

# Cormac T Taylor

## List of Publications by Year in descending order

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148  
papers

18,901  
citations

15504

65  
h-index

12272

133  
g-index

148  
all docs

148  
docs citations

148  
times ranked

23359  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Succinate is an inflammatory signal that induces IL-1 $\beta$ through HIF-1 $\alpha$ . <i>Nature</i> , 2013, 496, 238-242.                                                                                                                       | 27.8 | 2,845     |
| 2  | Crosstalk between Microbiota-Derived Short-Chain Fatty Acids and Intestinal Epithelial HIF Augments Tissue Barrier Function. <i>Cell Host and Microbe</i> , 2015, 17, 662-671.                                                                   | 11.0 | 1,162     |
| 3  | Selective Activation of Inflammatory Pathways by Intermittent Hypoxia in Obstructive Sleep Apnea Syndrome. <i>Circulation</i> , 2005, 112, 2660-2667.                                                                                            | 1.6  | 793       |
| 4  | Prolyl hydroxylase-1 negatively regulates I $\kappa$ B kinase-beta, giving insight into hypoxia-induced NF $\kappa$ B activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18154-18159. | 7.1  | 687       |
| 5  | Redistribution of Intracellular Oxygen in Hypoxia by Nitric Oxide: Effect on HIF-1 $\alpha$ . <i>Science</i> , 2003, 302, 1975-1978.                                                                                                             | 12.6 | 671       |
| 6  | Regulation of immunity and inflammation by hypoxia in immunological niches. <i>Nature Reviews Immunology</i> , 2017, 17, 774-785.                                                                                                                | 22.7 | 430       |
| 7  | Hypoxia-responsive transcription factors. <i>Pflugers Archiv European Journal of Physiology</i> , 2005, 450, 363-371.                                                                                                                            | 2.8  | 396       |
| 8  | Hypoxia-Inducible Factor 1 $\alpha$ -Dependent Induction of Intestinal Trefoil Factor Protects Barrier Function during Hypoxia. <i>Journal of Experimental Medicine</i> , 2001, 193, 1027-1034.                                                  | 8.5  | 386       |
| 9  | Hypoxia: an alarm signal during intestinal inflammation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2010, 7, 281-287.                                                                                                               | 17.8 | 376       |
| 10 | Transmigrating Neutrophils Shape the Mucosal Microenvironment through Localized Oxygen Depletion to Influence Resolution of Inflammation. <i>Immunity</i> , 2014, 40, 66-77.                                                                     | 14.3 | 373       |
| 11 | Regulation of glycolysis by the hypoxia-inducible factor (HIF): implications for cellular physiology. <i>Journal of Physiology</i> , 2021, 599, 23-37.                                                                                           | 2.9  | 371       |
| 12 | The Hydroxylase Inhibitor Dimethyloxalylglycine Is Protective in a Murine Model of Colitis. <i>Gastroenterology</i> , 2008, 134, 156-165.e1.                                                                                                     | 1.3  | 366       |
| 13 | Predictors of Elevated Nuclear Factor- $\kappa$ B-dependent Genes in Obstructive Sleep Apnea Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 824-830.                                                   | 5.6  | 325       |
| 14 | Interdependent roles for hypoxia inducible factor and nuclear factor- $\kappa$ B in hypoxic inflammation. <i>Journal of Physiology</i> , 2008, 586, 4055-4059.                                                                                   | 2.9  | 294       |
| 15 | Cardiovascular disease in obstructive sleep apnoea syndrome: the role of intermittent hypoxia and inflammation. <i>European Respiratory Journal</i> , 2009, 33, 1195-1205.                                                                       | 6.7  | 289       |
| 16 | Hypoxia and gastrointestinal disease. <i>Journal of Molecular Medicine</i> , 2007, 85, 1295-1300.                                                                                                                                                | 3.9  | 275       |
| 17 | Mitochondria and cellular oxygen sensing in the HIF pathway. <i>Biochemical Journal</i> , 2008, 409, 19-26.                                                                                                                                      | 3.7  | 273       |
| 18 | MicroRNA-155 Promotes Resolution of Hypoxia-Inducible Factor 1 $\alpha$ Activity during Prolonged Hypoxia. <i>Molecular and Cellular Biology</i> , 2011, 31, 4087-4096.                                                                          | 2.3  | 253       |

