Yatrik M Shah

List of Publications by Year
in descending order

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95 papers	5,437 citations	76326 40 h-index	95266 68 g-index
101 all docs	101 docs citations	101 times ranked	7306 citing authors

#	Article	IF	Citations
1	Intestinal Hypoxia-Inducible Transcription Factors Are Essential for Iron Absorption following Iron Deficiency. Cell Metabolism, 2009, 9, 152-164.	16.2	353
2	CD8+ TÂcells and fatty acids orchestrate tumor ferroptosis and immunity via ACSL4. Cancer Cell, 2022, 40, 365-378.e6.	16.8	250
3	Hypoxia-Inducible Factor-2Î± Mediates the Adaptive Increase of Intestinal Ferroportin During Iron Deficiency in Mice. Gastroenterology, 2011, 140, 2044-2055.	1.3	221
4	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. Cell Metabolism, 2020, 31, 115-130.e6.	16.2	172
5	Oxygen battle in the gut: Hypoxia and hypoxia-inducible factors in metabolic and inflammatory responses in the intestine. Journal of Biological Chemistry, 2020, 295, 10493-10505.	3.4	170
6	Iron Uptake via DMT1 Integrates Cell Cycle with JAK-STAT3 Signaling to Promote Colorectal Tumorigenesis. Cell Metabolism, 2016, 24, 447-461.	16.2	168
7	Endothelial PAS Domain Protein 1 Activates the Inflammatory Response in the Intestinal Epithelium to Promote Colitis in Mice. Gastroenterology, 2013, 145, 831-841.	1.3	155
8	Tumor-selective proteotoxicity of verteporfin inhibits colon cancer progression independently of YAP1. Science Signaling, 2015, 8, ra98.	3.6	152
9	Hypoxia-inducible transcription factor 2Î± promotes steatohepatitis through augmenting lipid accumulation, inflammation, and fibrosis. Hepatology, 2011, 54, 472-483.	7.3	147
10	Hypoxia-inducible factors: a central link between inflammation and cancer. Journal of Clinical Investigation, 2016, 126, 3689-3698.	8.2	144
11	Hepatic hepcidin/intestinal HIF-2Î± axis maintains iron absorption during iron deficiency and overload. Journal of Clinical Investigation, 2018, 129, 336-348.	8.2	138
12	Hypoxia-Inducible Factors Link Iron Homeostasis and Erythropoiesis. Gastroenterology, 2014, 146, 630-642.	1.3	135
13	GOT1 inhibition promotes pancreatic cancer cell death by ferroptosis. Nature Communications, 2021, 12, 4860.	12.8	131
14	Minihepcidin peptides as disease modifiers in mice affected by Î²-thalassemia and polycythemia vera. Blood, 2016, 128, 265-276.	1.4	123
15	PPARÎ±-UGT axis activation represses intestinal FXR-FGF15 feedback signalling and exacerbates experimental colitis. Nature Communications, 2014, 5, 4573.	12.8	122
16	Hypoxia-Inducible Factor-2Î± Activation Promotes Colorectal Cancer Progression by Dysregulating Iron Homeostasis. Cancer Research, 2012, 72, 2285-2293.	0.9	115
17	Activation of intestinal hypoxia-inducible factor 2Î± during obesity contributes to hepatic steatosis. Nature Medicine, 2017, 23, 1298-1308.	30.7	108
18	HIF-2Î± activation potentiates oxidative cell death in colorectal cancers by increasing cellular iron. Journal of Clinical Investigation, 2021, 131, .	8.2	105

