

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	[25] Nitric-oxide synthase assays. <i>Methods in Enzymology</i> , 1994, 233, 250-258.	1.0	400
2	Macrophage nitric oxide synthase: relationship between enzyme-bound tetrahydrobiopterin and synthase activity. <i>Biochemistry</i> , 1992, 31, 7160-7165.	2.5	192
3	Biochemistry and regulation of the protein arginine methyltransferases (PRMTs). <i>Archives of Biochemistry and Biophysics</i> , 2016, 590, 138-152.	3.0	140
4	An enzyme-coupled continuous spectrophotometric assay for S-adenosylmethionine-dependent methyltransferases. <i>Analytical Biochemistry</i> , 2006, 350, 249-255.	2.4	139
5	Substrate Profiling of PRMT1 Reveals Amino Acid Sequences That Extend Beyond the "RGG" Paradigm. <i>Biochemistry</i> , 2008, 47, 9456-9466.	2.5	98
6	Sequence analysis and biochemical characterization of the nostopeptolide A biosynthetic gene cluster from <i>Nostoc</i> sp. GSV224. <i>Gene</i> , 2003, 311, 171-180.	2.2	97
7	Biosynthesis of 4-Methylproline in Cyanobacteria: Cloning of nosE and nosF Genes and Biochemical Characterization of the Encoded Dehydrogenase and Reductase Activities. <i>Journal of Organic Chemistry</i> , 2003, 68, 83-91.	3.2	74
8	Mutation of a Strictly Conserved, Active-Site Residue Alters Substrate Specificity and Cofactor Biogenesis in a Copper Amine Oxidase. <i>Biochemistry</i> , 1999, 38, 3683-3693.	2.5	52
9	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
10	Substrate-Induced Control of Product Formation by Protein Arginine Methyltransferase 1. <i>Biochemistry</i> , 2013, 52, 199-209.	2.5	41
11	Redox Control of Protein Arginine Methyltransferase 1 (PRMT1) Activity. <i>Journal of Biological Chemistry</i> , 2015, 290, 14915-14926.	3.4	36
12	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
13	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
14	A Remodeled Protein Arginine Methyltransferase 1 (PRMT1) Generates Symmetric Dimethylarginine. <i>Journal of Biological Chemistry</i> , 2014, 289, 9320-9327.	3.4	24
15	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
16	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
17	Can the DCoH± isozyme compensate in patients with 4a-hydroxy-tetrahydrobiopterin dehydratase/DCoH deficiency?. <i>Molecular Genetics and Metabolism</i> , 2006, 88, 38-46.	1.1	14
18	Understanding protein arginine methyltransferase 1 (PRMT1) product specificity from molecular dynamics. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4949-4960.	3.0	11

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19	A highly versatile fungal glucosyltransferase for specific production of quercetin-7-O-β-d-glucoside and quercetin-3-O-β-d-glucoside in different hosts. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 227-245.	3.6	11
20	Efficient cleavage of problematic tobacco etch virus (TEV) protein arginine methyltransferase constructs. <i>Analytical Biochemistry</i> , 2009, 387, 130-132.	2.4	10
21	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
22	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
23	Toward Understanding Molecular Recognition between PRMTs and their Substrates. <i>Current Protein and Peptide Science</i> , 2020, 21, 713-724.	1.4	9
24	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
25	Assays for S-Adenosylmethionine (AdoMet/SAM)-Dependent Methyltransferases. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et al]</i> , 2008, 38, Unit4.26.	1.1	8
26	Rapid and direct measurement of methyltransferase activity in about 30 min. <i>Methods</i> , 2020, 175, 3-9.	3.8	7
27	Determinants of oligomerization of the bifunctional protein DCoH± and the effect on its enzymatic and transcriptional coactivator activities. <i>Archives of Biochemistry and Biophysics</i> , 2008, 477, 356-362.	3.0	3
28	Investigation of PRMT1 residues which modulate activity & control TypeI/TypeII dimethylation. <i>FASEB Journal</i> , 2006, 20, LB50.	0.5	0
29	Continuous assay measures methyltransferase activity: Defining the substrate specificity of rat Protein Arginine Methyltransferase 1 (PRMT1). <i>FASEB Journal</i> , 2006, 20, LB50.	0.5	0
30	Asbestos-induced changes in protein arginine methylation in human epithelial cells. <i>FASEB Journal</i> , 2006, 20, LB118.	0.5	0
31	Redox Control of Protein Arginine Methyltransferase 1 (PRMT1) Activity. <i>FASEB Journal</i> , 2015, 29, 717.18.	0.5	0