

Christopher W Pugh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4870853/publications.pdf>

Version: 2024-02-01

38
papers

13,642
citations

201385

27
h-index

315357

38
g-index

38
all docs

38
docs citations

38
times ranked

13237
citing authors

#	ARTICLE	IF	CITATIONS
1	The tumour suppressor protein VHL targets hypoxia-inducible factors for oxygen-dependent proteolysis. <i>Nature</i> , 1999, 399, 271-275.	13.7	4,528
2	<i>C. elegans</i> EGL-9 and Mammalian Homologs Define a Family of Dioxygenases that Regulate HIF by Prolyl Hydroxylation. <i>Cell</i> , 2001, 107, 43-54.	13.5	3,293
3	Differential Function of the Prolyl Hydroxylases PHD1, PHD2, and PHD3 in the Regulation of Hypoxia-inducible Factor. <i>Journal of Biological Chemistry</i> , 2004, 279, 38458-38465.	1.6	918
4	Contrasting Properties of Hypoxia-Inducible Factor 1 (HIF-1) and HIF-2 in von Hippel-Lindau-Associated Renal Cell Carcinoma. <i>Molecular and Cellular Biology</i> , 2005, 25, 5675-5686.	1.1	847
5	Structural basis for the recognition of hydroxyproline in HIF-1 α by pVHL. <i>Nature</i> , 2002, 417, 975-978.	13.7	651
6	Hypoxia-inducible Factor (HIF) Asparagine Hydroxylase Is Identical to Factor Inhibiting HIF (FIH) and Is Related to the Cupin Structural Family. <i>Journal of Biological Chemistry</i> , 2002, 277, 26351-26355.	1.6	624
7	Structure of Factor-inhibiting Hypoxia-inducible Factor (HIF) Reveals Mechanism of Oxidative Modification of HIF-1 α . <i>Journal of Biological Chemistry</i> , 2003, 278, 1802-1806.	1.6	342
8	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. <i>Nature Genetics</i> , 2015, 47, 717-726.	9.4	310
9	Posttranslational hydroxylation of ankyrin repeats in I κ B proteins by the hypoxia-inducible factor (HIF) asparaginyl hydroxylase, factor inhibiting HIF (FIH). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14767-14772.	3.3	258
10	Identification of novel hypoxia dependent and independent target genes of the von Hippel-Lindau (VHL) tumour suppressor by mRNA differential expression profiling. <i>Oncogene</i> , 2000, 19, 6297-6305.	2.6	245
11	Molecular and cellular mechanisms of HIF prolyl hydroxylase inhibitors in clinical trials. <i>Chemical Science</i> , 2017, 8, 7651-7668.	3.7	174
12	Differential Sensitivity of Hypoxia Inducible Factor Hydroxylation Sites to Hypoxia and Hydroxylase Inhibitors. <i>Journal of Biological Chemistry</i> , 2011, 286, 13041-13051.	1.6	148
13	2-Oxoglutarate analogue inhibitors of hif prolyl hydroxylase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 2677-2680.	1.0	144
14	Structural basis for oxygen degradation domain selectivity of the HIF prolyl hydroxylases. <i>Nature Communications</i> , 2016, 7, 12673.	5.8	109
15	Selective Small Molecule Probes for the Hypoxia Inducible Factor (HIF) Prolyl Hydroxylases. <i>ACS Chemical Biology</i> , 2013, 8, 1488-1496.	1.6	105
16	Identification of Hypoxically Inducible mRNAs in HeLa Cells Using Differential-Display PCR. <i>FEBS Journal</i> , 1996, 241, 403-410.	0.2	98
17	Tuning the Transcriptional Response to Hypoxia by Inhibiting Hypoxia-inducible Factor (HIF) Prolyl and Asparaginyl Hydroxylases. <i>Journal of Biological Chemistry</i> , 2016, 291, 20661-20673.	1.6	91
18	Hypoxia and HIF pathway in cancer and the placenta. <i>Placenta</i> , 2017, 56, 8-13.	0.7	86

