

Pål Å Falnes

List of Publications by Year in descending order

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60
papers

4,608
citations

126708

33
h-index

128067

60
g-index

60
all docs

60
docs citations

60
times ranked

3983
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein methylation in mitochondria. <i>Journal of Biological Chemistry</i> , 2022, 298, 101791.	1.6	18
2	The methyltransferase METTL9 mediates pervasive 1-methylhistidine modification in mammalian proteomes. <i>Nature Communications</i> , 2021, 12, 891.	5.8	54
3	Human METTL18 is a histidine-specific methyltransferase that targets RPL3 and affects ribosome biogenesis and function. <i>Nucleic Acids Research</i> , 2021, 49, 3185-3203.	6.5	34
4	The human methyltransferase ZCCHC4 catalyses N6-methyladenosine modification of 28S ribosomal RNA. <i>Nucleic Acids Research</i> , 2020, 48, 830-846.	6.5	88
5	Human FAM173A is a mitochondrial lysine-specific methyltransferase that targets adenine nucleotide translocase and affects mitochondrial respiration. <i>Journal of Biological Chemistry</i> , 2019, 294, 11654-11664.	1.6	18
6	Lysine methylation by the mitochondrial methyltransferase FAM173B optimizes the function of mitochondrial ATP synthase. <i>Journal of Biological Chemistry</i> , 2019, 294, 1128-1141.	1.6	18
7	Regulation of eukaryotic elongation factor 1 alpha (eEF1A) by dynamic lysine methylation. <i>RNA Biology</i> , 2018, 15, 314-319.	1.5	37
8	The dual methyltransferase METTL13 targets N terminus and Lys55 of eEF1A and modulates codon-specific translation rates. <i>Nature Communications</i> , 2018, 9, 3411.	5.8	81
9	Identification of FAM173B as a protein methyltransferase promoting chronic pain. <i>PLoS Biology</i> , 2018, 16, e2003452.	2.6	22
10	A System for Enzymatic Lysine Methylation in a Desired Sequence Context. <i>ACS Omega</i> , 2017, 2, 462-469.	1.6	2
11	The novel lysine specific methyltransferase METTL21B affects mRNA translation through inducible and dynamic methylation of Lys-165 in human eukaryotic elongation factor 1 alpha (eEF1A). <i>Nucleic Acids Research</i> , 2017, 45, gkx002.	6.5	64
12	Methylation of human eukaryotic elongation factor alpha (eEF1A) by a member of a novel protein lysine methyltransferase family modulates mRNA translation. <i>Nucleic Acids Research</i> , 2017, 45, 8239-8254.	6.5	44
13	Uncovering human METTL12 as a mitochondrial methyltransferase that modulates citrate synthase activity through metabolite-sensitive lysine methylation. <i>Journal of Biological Chemistry</i> , 2017, 292, 17950-17962.	1.6	27
14	Protein lysine methylation by seven- β -strand methyltransferases. <i>Biochemical Journal</i> , 2016, 473, 1995-2009.	1.7	92
15	The METTL20 Homologue from <i>Agrobacterium tumefaciens</i> Is a Dual Specificity Protein-lysine Methyltransferase That Targets Ribosomal Protein L7/L12 and the β Subunit of Electron Transfer Flavoprotein (ETF β). <i>Journal of Biological Chemistry</i> , 2016, 291, 9581-9595.	1.6	14
16	Correspondence: On the enzymology and significance of HSPA1 lysine methylation. <i>Nature Communications</i> , 2016, 7, 11464.	5.8	18
17	Hsp70 (HSPA1) Lysine Methylation Status as a Potential Prognostic Factor in Metastatic High-Grade Serous Carcinoma. <i>PLoS ONE</i> , 2015, 10, e0140168.	1.1	15
18	Lysine Methylation of the Valosin-Containing Protein (VCP) Is Dispensable for Development and Survival of Mice. <i>PLoS ONE</i> , 2015, 10, e0141472.	1.1	14

