenetic Methylation in Pancreatic Cancer Progression 2022, 12, 854773	О
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224	A comprehensive approach for genome-wide efficiency profiling of DNA modifying enzymes <b>2022</b> , 2, 100187	О
223	Fertilization, Oocyte Activation, Calcium Release and Epigenetic Remodelling: Lessons From Cancer Models <b>2022</b> , 10, 781953	О
222	Single-cell transcriptomics identifies potential cells of origin of MYC rhabdoid tumors <b>2022</b> , 13, 1544	О
221	Distribution and regulatory roles of oxidized 5-methylcytosines in DNA and RNA of the basidiomycete fungi and <b>2022</b> , 12, 210302	2
220	Biology of IDH Mutant Cholangiocarcinoma 2022,	1
219	UHRF2 regulates cell cycle, epigenetics and gene expression to control the timing of retinal progenitor and ganglion cell differentiation <b>2022</b> , 149,	1
218	TET2 Inactivation Restrains IL-10-producing Regulatory B cells to Enable Anti-tumor Immunity in Hepatocellular Carcinoma <b>2022</b> ,	1
217	The Role of Ten-Eleven Translocation Proteins in Inflammation 2022, 13, 861351	O
216	The N-terminal domain of TET1 promotes the formation of dense chromatin regions refractory to transcription <b>2022</b> , 1	1
215	Occurrence and quantities of DNA modifications across the tree of life.	
214	Magnetic Immunosensor Coupled to Enzymatic Signal for Determination of Genomic DNA Methylation <b>2022</b> , 12,	О
213	Targeting Epigenetic Regulatory Enzymes for Cancer Therapeutics: Novel Small-Molecule Epidrug Development <b>2022</b> , 12, 848221	3
212	Ascorbic acid and all-trans retinoic acid promote proliferation of chicken blastoderm cells (cBCs) by mediating DNA demethylation <b>2022</b> , 58, 199	O

211	Tet-mediated DNA demethylation regulates specification of hematopoietic stem and progenitor cells during mammalian embryogenesis <b>2022</b> , 8, eabm3470	О
210	TET2-mediated epigenetic reprogramming of breast cancer cells impairs lysosome biogenesis <b>2022</b> , 5,	
209	Biological roles of RNA mC modification and its implications in Cancer immunotherapy <b>2022</b> , 10, 15	2
208	Regulation of expression by single CpG methylation in downstream of transcription initiation site <b>2022</b> , 25, 104118	
207	Acute air pollution exposure increases TETs in human PBMCs 2022,	
206	Stability and context of intercalated motifs (i-motifs) for biological applications 2022,	O
205	The Effect of Zinc Finger Domain Protein Spalt Like Transcription Factor 4 (SALL4A)-Mediated DNA Demethylation on Cardiac Development and Function. <b>2022</b> , 12, 1385-1390	
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198	Roles of Key Epigenetic Regulators in the Gene Transcription and Progression of Prostate Cancer <b>2021</b> , 8, 743376	
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195	Methylation Markers in Cutaneous Melanoma: Unravelling the Potential Utility of Their Tracking by Liquid Biopsy <b>2021</b> , 13,	1
194	Variable oxygen environments and DNMT2 determine the DNA cytosine epigenetic landscape of Plasmodium falciparum.	

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192	Computational study of the pK a values of a modified GIC base pair in duplex DNA. <b>2022</b> , 43, 201-209	
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188	The Human Epigenome. <b>2022</b> , 3-25	
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171	Gadd45 in DNA Demethylation and DNA Repair 2022, 1360, 55-67	0
170	Disturbance of calcium homeostasis and myogenesis caused by TET2 deletion in muscle stem cells <b>2022</b> , 8, 236	1
169	Epigenetic Regulations of Perineural Invasion in Head and Neck Squamous Cell Carcinoma <b>2022</b> , 13, 848557	
168	Complex cross-talk between EZH2 and miRNAs confers hallmark characteristics and shapes the tumor microenvironment <b>2022</b> ,	1
167	Epi-miRNAs: Modern mediators of methylation status in human cancers <b>2022</b> , e1735	1
166	Epigenetics and 5-Hydroxymethylcytosines as a Biomarker in Type 2 Diabetes. <b>2022</b> , 1-18	
165	A photo-elutable and template-free isothermal amplification strategy for sensitive fluorescence detection of 5-formylcytosine in genomic DNA. <b>2022</b> ,	
164	Genetic and Epigenetic Biomarkers Related to 2-Oxoglutarate/Fe(II)-Dependent Oxygenases and Implications for Disease and Toxicology. <b>2022</b> , 1-28	
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134	Harnessing Nature Molecular Recognition Capabilities to Map and Study RNA Modifications. <b>2022</b> , 55, 2271-2279	O
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129	The Anti-Leukemia Effect of Ascorbic Acid: From the Pro-Oxidant Potential to the Epigenetic Role in Acute Myeloid Leukemia. 10,	
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126	Epigenetic Control of Vascular Smooth Muscle Cell Function in Atherosclerosis: A Role for DNA Methylation.	1
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95	MXene Enhanced Photoactivity of Bi2O3/Bi2S3 Heterojunction with G-wire Superstructure for Photoelectrochemical Detection of TET1 Protein.	0
94	Vitamin C epigenetically controls osteogenesis and bone mineralization. <b>2022</b> , 13,	1
93	BRAF Inhibitor Resistance in Melanoma: Mechanisms and Alternative Therapeutic Strategies.	2
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90	Modulation of DNA/RNA Methylation Signaling Mediating Metabolic Homeostasis in Cancer. <b>2022</b> , 201-237	О
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88	Epigenetic mechanisms of cadmium-induced nephrotoxicity. <b>2022</b> , 100372	O
87	Synthetic lethal targeting ofTET2-mutant hematopoietic stem and progenitor cells by XPO1 inhibitors.	0
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83	Ultrasensitive Simultaneous Detection of Multiple Rare Modified Nucleosides as Promising Biomarkers in Low-Put Breast Cancer DNA Samples for Clinical Multi-Dimensional Diagnosis. <b>2022</b> , 27, 7041	O
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