#	ARTICLE	IF	CITATIONS
19	Regulation of ventilatory sensitivity and carotid body proliferation in hypoxia by the PHD2/HIF-1 pathway. <i>Journal of Physiology</i> , 2016, 594, 1179-1195.	1.3	68
20	Analogues of dealanylallopurin are inhibitors of human HIF prolyl hydroxylases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 1451-1454.	1.0	65
21	Potent and Selective Triazole-Based Inhibitors of the Hypoxia-Inducible Factor Prolyl-Hydroxylases with Activity in the Murine Brain. <i>PLoS ONE</i> , 2015, 10, e0132004.	1.1	57
22	Fumarate Hydratase Deletion in Pancreatic β Cells Leads to Progressive Diabetes. <i>Cell Reports</i> , 2017, 20, 3135-3148.	2.9	57
23	<i>Drosophila melanogaster</i> SL2 cells contain a hypoxically inducible DNA binding complex which recognises mammalian HIF-1 binding sites. <i>FEBS Letters</i> , 1996, 387, 161-166.	1.3	53
24	Carotid body hyperplasia and enhanced ventilatory responses to hypoxia in mice with heterozygous deficiency of PHD2. <i>Journal of Physiology</i> , 2013, 591, 3565-3577.	1.3	53
25	Modulation of the Hypoxic Response. <i>Advances in Experimental Medicine and Biology</i> , 2016, 903, 259-271.	0.8	41
26	PHD2 inactivation in Type I cells drives HIF-1 α -dependent multilineage hyperplasia and the formation of paraganglioma-like carotid bodies. <i>Journal of Physiology</i> , 2018, 596, 4393-4412.	1.3	37
27	Multiparameter persistent homology landscapes identify immune cell spatial patterns in tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
28	Marked and rapid effects of pharmacological HIF-2 α antagonism on hypoxic ventilatory control. <i>Journal of Clinical Investigation</i> , 2020, 130, 2237-2251.	3.9	32
29	The relationship between symptoms and blood pressure during maintenance hemodialysis. <i>Hemodialysis International</i> , 2015, 19, 543-552.	0.4	28
30	The clinical academic workforce of the future: a cross-sectional study of factors influencing career decision-making among clinical PhD students at two research-intensive UK universities. <i>BMJ Open</i> , 2017, 7, e016823.	0.8	23
31	Recent advances in the biology of tumour hypoxia with relevance to diagnostic practice and tissue-based research. <i>Journal of Pathology</i> , 2020, 250, 593-611.	2.1	23
32	Structure-Activity Relationship and Crystallographic Studies on 4-Hydroxypyrimidine HIF Prolyl Hydroxylase Domain Inhibitors. <i>ChemMedChem</i> , 2020, 15, 270-273.	1.6	21
33	Heart Rate Variability as an Indicator of Autonomic Nervous System Disturbance in Tetanus. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 102, 403-407.	0.6	21
34	Hypoxia shapes the immune landscape in lung injury and promotes the persistence of inflammation. <i>Nature Immunology</i> , 2022, 23, 927-939.	7.0	21
35	Non-contact vital-sign monitoring of patients undergoing haemodialysis treatment. <i>Scientific Reports</i> , 2020, 10, 18529.	1.6	18
36	Oxygen sensing in cancer. <i>Annals of Medicine</i> , 2003, 35, 380-390.	1.5	12

#	ARTICLE	IF	CITATIONS
37	Precisely Tuned Inhibition of HIF Prolyl Hydroxylases Is Key for Cardioprotection After Ischemia. Circulation Research, 2021, 128, 1208-1210.	2.0	7
38	Postdoctoral progression is needed for doctors taking up clinical academic careers. BMJ, The, 2015, 351, h6927.	3.0	1