

# Joan M Hevel

## List of Publications by Year in descending order

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31  
papers

1,534  
citations

516710

16  
h-index

526287

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1892  
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly versatile fungal glucosyltransferase for specific production of quercetin-7-O- $\beta$ -D-glucoside and quercetin-3-O- $\beta$ -D-glucoside in different hosts. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 227-245.	3.6	11
2	Naturally occurring cancer-associated mutations disrupt oligomerization and activity of protein arginine methyltransferase 1 (PRMT1). <i>Journal of Biological Chemistry</i> , 2021, 297, 101336.	3.4	9
3	Rapid and direct measurement of methyltransferase activity in about 30 min. <i>Methods</i> , 2020, 175, 3-9.	3.8	7
4	Toward Understanding Molecular Recognition between PRMTs and their Substrates. <i>Current Protein and Peptide Science</i> , 2020, 21, 713-724.	1.4	9
5	Modified substrate specificity of a methyltransferase domain by protein insertion into an adenylation domain of the bassianolide synthetase. <i>Journal of Biological Engineering</i> , 2019, 13, 65.	4.7	9
6	Examining Product Specificity in Protein Arginine Methyltransferase 7 (PRMT7) Using Quantum and Molecular Mechanical Simulations. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2913-2923.	5.4	10
7	Phe71 in Type III Trypanosomal Protein Arginine Methyltransferase 7 (TbPRMT7) Restricts the Enzyme to Monomethylation. <i>Biochemistry</i> , 2018, 57, 1349-1359.	2.5	21
8	Understanding protein arginine methyltransferase 1 (PRMT1) product specificity from molecular dynamics. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4949-4960.	3.0	11
9	Biochemistry and regulation of the protein arginine methyltransferases (PRMTs). <i>Archives of Biochemistry and Biophysics</i> , 2016, 590, 138-152.	3.0	140
10	Redox Control of Protein Arginine Methyltransferase 1 (PRMT1) Activity. <i>Journal of Biological Chemistry</i> , 2015, 290, 14915-14926.	3.4	36
11	Redox Control of Protein Arginine Methyltransferase 1 (PRMT1) Activity. <i>FASEB Journal</i> , 2015, 29, 717.18.	0.5	0
12	A Remodeled Protein Arginine Methyltransferase 1 (PRMT1) Generates Symmetric Dimethylarginine. <i>Journal of Biological Chemistry</i> , 2014, 289, 9320-9327.	3.4	24
13	Structural Determinants for the Strict Monomethylation Activity by <i>Trypanosoma brucei</i> Protein Arginine Methyltransferase 7. <i>Structure</i> , 2014, 22, 756-768.	3.3	43
14	Substrate-Induced Control of Product Formation by Protein Arginine Methyltransferase 1. <i>Biochemistry</i> , 2013, 52, 199-209.	2.5	41
15	Investigation of the Molecular Origins of Protein-arginine Methyltransferase I (PRMT1) Product Specificity Reveals a Role for Two Conserved Methionine Residues. <i>Journal of Biological Chemistry</i> , 2011, 286, 29118-29126.	3.4	26
16	A fast and efficient method for quantitative measurement of S-adenosyl-L-methionine-dependent methyltransferase activity with protein substrates. <i>Analytical Biochemistry</i> , 2010, 398, 218-224.	2.4	28
17	Efficient cleavage of problematic tobacco etch virus (TEV) protein arginine methyltransferase constructs. <i>Analytical Biochemistry</i> , 2009, 387, 130-132.	2.4	10
18	Novel functional view of the crocidolite asbestos-treated A549 human lung epithelial transcriptome reveals an intricate network of pathways with opposing functions. <i>BMC Genomics</i> , 2008, 9, 376.	2.8	22

#	ARTICLE	IF	CITATIONS
19	Assays for S-Adenosylmethionine (AdoMet/SAM)-Dependent Methyltransferases. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2008, 38, Unit4.26.	1.1	8
20	Determinants of oligomerization of the bifunctional protein DCoH± and the effect on its enzymatic and transcriptional coactivator activities. Archives of Biochemistry and Biophysics, 2008, 477, 356-362.	3.0	3
21	Substrate Profiling of PRMT1 Reveals Amino Acid Sequences That Extend Beyond the "RGG"-Paradigm. Biochemistry, 2008, 47, 9456-9466.	2.5	98
22	Can the DCoH± isozyme compensate in patients with 4a-hydroxy-tetrahydrobiopterin dehydratase/DCoH deficiency?. Molecular Genetics and Metabolism, 2006, 88, 38-46.	1.1	14
23	An enzyme-coupled continuous spectrophotometric assay for S-adenosylmethionine-dependent methyltransferases. Analytical Biochemistry, 2006, 350, 249-255.	2.4	139
24	Investigation of PRMT1 residues which modulate activity & control TypeI/TypeII dimethylation. FASEB Journal, 2006, 20, LB50.	0.5	0
25	Continuous assay measures methyltransferase activity: Defining the substrate specificity of rat Protein Arginine Methyltransferase 1 (PRMT1). FASEB Journal, 2006, 20, LB50.	0.5	0
26	Asbestos-induced changes in protein arginine methylation in human epithelial cells. FASEB Journal, 2006, 20, LB118.	0.5	0
27	Biosynthesis of 4-Methylproline in Cyanobacteria: Cloning of nosE and nosF Genes and Biochemical Characterization of the Encoded Dehydrogenase and Reductase Activities. Journal of Organic Chemistry, 2003, 68, 83-91.	3.2	74
28	Sequence analysis and biochemical characterization of the nostopeptolide A biosynthetic gene cluster from Nostoc sp. GSV224. Gene, 2003, 311, 171-180.	2.2	97
29	Mutation of a Strictly Conserved, Active-Site Residue Alters Substrate Specificity and Cofactor Biogenesis in a Copper Amine Oxidase. Biochemistry, 1999, 38, 3683-3693.	2.5	52
30	[25] Nitric-oxide synthase assays. Methods in Enzymology, 1994, 233, 250-258.	1.0	400
31	Macrophage nitric oxide synthase: relationship between enzyme-bound tetrahydrobiopterin and synthase activity. Biochemistry, 1992, 31, 7160-7165.	2.5	192