| #  | ARTICLE                                                                                                                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Reoxygenation-specific activation of the antioxidant transcription factor Nrf2 mediates cytoprotective gene expression in ischemia-reperfusion injury. <i>FASEB Journal</i> , 2006, 20, 2624-2626.                                                             | 0.5 | 231       |
| 20 | Neutrophil-derived 5 $\beta$ -Adenosine Monophosphate Promotes Endothelial Barrier Function via CD73-mediated Conversion to Adenosine and Endothelial A2B Receptor Activation. <i>Journal of Experimental Medicine</i> , 1998, 188, 1433-1443.                 | 8.5 | 210       |
| 21 | A mitochondria-targeted <i>S</i> -nitrosothiol modulates respiration, nitrosates thiols, and protects against ischemia-reperfusion injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10764-10769.    | 7.1 | 205       |
| 22 | Synovial tissue hypoxia and inflammation in vivo. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, 1389-1395.                                                                                                                                               | 0.9 | 198       |
| 23 | Systemic inflammation: a key factor in the pathogenesis of cardiovascular complications in obstructive sleep apnoea syndrome?. <i>Postgraduate Medical Journal</i> , 2009, 85, 693-698.                                                                        | 1.8 | 191       |
| 24 | Nitric Oxide, Cytochrome C Oxidase, and the Cellular Response to Hypoxia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 643-647.                                                                                                       | 2.4 | 183       |
| 25 | Autocrine regulation of epithelial permeability by hypoxia: Role for polarized release of tumor necrosis factor $\alpha$ . <i>Gastroenterology</i> , 1998, 114, 657-668.                                                                                       | 1.3 | 182       |
| 26 | Loss of Prolyl Hydroxylase-1 Protects Against Colitis Through Reduced Epithelial Cell Apoptosis and Increased Barrier Function. <i>Gastroenterology</i> , 2010, 139, 2093-2101.                                                                                | 1.3 | 175       |
| 27 | PGC-1 $\alpha$ is coupled to HIF-1 $\alpha$ -dependent gene expression by increasing mitochondrial oxygen consumption in skeletal muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2188-2193. | 7.1 | 172       |
| 28 | Small ubiquitin-related modifier-1 modification mediates resolution of CREB-dependent responses to hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 986-991.                                       | 7.1 | 164       |
| 29 | Stabilization of Hypoxia-inducible Factor-1 $\alpha$ Protein in Hypoxia Occurs Independently of Mitochondrial Reactive Oxygen Species Production. <i>Journal of Biological Chemistry</i> , 2010, 285, 31277-31284.                                             | 3.4 | 154       |
| 30 | The Role of NF- $\kappa$ B in Hypoxia-Induced Gene Expression. <i>Annals of the New York Academy of Sciences</i> , 2009, 1177, 178-184.                                                                                                                        | 3.8 | 153       |
| 31 | Hypoxia-dependent regulation of inflammatory pathways in immune cells. <i>Journal of Clinical Investigation</i> , 2016, 126, 3716-3724.                                                                                                                        | 8.2 | 151       |
| 32 | 15-Epi-16-(Para-Fluorophenoxy)-Lipoxin A4-Methyl Ester, a Synthetic Analogue of 15-epi-Lipoxin A4, Is Protective in Experimental Ischemic Acute Renal Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 1657-1662.               | 6.1 | 147       |
| 33 | Prolyl hydroxylase 3 (PHD3) is essential for hypoxic regulation of neutrophilic inflammation in humans and mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 1053-1063.                                                                              | 8.2 | 147       |
| 34 | Regulation of IL-1 $\beta$ -induced NF- $\kappa$ B by hydroxylases links key hypoxic and inflammatory signaling pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18490-18495.                     | 7.1 | 145       |
| 35 | Protein Hydroxylation by Hypoxia-Inducible Factor (HIF) Hydroxylases: Unique or Ubiquitous?. <i>Cells</i> , 2019, 8, 384.                                                                                                                                      | 4.1 | 142       |
| 36 | Modification of the transcriptomic response to renal ischemia/reperfusion injury by lipoxin analog. <i>Kidney International</i> , 2003, 64, 480-492.                                                                                                           | 5.2 | 138       |