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19	Metabolic networks in mutant KRAS-driven tumours: tissue specificities and the microenvironment. Nature Reviews Cancer, 2021, 21, 510-525.	28.4	102
20	Reuterin in the healthy gut microbiome suppresses colorectal cancer growth through altering redox balance. Cancer Cell, 2022, 40, 185-200.e6.	16.8	97
21	Neutrophils Restrict Tumor-Associated Microbiota to Reduce Growth and Invasion of Colon Tumors in Mice. Gastroenterology, 2019, 156, 1467-1482.	1.3	85
22	Intestinal HIF2Î± promotes tissue-iron accumulation in disorders of iron overload with anemia. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4922-30.	7.1	81
23	Quantitative proteomics identifies STEAP4 as a critical regulator of mitochondrial dysfunction linking inflammation and colon cancer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9608-E9617.	7.1	77
24	Tumor suppressive role of sestrin2 during colitis and colon carcinogenesis. ELife, 2016, 5, e12204.	6.0	74
25	Biomarkers of Coordinate Metabolic Reprogramming in Colorectal Tumors in Mice and Humans. Gastroenterology, 2014, 146, 1313-1324.	1.3	73
26	Identification, isolation, and characterization of human LGR5-positive colon adenoma cells. Development (Cambridge), 2018, 145, .	2.5	70
27	The role of hypoxia in intestinal inflammation. Molecular and Cellular Pediatrics, 2016, 3, 1.	1.8	69
28	Notch and mTOR Signaling Pathways Promote Human Gastric Cancer Cell Proliferation. Neoplasia, 2019, 21, 702-712.	5.3	69
29	Intestinal non-canonical NFÎºB signaling shapes the local and systemic immune response. Nature Communications, 2019, 10, 660.	12.8	69
30	Role of Myc in hepatocellular proliferation and hepatocarcinogenesis. Journal of Hepatology, 2014, 60, 331-338.	3.7	64
31	Intestinal Iron Homeostasis and Colon Tumorigenesis. Nutrients, 2013, 5, 2333-2351.	4.1	62
32	Clostridium difficile toxins induce VEGF-A and vascular permeability to promote disease pathogenesis. Nature Microbiology, 2019, 4, 269-279.	13.3	62
33	Role of Intestinal HIF-2Î± in Health and Disease. Annual Review of Physiology, 2016, 78, 301-325.	13.1	60
34	Hypoxia-Inducible Factor/MAZ-Dependent Induction of Caveolin-1 Regulates Colon Permeability through Suppression of Occludin, Leading to Hypoxia-Induced Inflammation. Molecular and Cellular Biology, 2014, 34, 3013-3023.	2.3	59
35	Hepcidin sequesters iron to sustain nucleotide metabolism and mitochondrial function in colorectal cancer epithelial cells. Nature Metabolism, 2021, 3, 969-982.	11.9	58
36	Bacterial Siderophores That Evade or Overwhelm Lipocalin 2 Induce Hypoxia Inducible Factor 1Î± and Proinflammatory Cytokine Secretion in Cultured Respiratory Epithelial Cells. Infection and Immunity, 2014, 82, 3826-3836.	2.2	54

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37	Genetic dissection of the different roles of hypothalamic kisspeptin neurons in regulating female reproduction. ELife, 2019, 8, .	6.0	53
38	Epithelial Hypoxia-Inducible Factor 2Î± Facilitates the Progression of Colon Tumors through Recruiting Neutrophils. Molecular and Cellular Biology, 2017, 37, .	2.3	52
39	Dual modulation of human hepatic zonation via canonical and non-canonical Wnt pathways. Experimental and Molecular Medicine, 2017, 49, e413-e413.	7.7	51
40	Induction of WNT11 by hypoxia and hypoxia-inducible factor-1Î± regulates cell proliferation, migration and invasion. Scientific Reports, 2016, 6, 21520.	3.3	50
41	Adipocyte-derived Lysophosphatidylcholine Activates Adipocyte and Adipose Tissue Macrophage Nod-Like Receptor Protein 3 Inflammasomes Mediating Homocysteine-Induced Insulin Resistance. EBioMedicine, 2018, 31, 202-216.	6.1	50
42	Hypoxia-inducible factor 2Î± (HIF-2Î±) promotes colon cancer growth by potentiating Yes-associated protein 1 (YAP1) activity. Journal of Biological Chemistry, 2017, 292, 17046-17056.	3.4	49
43	Activation of HIF-1Î± does not increase intestinal tumorigenesis. American Journal of Physiology - Renal Physiology, 2014, 307, G187-G195.	3.4	42
44	HIF2 Î± Is an Essential Molecular Brake for Postprandial Hepatic Glucagon Response Independent of Insulin Signaling. Cell Metabolism, 2016, 23, 505-516.	16.2	42
45	Fatty acid binding protein-4 (FABP4) is a hypoxia inducible gene that sensitizes mice to liver ischemia/reperfusion injury. Journal of Hepatology, 2015, 63, 855-862.	3.7	41
46	Neurotensin Promotes the Development of Colitis and Intestinal Angiogenesis via Hif-1Î±â€“miR-210 Signaling. Journal of Immunology, 2016, 196, 4311-4321.	0.8	37
47	Impact of dietary manganese on experimental colitis in mice. FASEB Journal, 2020, 34, 2929-2943.	0.5	37
48	PPARÎ±-dependent exacerbation of experimental colitis by the hypolipidemic drug fenofibrate. American Journal of Physiology - Renal Physiology, 2014, 307, G564-G573.	3.4	35
49	Intestine-specific Disruption of Hypoxia-inducible Factor (HIF)-2Î± Improves Anemia in Sickle Cell Disease. Journal of Biological Chemistry, 2015, 290, 23523-23527.	3.4	35
50	Myc-Associated Zinc Finger Protein Regulates the Proinflammatory Response in Colitis and Colon Cancer via STAT3 Signaling. Molecular and Cellular Biology, 2018, 38, .	2.3	34
51	Insulin/Snail1 axis ameliorates fatty liver disease by epigenetically suppressing lipogenesis. Nature Communications, 2018, 9, 2751.	12.8	34
52	A central role for hypoxia-inducible factor (HIF)-2Î± in hepatic glucose homeostasis. Nutrition and Healthy Aging, 2017, 4, 207-216.	1.1	33
53	Metabolic requirement for GOT2 in pancreatic cancer depends on environmental context. ELife, 0, 11, .	6.0	32
54	Hypoxia-Inducible Factor (HIF)-1Î± Promotes Inflammation and Injury Following Aspiration-Induced Lung Injury in Mice. Shock, 2019, 52, 612-621.	2.1	30