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19	Human METTL20 Is a Mitochondrial Lysine Methyltransferase That Targets the Î² Subunit of Electron Transfer Flavoprotein (ETFÎ²) and Modulates Its Activity. <i>Journal of Biological Chemistry</i> , 2015, 290, 423-434.	1.6	48
20	Differential repair of etheno-DNA adducts by bacterial and human AlkB proteins. <i>DNA Repair</i> , 2015, 30, 1-10.	1.3	33
21	<i>Saccharomyces cerevisiae</i> Eukaryotic Elongation Factor 1A (eEF1A) Is Methylated at Lys-390 by a METTL21-Like Methyltransferase. <i>PLoS ONE</i> , 2015, 10, e0131426.	1.1	47
22	Role of ALKBH8 in the Synthesis of Wobble Uridine Modifications in tRNA. 2-Oxoglutarate-Dependent Oxygenases, 2015, , 275-288.	0.8	1
23	Protozoan ALKBH8 Oxygenases Display both DNA Repair and tRNA Modification Activities. <i>PLoS ONE</i> , 2014, 9, e98729.	1.1	28
24	Identification and Characterization of a Novel Evolutionarily Conserved Lysine-specific Methyltransferase Targeting Eukaryotic Translation Elongation Factor 2 (eEF2). <i>Journal of Biological Chemistry</i> , 2014, 289, 30499-30510.	1.6	56
25	<i>lkbkãp/Elp1</i> Deficiency Causes Male Infertility by Disrupting Meiotic Progression. <i>PLoS Genetics</i> , 2013, 9, e1003516.	1.5	45
26	Identification and Characterization of a Novel Human Methyltransferase Modulating Hsp70 Protein Function through Lysine Methylation. <i>Journal of Biological Chemistry</i> , 2013, 288, 27752-27763.	1.6	93
27	The DNA dioxygenase ALKBH2 protects <i>Arabidopsis thaliana</i> against methylation damage. <i>Nucleic Acids Research</i> , 2012, 40, 6620-6631.	6.5	24
28	Lysine methylation of VCP by a member of a novel human protein methyltransferase family. <i>Nature Communications</i> , 2012, 3, 1038.	5.8	110
29	Human ALKBH4 Interacts with Proteins Associated with Transcription. <i>PLoS ONE</i> , 2012, 7, e49045.	1.1	27
30	The <i>Schizosaccharomyces pombe</i> AlkB homolog Abh1 exhibits AP lyase activity but no demethylase activity. <i>DNA Repair</i> , 2012, 11, 453-462.	1.3	16
31	ALKBH8-mediated formation of a novel diastereomeric pair of wobble nucleosides in mammalian tRNA. <i>Nature Communications</i> , 2011, 2, 172.	5.8	149
32	Roles of Trm9- and ALKBH8-like proteins in the formation of modified wobble uridines in <i>Arabidopsis</i> tRNA. <i>Nucleic Acids Research</i> , 2011, 39, 7688-7701.	6.5	48
33	Spectroscopic and magnetic studies of wild-type and mutant forms of the Fe(II)- and 2-oxoglutarate-dependent decarboxylase ALKBH4. <i>Biochemical Journal</i> , 2011, 434, 391-398.	1.7	21
34	Mammalian ALKBH8 Possesses tRNA Methyltransferase Activity Required for the Biogenesis of Multiple Wobble Uridine Modifications Implicated in Translational Decoding. <i>Molecular and Cellular Biology</i> , 2010, 30, 1814-1827.	1.1	191
35	Bioinformatics and functional analysis define four distinct groups of AlkB DNA-dioxygenases in bacteria. <i>Nucleic Acids Research</i> , 2009, 37, 7124-7136.	6.5	34
36	Viral AlkB proteins repair RNA damage by oxidative demethylation. <i>Nucleic Acids Research</i> , 2008, 36, 5451-5461.	6.5	109