| #  | ARTICLE                                                                                                                                                                                                                                      | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | The Role of HIF-1 $\alpha$ in Transcriptional Regulation of the Proximal Tubular Epithelial Cell Response to Hypoxia. <i>Journal of Biological Chemistry</i> , 2003, 278, 40296-40304.                                                       | 3.4  | 138       |
| 38 | An Intact Canonical NF- $\kappa$ B Pathway Is Required for Inflammatory Gene Expression in Response to Hypoxia. <i>Journal of Immunology</i> , 2011, 186, 1091-1096.                                                                         | 0.8  | 134       |
| 39 | Angiogenesis and blood vessel stability in inflammatory arthritis. <i>Arthritis and Rheumatism</i> , 2010, 62, 711-721.                                                                                                                      | 6.7  | 132       |
| 40 | Phosphorylation-dependent targeting of cAMP response element binding protein to the ubiquitin/proteasome pathway in hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12091-12096. | 7.1  | 122       |
| 41 | Targeting the HIF pathway in inflammation and immunity. <i>Current Opinion in Pharmacology</i> , 2013, 13, 646-653.                                                                                                                          | 3.5  | 119       |
| 42 | Cardiovascular risk markers in obstructive sleep apnoea syndrome and correlation with obesity. <i>Thorax</i> , 2007, 62, 509-514.                                                                                                            | 5.6  | 118       |
| 43 | The impact of hypoxia on bacterial infection. <i>FEBS Journal</i> , 2015, 282, 2260-2266.                                                                                                                                                    | 4.7  | 116       |
| 44 | The role of HIF in immunity and inflammation. <i>Molecular Aspects of Medicine</i> , 2016, 47-48, 24-34.                                                                                                                                     | 6.4  | 115       |
| 45 | The effect of HIF on metabolism and immunity. <i>Nature Reviews Nephrology</i> , 2022, 18, 573-587.                                                                                                                                          | 9.6  | 114       |
| 46 | A dynamic model of the hypoxia-inducible factor 1-alpha (HIF-1 $\alpha$ ) network. <i>Journal of Cell Science</i> , 2013, 126, 1454-63.                                                                                                      | 2.0  | 112       |
| 47 | Ancient Atmospheres and the Evolution of Oxygen Sensing Via the Hypoxia-Inducible Factor in Metazoans. <i>Physiology</i> , 2010, 25, 272-279.                                                                                                | 3.1  | 108       |
| 48 | Carbon dioxide-sensing in organisms and its implications for human disease. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 831-845.                                                                                                 | 5.4  | 107       |
| 49 | A critical role for p38 map kinase in NF- $\kappa$ B signaling during intermittent hypoxia/reoxygenation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 728-733.                                                   | 2.1  | 106       |
| 50 | Hypoxia and Innate Immunity: Keeping Up with the HIFsters. <i>Annual Review of Immunology</i> , 2020, 38, 341-363.                                                                                                                           | 21.8 | 105       |
| 51 | c-Jun NH2-Terminal Kinase Activation Contributes to Hypoxia-Inducible Factor 1 $\alpha$ -Dependent P-Glycoprotein Expression in Hypoxia. <i>Cancer Research</i> , 2004, 64, 9057-9061.                                                       | 0.9  | 103       |
| 52 | Hypoxia Activates NF- $\kappa$ B-Dependent Gene Expression Through the Canonical Signaling Pathway. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2057-2064.                                                                           | 5.4  | 103       |
| 53 | Gremlin Plays a Key Role in the Pathogenesis of Pulmonary Hypertension. <i>Circulation</i> , 2012, 125, 920-930.                                                                                                                             | 1.6  | 100       |
| 54 | Hypoxia Increases Antibiotic Resistance in <i>Pseudomonas aeruginosa</i> through Altering the Composition of Multidrug Efflux Pumps. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2114-2118.                                     | 3.2  | 99        |