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55	PPARÎ± (Peroxisome Proliferator-activated Receptor Î±) Activation Reduces Hepatic CEACAM1 Protein Expression to Regulate Fatty Acid Oxidation during Fasting-refeeding Transition. Journal of Biological Chemistry, 2016, 291, 8121-8129.	3.4	28
56	Hepatic NF-κB-inducing kinase (NIK) suppresses mouse liver regeneration in acute and chronic liver diseases. ELife, 2018, 7, .	6.0	28
57	Medullary thymic epithelial NFâ€“κB-inducing kinase (NIK)/IKKÎ± pathway shapes autoimmunity and liver and lung homeostasis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19090-19097.	7.1	25
58	Loss of von Hippel-Lindau Protein (VHL) Increases Systemic Cholesterol Levels through Targeting Hypoxia-Inducible Factor 2Î± and Regulation of Bile Acid Homeostasis. Molecular and Cellular Biology, 2014, 34, 1208-1220.	2.3	23
59	Genetic neutrophil deficiency ameliorates cerebral ischemia-reperfusion injury. Experimental Neurology, 2017, 298, 104-111.	4.1	23
60	Transcription Factor ZBP-89 Drives a Feedforward Loop of Î²-Catenin Expression in Colorectal Cancer. Cancer Research, 2016, 76, 6877-6887.	0.9	22
61	Hypoxia via ERK Signaling Inhibits Hepatic PPARÎ± to Promote Fatty Liver. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 585-597.	4.5	21
62	Cadmium Exposure Inhibits Branching Morphogenesis and Causes Alterations Consistent With HIF-1Î± Inhibition in Human Primary Breast Organoids. Toxicological Sciences, 2018, 164, 592-602.	3.1	20
63	Modulation of the HIF2Î±-NCOA4 axis in enterocytes attenuates iron loading in a mouse model of hemochromatosis. Blood, 2022, 139, 2547-2552.	1.4	20
64	Hepatic NFâ€ºBâ€‰nducing Kinase and Inhibitor of NFâ€ºB Kinase Subunit Î± Promote Liver Oxidative Stress, Ferroptosis, and Liver Injury. Hepatology Communications, 2021, 5, 1704-1720.	4.3	19
65	Effects of iron modulation on mesenchymal stem cell-induced drug resistance in estrogen receptor-positive breast cancer. Oncogene, 2022, 41, 3705-3718.	5.9	19
66	Maternal intestinal HIF-2Î± is necessary for sensing iron demands of lactation in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3738-47.	7.1	18
67	Natural Secretory Immunoglobulins Promote Enteric Viral Infections. Journal of Virology, 2018, 92, .	3.4	18
68	A genetic mouse model of severe iron deficiency anemia reveals tissue-specific transcriptional stress responses and cardiac remodeling. Journal of Biological Chemistry, 2019, 294, 14991-15002.	3.4	17
69	Colorectal cancer cells utilize autophagy to maintain mitochondrial metabolism for cell proliferation under nutrient stress. JCI Insight, 2021, 6, .	5.0	17
70	Molecular Characterization of Hypoxic Alveolar Epithelial Cells After Lung Contusion Indicates an Important Role for HIF-1Î±. Annals of Surgery, 2018, 267, 382-391.	4.2	16
71	c-Kit as a Novel Potential Therapeutic Target in ColorectalÂCancer. Gastroenterology, 2015, 149, 534-537.	1.3	15
72	Temporal induction of intestinal epithelial hypoxia-inducible factor-2Î± is sufficient to drive colitis. American Journal of Physiology - Renal Physiology, 2019, 317, G98-G107.	3.4	15

