

# Tomasz Jurkowski

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

3,096  
citations

201575

27  
h-index

243529

44  
g-index

50  
all docs

50  
docs citations

50  
times ranked

4819  
citing authors

#	ARTICLE	IF	CITATIONS
1	TET-mediated DNA hydroxymethylation is negatively influenced by the PARP-dependent PARylation. <i>Epigenetics and Chromatin</i> , 2022, 15, 11.	1.8	4
2	Epigenetic Modulation of Radiation-Induced Diacylglycerol Kinase Alpha Expression Prevents Pro-Fibrotic Fibroblast Response. <i>Cancers</i> , 2021, 13, 2455.	1.7	8
3	Technologies and applications for the assessment of 5-hydroxymethylcytosine. , 2020, , 261-278.		2
4	Enzymatic Hydroxylation and Excision of Extended 5-Methylcytosine Analogues. <i>Journal of Molecular Biology</i> , 2020, 432, 6157-6167.	2.0	6
5	Different forms of African cassava mosaic virus capsid protein within plants and virions. <i>Virology</i> , 2019, 529, 81-90.	1.1	7
6	Non-invasive detection of DNA methylation states in carcinoma and pluripotent stem cells using Raman microspectroscopy and imaging. <i>Scientific Reports</i> , 2019, 9, 7014.	1.6	24
7	Bio-On-Magnetic-Beads (BOMB): Open platform for high-throughput nucleic acid extraction and manipulation. <i>PLoS Biology</i> , 2019, 17, e3000107.	2.6	168
8	Simple Synthesis of Functionalized Paramagnetic Beads for Nucleic Acid Purification and Manipulation. <i>Bio-protocol</i> , 2019, 9, e3394.	0.2	8
9	Enrichment of Cxcl12 promoter with TET2: A possible link between promoter demethylation and enhanced gene expression in the absence of PARP-1. <i>Archives of Biological Sciences</i> , 2019, 71, 455-462.	0.2	1
10	Establishment, Erasure and Synthetic Reprogramming of DNA Methylation in Mammalian Cells. <i>RNA Technologies</i> , 2019, , 1-26.	0.2	1
11	Target specificity of mammalian DNA methylation and demethylation machinery. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1419-1435.	1.5	43
12	Capturing and Stabilizing Folded Proteins in Lattices Formed with Branched Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2018, 19, 1523-1530.	1.3	3
13	Mechanism and biological role of Dnmt2 in Nucleic Acid Methylation. <i>RNA Biology</i> , 2017, 14, 1108-1123.	1.5	156
14	Targeted epigenetic editing of SPDEF reduces mucus production in lung epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L334-L347.	1.3	35
15	H3K14ac is linked to methylation of H3K9 by the triple Tudor domain of SETDB1. <i>Nature Communications</i> , 2017, 8, 2057.	5.8	72
16	Hit-and-run epigenetic editing prevents senescence entry in primary breast cells from healthy donors. <i>Nature Communications</i> , 2017, 8, 1450.	5.8	86
17	The RNA methyltransferase Dnmt2 methylates DNA in the structural context of a tRNA. <i>RNA Biology</i> , 2017, 14, 1241-1251.	1.5	51
18	Efficient targeted DNA methylation with chimeric dCas9-Dnmt3a-Dnmt3L methyltransferase. <i>Nucleic Acids Research</i> , 2017, 45, 1703-1713.	6.5	224