| #  | ARTICLE                                                                                                                                                                                                                     | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Angiogenin protects motoneurons against hypoxic injury. <i>Cell Death and Differentiation</i> , 2009, 16, 1238-1247.                                                                                                        | 11.2 | 98        |
| 56 | The Hydroxylase Inhibitor Dimethyloxallyl Glycine Attenuates Endotoxic Shock Via Alternative Activation of Macrophages and IL-10 Production by B1 Cells. <i>Shock</i> , 2011, 36, 295-302.                                  | 2.1  | 90        |
| 57 | NF- $\kappa$ B Links CO <sub>2</sub> Sensing to Innate Immunity and Inflammation in Mammalian Cells. <i>Journal of Immunology</i> , 2010, 185, 4439-4445.                                                                   | 0.8  | 89        |
| 58 | Potential of Glucocorticoid Activity in Hypoxia through Induction of the Glucocorticoid Receptor. <i>Journal of Immunology</i> , 2005, 174, 2250-2257.                                                                      | 0.8  | 86        |
| 59 | Critical Role of cAMP Response Element Binding Protein Expression in Hypoxia-elicited Induction of Epithelial Tumor Necrosis Factor- $\alpha$ . <i>Journal of Biological Chemistry</i> , 1999, 274, 19447-19454.            | 3.4  | 83        |
| 60 | Hypoxia. Regulation of NF- $\kappa$ B signalling during inflammation: the role of hydroxylases. <i>Arthritis Research and Therapy</i> , 2009, 11, 215.                                                                      | 3.5  | 79        |
| 61 | Substrate-Trapped Interactors of PHD3 and FIH Cluster in Distinct Signaling Pathways. <i>Cell Reports</i> , 2016, 14, 2745-2760.                                                                                            | 6.4  | 79        |
| 62 | FIH Regulates Cellular Metabolism through Hydroxylation of the Deubiquitinase OTUB1. <i>PLoS Biology</i> , 2016, 14, e1002347.                                                                                              | 5.6  | 78        |
| 63 | Mechanisms and Consequences of Oxygen and Carbon Dioxide Sensing in Mammals. <i>Physiological Reviews</i> , 2020, 100, 463-488.                                                                                             | 28.8 | 75        |
| 64 | NF- $\kappa$ B and HIF display synergistic behaviour during hypoxic inflammation. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1319-1329.                                                                        | 5.4  | 72        |
| 65 | Prolyl hydroxylase 2 inactivation enhances glycogen storage and promotes excessive neutrophilic responses. <i>Journal of Clinical Investigation</i> , 2017, 127, 3407-3420.                                                 | 8.2  | 71        |
| 66 | Hypoxia Modulates Infection of Epithelial Cells by <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2013, 8, e56491.                                                                                                       | 2.5  | 69        |
| 67 | Hypoxia Inducible Factor (HIF) Hydroxylases as Regulators of Intestinal Epithelial Barrier Function. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 3, 303-315.                                      | 4.5  | 67        |
| 68 | Hypoxia Selectively Activates the CREB Family of Transcription Factors in the <i>In Vivo</i> Lung. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 977-983.                                  | 5.6  | 64        |
| 69 | Alterations in oxidative gene expression in equine skeletal muscle following exercise and training. <i>Physiological Genomics</i> , 2010, 40, 83-93.                                                                        | 2.3  | 64        |
| 70 | Hypoxia, innate immunity and infection in the lung. <i>Respiratory Physiology and Neurobiology</i> , 2010, 174, 235-243.                                                                                                    | 1.6  | 63        |
| 71 | The impact of hypoxia on cell death pathways. <i>Biochemical Society Transactions</i> , 2013, 41, 657-663.                                                                                                                  | 3.4  | 63        |
| 72 | Human adipocytes are highly sensitive to intermittent hypoxia induced NF- $\kappa$ B activity and subsequent inflammatory gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 660-665. | 2.1  | 63        |