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37	AlkB Homologue 2â€™Mediated Repair of Ethenoadenine Lesions in Mammalian DNA. <i>Cancer Research</i> , 2008, 68, 4142-4149.	0.4	71
38	Repair deficient mice reveal mABH2 as the primary oxidative demethylase for repairing 1meA and 3meC lesions in DNA. <i>EMBO Journal</i> , 2006, 25, 2189-2198.	3.5	164
39	RNA Repair - The Latest Addition To The Toolbox For Macromolecular Maintenance. <i>RNA Biology</i> , 2005, 2, 14-16.	1.5	6
40	Repair of 3-methylthymine and 1-methylguanine lesions by bacterial and human AlkB proteins. <i>Nucleic Acids Research</i> , 2004, 32, 6260-6267.	6.5	98
41	The <i>Bacillus subtilis</i> Counterpart of the Mammalian 3-Methyladenine DNA Glycosylase Has Hypoxanthine and 1,N6-Ethenoadenine as Preferred Substrates. <i>Journal of Biological Chemistry</i> , 2004, 279, 13601-13606.	1.6	24
42	Substrate specificities of bacterial and human AlkB proteins. <i>Nucleic Acids Research</i> , 2004, 32, 3456-3461.	6.5	104
43	AlkB Restores the Biological Function of mRNA and tRNA Inactivated by Chemical Methylation. <i>Molecular Cell</i> , 2004, 16, 107-116.	4.5	179
44	Human and bacterial oxidative demethylases repair alkylation damage in both RNA and DNA. <i>Nature</i> , 2003, 421, 859-863.	13.7	558
45	DNA repair by bacterial AlkB proteins. <i>Research in Microbiology</i> , 2003, 154, 531-538.	1.0	39
46	AlkB-mediated oxidative demethylation reverses DNA damage in <i>Escherichia coli</i> . <i>Nature</i> , 2002, 419, 178-182.	13.7	561
47	Ability of the Tat Basic Domain and VP22 To Mediate Cell Binding, but Not Membrane Translocation of the Diphtheria Toxin A-Fragmentâ€™. <i>Biochemistry</i> , 2001, 40, 4349-4358.	1.2	86
48	Penetration of protein toxins into cells. <i>Current Opinion in Cell Biology</i> , 2000, 12, 407-413.	2.6	253
49	Probing Pores with Peptide Plugs. <i>Journal of General Physiology</i> , 2000, 115, 417-420.	0.9	7
50	Requirement for Prolonged Action in the Cytosol for Optimal Protein Synthesis Inhibition by Diphtheria Toxin. <i>Journal of Biological Chemistry</i> , 2000, 275, 4363-4368.	1.6	29
51	Externally Added aFGF Mutants Do Not Require Extensive Unfolding for Transport to the Cytosol and the Nucleus in NIH/3T3 Cells. <i>Biochemistry</i> , 2000, 39, 15091-15100.	1.2	24
52	Toxins that are activated by HIV type-1 protease through removal of a signal for degradation by the N-end-rule pathway. <i>Biochemical Journal</i> , 1999, 343, 199-207.	1.7	11
53	Toxins that are activated by HIV type-1 protease through removal of a signal for degradation by the N-end-rule pathway. <i>Biochemical Journal</i> , 1999, 343, 199.	1.7	7
54	Characterization of Membrane Translocation by Anthrax Protective Antigenâ€™. <i>Biochemistry</i> , 1998, 37, 15737-15746.	1.2	203

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55	Inability of the Acidic Fibroblast Growth Factor Mutant K132E to Stimulate DNA Synthesis after Translocation into Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 11164-11172.	1.6	41
56	Cloning of an intracellular protein that binds selectively to mitogenic acidic fibroblast growth factor. <i>Biochemical Journal</i> , 1998, 336, 213-222.	1.7	54
57	Effect of mutation of cytoplasmic receptor domain and of genistein on transport of acidic fibroblast growth factor into cells. <i>Oncogene</i> , 1997, 15, 525-536.	2.6	31
58	Translocation to Cytosol of Exogenous, CAAX-tagged Acidic Fibroblast Growth Factor. <i>Journal of Biological Chemistry</i> , 1995, 270, 30680-30685.	1.6	46
59	Cell-mediated Reduction and Incomplete Membrane Translocation of Diphtheria Toxin Mutants with Internal Disulfides in the A Fragment. <i>Journal of Biological Chemistry</i> , 1995, 270, 20787-20793.	1.6	46
60	Dual mode of signal transduction by externally added acidic fibroblast growth factor. <i>Cell</i> , 1994, 76, 1039-1051.	13.5	226