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19	Retinol and ascorbate drive erasure of epigenetic memory and enhance reprogramming to naïve pluripotency by complementary mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12202-12207.	3.3	139
20	Genome-wide hydroxymethylcytosine pattern changes in response to oxidative stress. <i>Scientific Reports</i> , 2015, 5, 12714.	1.6	48
21	Cytosine methylation of tRNA-Asp by DNMT2 has a role in translation of proteins containing poly-Asp sequences. <i>Cell Discovery</i> , 2015, 1, 15010.	3.1	63
22	Somatic cancer mutations in the DNMT2 tRNA methyltransferase alter its catalytic properties. <i>Biochimie</i> , 2015, 112, 66-72.	1.3	41
23	Synthetic epigenetics towards intelligent control of epigenetic states and cell identity. <i>Clinical Epigenetics</i> , 2015, 7, 18.	1.8	59
24	Conformation and activity of lipase B from <i>Candida antarctica</i> in bicontinuous microemulsions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 131, 108-114.	2.5	12
25	Investigation of the C-terminal domain of the bacterial DNA-(adenine N6)-methyltransferase CcrM. <i>Biochimie</i> , 2015, 119, 60-67.	1.3	5
26	Molecular signatures of plastic phenotypes in two eusocial insect species with simple societies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13970-13975.	3.3	192
27	The Dnmt2 RNA methyltransferase homolog of <i>Geobacter sulfurreducens</i> specifically methylates tRNA-Glu. <i>Nucleic Acids Research</i> , 2014, 42, 6487-6496.	6.5	27
28	Regulation of DNA Methylation Patterns by CK2-Mediated Phosphorylation of Dnmt3a. <i>Cell Reports</i> , 2014, 8, 743-753.	2.9	66
29	Targeted Methylation and Gene Silencing of VEGF-A in Human Cells by Using a Designed Dnmt3a-Dnmt3L Single-Chain Fusion Protein with Increased DNA Methylation Activity. <i>Journal of Molecular Biology</i> , 2013, 425, 479-491.	2.0	138
30	Target recognition, RNA methylation activity and transcriptional regulation of the <i>Dictyostelium discoideum</i> Dnmt2-homologue (DnmA). <i>Nucleic Acids Research</i> , 2013, 41, 8615-8627.	6.5	56
31	The <i>Caulobacter crescentus</i> DNA-(adenine-N6)-methyltransferase CcrM methylates DNA in a distributive manner. <i>Nucleic Acids Research</i> , 2012, 40, 1708-1716.	6.5	22
32	Pmt1, a Dnmt2 homolog in <i>Schizosaccharomyces pombe</i> , mediates tRNA methylation in response to nutrient signaling. <i>Nucleic Acids Research</i> , 2012, 40, 11648-11658.	6.5	70
33	Mapping the tRNA Binding Site on the Surface of Human DNMT2 Methyltransferase. <i>Biochemistry</i> , 2012, 51, 4438-4444.	1.2	17
34	DNA Interaction of the CcrM DNA Methyltransferase: A Mutational and Modeling Study. <i>ChemBioChem</i> , 2012, 13, 1304-1311.	1.3	9
35	Auto-methylation of the mouse DNA-(cytosine C5)-methyltransferase Dnmt3a at its active site cysteine residue. <i>FEBS Journal</i> , 2011, 278, 2055-2063.	2.2	16
36	Structure and Function of Mammalian DNA Methyltransferases. <i>ChemBioChem</i> , 2011, 12, 206-222.	1.3	561

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37	Approaches to Enzyme and Substrate Design of the Murine Dnmt3a DNA Methyltransferase. ChemBioChem, 2011, 12, 1589-1594.	1.3	29
38	Burning off DNA Methylation: New Evidence for Oxygen-Dependent DNA Demethylation. ChemBioChem, 2011, 12, 2543-2545.	1.3	18
39	On the Evolutionary Origin of Eukaryotic DNA Methyltransferases and Dnmt2. PLoS ONE, 2011, 6, e28104.	1.1	103
40	DNA Methylation Analysis of Chromosome 21 Gene Promoters at Single Base Pair and Single Allele Resolution. PLoS Genetics, 2009, 5, e1000438.	1.5	143
41	Mapping of Protein-Protein Interaction Sites by the "Absence of Interference"™ Approach. Journal of Molecular Biology, 2008, 376, 1091-1099.	2.0	14
42	Human DNMT2 methylates tRNA <sup>Asp</sup> molecules using a DNA methyltransferase-like catalytic mechanism. Rna, 2008, 14, 1663-1670.	1.6	153
43	Bisulfite sequencing Data Presentation and Compilation (BDPC) web server—a useful tool for DNA methylation analysis. Nucleic Acids Research, 2008, 36, e34-e34.	6.5	56
44	The M.EcoRV DNA-(Adenine N6)-methyltransferase Uses DNA Bending for Recognition of an Expanded EcoDam Recognition Site. Journal of Biological Chemistry, 2007, 282, 36942-36952.	1.6	15
45	Application of DNA methyltransferases in targeted DNA methylation. Applied Microbiology and Biotechnology, 2007, 75, 1233-1240.	1.7	29
46	Mutational Analysis of the Catalytic Domain of the Murine Dnmt3a DNA-(cytosine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (C5)-m	2.0	83