| #  | ARTICLE                                                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Targeted delivery of the hydroxylase inhibitor DMOG provides enhanced efficacy with reduced systemic exposure in a murine model of colitis. <i>Journal of Controlled Release</i> , 2015, 217, 221-227.                                                               | 9.9 | 63        |
| 74 | Regulation of Oxygen Distribution in Tissues by Endothelial Nitric Oxide. <i>Circulation Research</i> , 2009, 104, 1178-1183.                                                                                                                                        | 4.5 | 62        |
| 75 | REST is a hypoxia-responsive transcriptional repressor. <i>Scientific Reports</i> , 2016, 6, 31355.                                                                                                                                                                  | 3.3 | 60        |
| 76 | Sensing intracellular oxygen using near-infrared phosphorescent probes and live-cell fluorescence imaging. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1613-R1620.                                       | 1.8 | 56        |
| 77 | Monitoring of cell oxygenation and responses to metabolic stimulation by intracellular oxygen sensing technique. <i>Integrative Biology (United Kingdom)</i> , 2010, 2, 443-451.                                                                                     | 1.3 | 56        |
| 78 | Anoxia and glucose supplementation preserve neutrophil viability and function. <i>Blood</i> , 2016, 128, 993-1002.                                                                                                                                                   | 1.4 | 55        |
| 79 | Epithelial permeability induced by neutrophil transmigration is potentiated by hypoxia: Role of intracellular cAMP. <i>Journal of Cellular Physiology</i> , 1998, 176, 76-84.                                                                                        | 4.1 | 54        |
| 80 | Oxygen, Hypoxia, and Stress. <i>Annals of the New York Academy of Sciences</i> , 2007, 1113, 87-94.                                                                                                                                                                  | 3.8 | 54        |
| 81 | REST mediates resolution of HIF-dependent gene expression in prolonged hypoxia. <i>Scientific Reports</i> , 2015, 5, 17851.                                                                                                                                          | 3.3 | 54        |
| 82 | Regulation of the Hypoxia-Inducible Factor (HIF) by Pro-Inflammatory Cytokines. <i>Cells</i> , 2021, 10, 2340.                                                                                                                                                       | 4.1 | 54        |
| 83 | Small Ubiquitin-related Modifier (SUMO)-1 Promotes Glycolysis in Hypoxia. <i>Journal of Biological Chemistry</i> , 2011, 286, 4718-4726.                                                                                                                             | 3.4 | 53        |
| 84 | PHD3 Regulates p53 Protein Stability by Hydroxylating Proline 359. <i>Cell Reports</i> , 2018, 24, 1316-1329.                                                                                                                                                        | 6.4 | 51        |
| 85 | <i>Trypanosoma brucei</i> metabolite indolepyruvate decreases HIF-1 $\alpha$ and glycolysis in macrophages as a mechanism of innate immune evasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7778-E7787. | 7.1 | 50        |
| 86 | The autonomic nervous system and inflammatory bowel disease. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 133, 104-114.                                                                                                                                 | 2.8 | 49        |
| 87 | Hypercapnia Induces Cleavage and Nuclear Localization of RelB Protein, Giving Insight into CO <sub>2</sub> Sensing and Signaling. <i>Journal of Biological Chemistry</i> , 2012, 287, 14004-14011.                                                                   | 3.4 | 48        |
| 88 | Hypercapnia Suppresses the HIF-dependent Adaptive Response to Hypoxia. <i>Journal of Biological Chemistry</i> , 2016, 291, 11800-11808.                                                                                                                              | 3.4 | 47        |
| 89 | The hypoxia-inducible factor (HIF) couples immunity with metabolism. <i>Seminars in Immunology</i> , 2016, 28, 469-477.                                                                                                                                              | 5.6 | 45        |
| 90 | Hypoxia induces epithelial amphiregulin gene expression in a CREB-dependent manner. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C592-C600.                                                                                                  | 4.6 | 43        |