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73	HIF1-alpha Regulates Acinar Cell Function and Response to Injury in Mouse Pancreas. Gastroenterology, 2018, 154, 1630-1634.e3.	1.3	14
74	Concurrent activation of growth factor and nutrient arms of mTORC1 induces oxidative liver injury. Cell Discovery, 2019, 5, 60.	6.7	14
75	Pancreatic HIF2Î± Stabilization Leads to Chronic Pancreatitis and Predisposes to Mucinous Cystic Neoplasm. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 169-185.e2.	4.5	12
76	Enterobactin induces the chemokine, interleukin-8, from intestinal epithelia by chelating intracellular iron. Gut Microbes, 2020, 12, 1841548.	9.8	12
77	Vertical sleeve gastrectomy increases duodenal Lactobacillus spp. richness associated with the activation of intestinal HIF2Î± signaling and metabolic benefits. Molecular Metabolism, 2022, 57, 101432.	6.5	12
78	Enhancing career development of postdoctoral trainees: act locally and beyond. Journal of Physiology, 2019, 597, 2317-2322.	2.9	10
79	Integrated multiomics analysis identifies molecular landscape perturbations during hyperammonemia in skeletal muscle and myotubes. Journal of Biological Chemistry, 2021, 297, 101023.	3.4	10
80	Hypoxic Regulation of Neutrophils in Cancer. International Journal of Molecular Sciences, 2019, 20, 4189.	4.1	9
81	Indian Hedgehog Suppresses Intestinal Inflammation. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 63-64.	4.5	8
82	Gut HIF2Î± signaling is increased after VSG, and gut activation of HIF2Î± decreases weight, improves glucose, and increases GLP-1 secretion. Cell Reports, 2022, 38, 110270.	6.4	8
83	Interplay between APC and ALDH1B1 in a newly developed mouse model of colorectal cancer. Chemico-Biological Interactions, 2020, 331, 109274.	4.0	7
84	Intestinal HIF-2Î± Regulates GLP-1 Secretion via Lipid Sensing in L-Cells. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1057-1072.	4.5	7
85	Membrane Bound Peroxiredoxin-1 Serves as a Biomarker for In Vivo Detection of Sessile Serrated Adenomas. Antioxidants and Redox Signaling, 2022, 36, 39-56.	5.4	4
86	Hypoxiaâ€inducible factor (HIF)â€1Î±â€induced regulation of lung injury in pulmonary aspiration is mediated through NFâ€kB. FASEB BioAdvances, 2022, 4, 309-328.	2.4	4
87	Mitochondrial Amino Acid Metabolism Provides Vulnerabilities inÂMutant KRAS-Driven Cancers. Gastroenterology, 2016, 151, 798-801.	1.3	3
88	Rifaximin Protection of DSSâ€induced Inflammatory Bowel Disease by Inhibition of Nuclear Factor Kappa B through Activation of Human Pregnane X Receptor. FASEB Journal, 2010, 24, 969.2.	0.5	0
89	The role of hypoxiaâ€inducible factorâ€2 [alpha] in regulating colon inflammation. FASEB Journal, 2011, 25, 1123.2.	0.5	0
90	The Regulation of Hepcidin in Î²-Thalassemia. Blood, 2011, 118, 901-901.	1.4	0

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91	Hypoxiaâ€inducible factorâ€2Î± regulates intestinal inflammation and colon cancer. FASEB Journal, 2012, 26, 682.19.	0.5	0
92	Metabolomics Reveals the role of hypoxiaâ€inducible factors in hypoxiaâ€induced liver metabolic shift. FASEB Journal, 2012, 26, 699.10.	0.5	0
93	Hypoxiaâ€inducible Factorâ€2Î± Promotes Intestinal Inflammation Through Induction of Epithelial TNFâ€Î±. FASEB Journal, 2013, 27, 949.1.	0.5	0
94	Metabolomic Characterization of Red Blood Cell Differentiation. Blood, 2020, 136, 35-35.	1.4	0
95	Protocol for isolation and analysis of small volatile microbiome metabolites from human or mouse samples. STAR Protocols, 2022, 3, 101311.	1.2	0