Mathew L Coleman

List of Publications by Year
in descending order

38 papers	5,185 citations	218677 26 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	8391 citing authors

#	Article	IF	Citations
1	Factor inhibiting HIF can catalyze two asparaginyl hydroxylations in VNVN motifs of ankyrin fold proteins. Journal of Biological Chemistry, 2022, 298, 102020.	3.4	4
2	Precisely Tuned Inhibition of HIF Prolyl Hydroxylases Is Key for Cardioprotection After Ischemia. Circulation Research, 2021, 128, 1208-1210.	4.5	7
3	Developmentally regulated GTPases: structure, function and roles in disease. Cellular and Molecular Life Sciences, 2021, 78, 7219-7235.	5.4	11
4	First-in-Class Inhibitors of the Ribosomal Oxygenase MINA53. Journal of Medicinal Chemistry, 2021, 64, 17031-17050.	6.4	7
5	Hypoxia drives glucose transporter 3 expression through hypoxia-inducible transcription factor (HIF)â€“mediated induction of the long noncoding RNA NICI. Journal of Biological Chemistry, 2020, 295, 4065-4078.	3.4	34
6	Human 2-oxoglutarate-dependent oxygenases: nutrient sensors, stress responders, and disease mediators. Biochemical Society Transactions, 2020, 48, 1843-1858.	3.4	20
7	Myc-induced nuclear antigen constrains a latent intestinal epithelial cell-intrinsic anthelmintic pathway. PLoS ONE, 2019, 14, e0211244.	2.5	5
8	Systemic silencing of Phd2 causes reversible immune regulatory dysfunction. Journal of Clinical Investigation, 2019, 129, 3640-3656.	8.2	30
9	The emerging roles of ribosomal histidyl hydroxylases in cell biology, physiology and disease. Cellular and Molecular Life Sciences, 2018, 75, 4093-4105.	5.4	19
10	The Jumonji-C oxygenase JMJD7 catalyzes (3S)-lysyl hydroxylation of TRAFAC GTPases. Nature Chemical Biology, 2018, 14, 688-695.	8.0	31
11	Tumour hypoxia causes DNA hypermethylation by reducing TET activity. Nature, 2016, 537, 63-68.	27.8	521
12	Modifying the maker: Oxygenases target ribosome biology. Translation, 2015, 3, e1009331.	2.9	9
13	OH, the Places Youâ€™ll Go! Hydroxylation, Gene Expression, and Cancer. Molecular Cell, 2015, 58, 729-741.	9.7	67
14	Optimal Translational Termination Requires C4 Lysyl Hydroxylation of eRF1. Molecular Cell, 2014, 53, 645-654.	9.7	99
15	OGFOD1 catalyzes prolyl hydroxylation of RPS23 and is involved in translation control and stress granule formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4031-4036.	7.1	105
16	Dynamic regulatory network controlling TH17 cell differentiation. Nature, 2013, 496, 461-468.	27.8	608
17	Oxygenase-catalyzed ribosome hydroxylation occurs in prokaryotes and humans. Nature Chemical Biology, 2012, 8, 960-962.	8.0	135
18	The hypoxiaâ€inducible transcription factor pathway regulates oxygen sensing in the simplest animal, Trichoplax adhaerens. EMBO Reports, 2011, 12, 63-70.	4.5	210

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19	Asparagine and Aspartate Hydroxylation of the Cytoskeletal Ankyrin Family Is Catalyzed by Factor-inhibiting Hypoxia-inducible Factor. Journal of Biological Chemistry, 2011, 286, 7648-7660.	3.4	63
20	PHF8, a gene associated with cleft lip/palate and mental retardation, encodes for an Nîµ-dimethyl lysine demethylase. Human Molecular Genetics, 2010, 19, 217-222.	2.9	153
21	Small-Molecule-Based Inhibition of Histone Demethylation in Cells Assessed by Quantitative Mass Spectrometry. Journal of Proteome Research, 2010, 9, 4082-4092.	3.7	56
22	Signalling Cross Talk of the HIF System: Involvement of the FIH Protein. Current Pharmaceutical Design, 2009, 15, 3904-3907.	1.9	34
23	Sprouty2 Association with B-Raf Is Regulated by Phosphorylation and Kinase Conformation. Cancer Research, 2009, 69, 6773-6781.	0.9	30
24	Hypoxia, hypoxia-inducible factors (HIF), HIF hydroxylases and oxygen sensing. Cellular and Molecular Life Sciences, 2009, 66, 3539-3554.	5.4	229
25	Angiogenesis: escape from hypoxia. Nature Medicine, 2009, 15, 491-493.	30.7	10
26	Asparagine Î²-hydroxylation stabilizes the ankyrin repeat domain fold. Molecular BioSystems, 2009, 5, 52-58.	2.9	49
27	MYPT1, the targeting subunit of smooth-muscle myosin phosphatase, is a substrate for the asparaginyl hydroxylase factor inhibiting hypoxia-inducible factor (FIH). Biochemical Journal, 2009, 420, 327-336.	3.7	27
28	Asparaginyl Hydroxylation of the Notch Ankyrin Repeat Domain by Factor Inhibiting Hypoxia-inducible Factor. Journal of Biological Chemistry, 2007, 282, 24027-24038.	3.4	189
29	Oxygen sensing and hypoxia-induced responses. Essays in Biochemistry, 2007, 43, 1-16.	4.7	51
30	Stability of p21Waf1/Cip1 CDK inhibitor protein is responsive to RhoA-mediated regulation of the actin cytoskeleton. Oncogene, 2006, 25, 2708-2716.	5.9	34
31	Posttranslational hydroxylation of ankyrin repeats in IÂB proteins by the hypoxia-inducible factor (HIF) asparaginyl hydroxylase, factor inhibiting HIF (FIH). Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14767-14772.	7.1	258
32	Actin-myosinâ€“based contraction is responsible for apoptotic nuclear disintegration. Journal of Cell Biology, 2005, 168, 245-255.	5.2	189
33	SPRY2 Is an Inhibitor of the Ras/Extracellular Signal-Regulated Kinase Pathway in Melanocytes and Melanoma Cells with Wild-Type BRAF but Not with the V599E Mutant. Cancer Research, 2004, 64, 5556-5559.	0.9	107
34	RAS and RHO GTPases in G1-phase cell-cycle regulation. Nature Reviews Molecular Cell Biology, 2004, 5, 355-366.	37.0	309
35	Ras promotes p21Waf1/Cip1 protein stability via a cyclin D1-imposed block in proteasome-mediated degradation. EMBO Journal, 2003, 22, 2036-2046.	7.8	133
36	Rho GTPase signalling pathways in the morphological changes associated with apoptosis. Cell Death and Differentiation, 2002, 9, 493-504.	11.2	220

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37	A family outing: small GTPases cyclin' through G1. Nature Cell Biology, 2001, 3, E250-E251.	10.3	23
38	Membrane blebbing during apoptosis results from caspase-mediated activation of ROCK I. Nature Cell Biology, 2001, 3, 339-345.	10.3	1,099