| #   | ARTICLE                                                                                                                                                                                                                                                            | IF  | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Therapeutic targets for hypoxia-elicited pathways. <i>Pharmaceutical Research</i> , 1999, 16, 1498-1505.                                                                                                                                                           | 3.5 | 41        |
| 92  | Hypoxia-sensitive pathways in inflammation-driven fibrosis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1369-R1380.                                                                                    | 1.8 | 40        |
| 93  | Hydroxylases as therapeutic targets in inflammatory bowel disease. <i>Laboratory Investigation</i> , 2013, 93, 378-383.                                                                                                                                            | 3.7 | 39        |
| 94  | The regulation of transcriptional repression in hypoxia. <i>Experimental Cell Research</i> , 2017, 356, 173-181.                                                                                                                                                   | 2.6 | 39        |
| 95  | Regulation of gene expression by carbon dioxide. <i>Journal of Physiology</i> , 2011, 589, 797-803.                                                                                                                                                                | 2.9 | 38        |
| 96  | Hydroxylase-dependent regulation of the NF- $\kappa$ B pathway. <i>Biological Chemistry</i> , 2013, 394, 479-493.                                                                                                                                                  | 2.5 | 37        |
| 97  | Hypoxia-sensitive pathways in intestinal inflammation. <i>Journal of Physiology</i> , 2018, 596, 2985-2989.                                                                                                                                                        | 2.9 | 32        |
| 98  | Hypoxia inhibits cyclic nucleotide-stimulated epithelial ion transport: role for nucleotide cyclases as oxygen sensors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1998, 284, 568-75.                                                          | 2.5 | 31        |
| 99  | Extracellular calcium depletion transiently elevates oxygen consumption in neurosecretory PC12 cells through activation of mitochondrial Na <sup>+</sup> /Ca <sup>2+</sup> exchange. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1627-1637. | 1.0 | 29        |
| 100 | Prolyl hydroxylase-1 regulates hepatocyte apoptosis in an NF- $\kappa$ B-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 579-586.                                                                                        | 2.1 | 26        |
| 101 | Hypoxic Regulation of NF- $\kappa$ B Signaling. <i>Methods in Enzymology</i> , 2007, 435, 479-492.                                                                                                                                                                 | 1.0 | 25        |
| 102 | Regulation of intestinal epithelial gene expression in hypoxia. <i>Kidney International</i> , 2004, 66, 528-531.                                                                                                                                                   | 5.2 | 24        |
| 103 | Understanding complexity in the HIF signaling pathway using systems biology and mathematical modeling. <i>Journal of Molecular Medicine</i> , 2016, 94, 377-390.                                                                                                   | 3.9 | 24        |
| 104 | The PHD1 oxygen sensor in health and disease. <i>Journal of Physiology</i> , 2018, 596, 3899-3913.                                                                                                                                                                 | 2.9 | 24        |
| 105 | Elevated CO <sub>2</sub> regulates the Wnt signaling pathway in mammals, <i>Drosophila melanogaster</i> and <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2019, 9, 18251.                                                                            | 3.3 | 24        |
| 106 | Glucose reintroduction triggers the activation of Nrf2 during experimental ischemia reperfusion. <i>Molecular and Cellular Biochemistry</i> , 2012, 366, 231-238.                                                                                                  | 3.1 | 23        |
| 107 | Hydroxylase inhibition reduces synaptic transmission and protects against a glutamate-induced ischemia in the CA1 region of the rat hippocampus. <i>Neuroscience</i> , 2010, 167, 1014-1024.                                                                       | 2.3 | 22        |
| 108 | Hypoxia Reduces the Pathogenicity of <i>Pseudomonas aeruginosa</i> by Decreasing the Expression of Multiple Virulence Factors. <i>Journal of Infectious Diseases</i> , 2017, 215, 1459-1467.                                                                       | 4.0 | 22        |

| #   | ARTICLE                                                                                                                                                                                                                              | IF  | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | The transcription factor HIF-1 $\alpha$ mediates plasticity of NKp46+ innate lymphoid cells in the gut. <i>Journal of Experimental Medicine</i> , 2022, 219, .                                                                       | 8.5 | 22        |
| 110 | Wnt6 regulates epithelial cell differentiation and is dysregulated in renal fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F35-F45.                                                                 | 2.7 | 21        |
| 111 | Hydroxylase inhibition regulates inflammation-induced intestinal fibrosis through the suppression of ERK-mediated TGF- $\beta$ 1 signaling. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G1076-G1090.       | 3.4 | 21        |
| 112 | Regulation of protein phosphatase 1 $\beta$ activity in hypoxia through increased interaction with NIPP1: Implications for cellular metabolism. <i>Journal of Cellular Physiology</i> , 2006, 209, 211-218.                          | 4.1 | 20        |
| 113 | SUMO, hypoxia and the regulation of metabolism. <i>Biochemical Society Transactions</i> , 2008, 36, 445-448.                                                                                                                         | 3.4 | 19        |
| 114 | Basic fibroblast growth factor modifies the hypoxic response of human bone marrow stromal cells by ERK-mediated enhancement of HIF-1 $\alpha$ activity. <i>Stem Cell Research</i> , 2014, 12, 646-658.                               | 0.7 | 19        |
| 115 | Lower Expression of Nrf2 mRNA in Older Donor Livers: A Possible Contributor to Increased Ischemia-â€œReperfusion Injury?. <i>Transplantation</i> , 2007, 84, 1272-1278.                                                              | 1.0 | 18        |
| 116 | Ubiquitin Protein Modification and Signal Transduction: Implications for Inflammatory Bowel Diseases. <i>Inflammatory Bowel Diseases</i> , 2005, 11, 1097-1107.                                                                      | 1.9 | 16        |
| 117 | Paricalcitol protects against TGF- $\beta$ 1-induced fibrotic responses in hypoxia and stabilises HIF-1 $\alpha$ in renal epithelia. <i>Experimental Cell Research</i> , 2015, 330, 371-381.                                         | 2.6 | 16        |
| 118 | Increased Virulence of Bloodstream Over Peripheral Isolates of <i>P. aeruginosa</i> Identified Through Post-transcriptional Regulation of Virulence Factors. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 357. | 3.9 | 16        |
| 119 | Pharmacologic inhibition of hypoxia-inducible factor (HIF)-hydroxylases ameliorates allergic contact dermatitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 753-766.                            | 5.7 | 16        |
| 120 | Mucosal inflammation downregulates PHD1 expression promoting a barrier-protective HIF-1 $\alpha$ response in ulcerative colitis patients. <i>FASEB Journal</i> , 2020, 34, 3732-3742.                                                | 0.5 | 16        |
| 121 | Determinants of hypoxia-inducible factor activity in the intestinal mucosa. <i>Journal of Applied Physiology</i> , 2017, 123, 1328-1334.                                                                                             | 2.5 | 13        |
| 122 | Hypoxia in the Gut. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 61-62.                                                                                                                                  | 4.5 | 12        |
| 123 | Collagen release by human hepatic stellate cells requires vitamin C and is efficiently blocked by hydroxylase inhibition. <i>FASEB Journal</i> , 2021, 35, e21219.                                                                   | 0.5 | 12        |
| 124 | Inhibition of HIF-prolyl hydroxylases improves healing of intestinal anastomoses. <i>JCI Insight</i> , 2021, 6, .                                                                                                                    | 5.0 | 11        |
| 125 | Hypoxia-inducible factor hydroxylase inhibition enhances the protective effects of cyclosporine in colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G90-G97.                                           | 3.4 | 10        |
| 126 | Non-dipping nocturnal blood pressure correlates with obstructive sleep apnoea severity in normotensive subjects and may reverse with therapy. <i>ERJ Open Research</i> , 2021, 7, 00338-2021.                                        | 2.6 | 9         |



| #   | ARTICLE                                                                                                                                                                                                                                                                                                                             | IF  | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | HIF1 $\alpha$ -Dependent Induction of TFRC by a Combination of Intestinal Inflammation and Systemic Iron Deficiency in Inflammatory Bowel Disease. <i>Frontiers in Physiology</i> , 0, 13, .                                                                                                                                        | 2.8 | 8         |
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