

# Carole Peyssonnaud

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

6,184  
citations

159585

30  
h-index

214800

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

8305  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia-induced neutrophil survival is mediated by HIF-1 $\alpha$ -dependent NF- $\kappa$ B activity. <i>Journal of Experimental Medicine</i> , 2005, 201, 105-115.	8.5	762
2	The Raf/MEK/ERK pathway: new concepts of activation. <i>Biology of the Cell</i> , 2001, 93, 53-62.	2.0	619
3	HIF-1 $\alpha$ expression regulates the bactericidal capacity of phagocytes. <i>Journal of Clinical Investigation</i> , 2005, 115, 1806-1815.	8.2	608
4	Regulation of iron homeostasis by the hypoxia-inducible transcription factors (HIFs). <i>Journal of Clinical Investigation</i> , 2007, 117, 1926-1932.	8.2	538
5	Cutting Edge: Essential Role of Hypoxia Inducible Factor-1 $\alpha$ in Development of Lipopolysaccharide-Induced Sepsis. <i>Journal of Immunology</i> , 2007, 178, 7516-7519.	0.8	449
6	HIF-2 $\alpha$ , but not HIF-1 $\alpha$ , promotes iron absorption in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 1159-1166.	8.2	407
7	TLR4-dependent hepcidin expression by myeloid cells in response to bacterial pathogens. <i>Blood</i> , 2006, 107, 3727-3732.	1.4	316
8	Ras mediates the cAMP-dependent activation of extracellular signal-regulated kinases (ERKs) in melanocytes. <i>EMBO Journal</i> , 2000, 19, 2900-2910.	7.8	294
9	Mitochondria and microbiota dysfunction in COVID-19 pathogenesis. <i>Mitochondrion</i> , 2020, 54, 1-7.	3.4	245
10	Role of the hypoxia inducible factors HIF in iron metabolism. <i>Cell Cycle</i> , 2008, 7, 28-32.	2.6	177
11	Hepatic hypoxia-inducible factor-2 down-regulates hepcidin expression in mice through an erythropoietin-mediated increase in erythropoiesis. <i>Haematologica</i> , 2012, 97, 827-834.	3.5	140
12	Iron: Innocent bystander or vicious culprit in COVID-19 pathogenesis?. <i>International Journal of Infectious Diseases</i> , 2020, 97, 303-305.	3.3	139
13	Critical Role of HIF-1 $\alpha$ in Keratinocyte Defense against Bacterial Infection. <i>Journal of Investigative Dermatology</i> , 2008, 128, 1964-1968.	0.7	116
14	Raf-MEK-Erk Cascade in Anoikis Is Controlled by Rac1 and Cdc42 via Akt. <i>Molecular and Cellular Biology</i> , 2001, 21, 6706-6717.	2.3	108
15	The gut in iron homeostasis: role of HIF-2 under normal and pathological conditions. <i>Blood</i> , 2013, 122, 885-892.	1.4	90
16	Dendritic cell-derived hepcidin sequesters iron from the microbiota to promote mucosal healing. <i>Science</i> , 2020, 368, 186-189.	12.6	80
17	Pharmacologic Augmentation of Hypoxia-Inducible Factor-1 $\alpha$ with Mimosine Boosts the Bactericidal Capacity of Phagocytes. <i>Journal of Infectious Diseases</i> , 2008, 197, 214-217.	4.0	79
18	Hepcidin is localised in gastric parietal cells, regulates acid secretion and is induced by <i>Helicobacter pylori</i> infection. <i>Gut</i> , 2012, 61, 193-201.	12.1	71

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19	Targeted disruption of hepcidin in the liver recapitulates the hemochromatotic phenotype. <i>Blood</i> , 2014, 123, 3646-3650.	1.4	68
20	HIF-1 regulates heritable variation and allele expression phenotypes of the macrophage immune response gene SLC11A1 from a Z-DNA-forming microsatellite. <i>Blood</i> , 2007, 110, 3039-3048.	1.4	65
21	Iron Regulatory Protein 1 Sustains Mitochondrial Iron Loading and Function in Frataxin Deficiency. <i>Cell Metabolism</i> , 2015, 21, 311-323.	16.2	61
22	Induction of Postmitotic Neuroretina Cell Proliferation by Distinct Ras Downstream Signaling Pathways. <i>Molecular and Cellular Biology</i> , 2000, 20, 7068-7079.	2.3	57
23	The p42/p44 Mitogen-activated Protein Kinase Activation Triggers p27Kip1 Degradation Independently of CDK2/Cyclin E in NIH 3T3 Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 34958-34965.	3.4	55
24	A Raf-1 Mutant That Dissociates MEK/Extracellular Signal-Regulated Kinase Activation from Malignant Transformation and Differentiation but Not Proliferation. <i>Molecular and Cellular Biology</i> , 2003, 23, 1983-1993.	2.3	51
25	New insights into the links between hypoxia and iron homeostasis. <i>Current Opinion in Hematology</i> , 2019, 26, 125-130.	2.5	51
26	Iron Regulator Hepcidin Impairs Macrophage-Dependent Cardiac Repair After Injury. <i>Circulation</i> , 2019, 139, 1530-1547.	1.6	48
27	Copper Deficiency Leads to Anemia, Duodenal Hypoxia, Upregulation of HIF-2 $\alpha$ and Altered Expression of Iron Absorption Genes in Mice. <i>PLoS ONE</i> , 2013, 8, e59538.	2.5	48
28	Deletion of HIF-2 $\alpha$ in the enterocytes decreases the severity of tissue iron loading in hepcidin knockout mice. <i>Blood</i> , 2012, 119, 587-590.	1.4	44
29	Differential Regulation of B-Raf Isoforms by Phosphorylation and Autoinhibitory Mechanisms. <i>Molecular and Cellular Biology</i> , 2007, 27, 31-43.	2.3	35
30	An Unexpected Role for Hypoxic Response: Oxygenation and Inflammation. <i>Cell Cycle</i> , 2004, 3, 163-166.	2.6	33
31	Activation of ERK, Controlled by Rac1 and Cdc42 via Akt, Is Required for Anoikis. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 145-148.	3.8	32
32	Myeloid HIF-1 Is Protective in <i>Helicobacter pylori</i> -Mediated Gastritis. <i>Journal of Immunology</i> , 2015, 194, 3259-3266.	0.8	32
33	Epidermal hepcidin is required for neutrophil response to bacterial infection. <i>Journal of Clinical Investigation</i> , 2019, 130, 329-334.	8.2	27
34	Serum Iron Protects from Renal Postischemic Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 3605-3615.	6.1	25
35	Preeclamptic Plasma Induces Transcription Modifications Involving the AP-1 Transcriptional Regulator JDP2 in Endothelial Cells. <i>American Journal of Pathology</i> , 2013, 183, 1993-2006.	3.8	22
36	Hypoxia interferes with aryl hydrocarbon receptor pathway in hCMEC/D3 human cerebral microvascular endothelial cells. <i>Journal of Neurochemistry</i> , 2015, 132, 373-383.	3.9	22

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37	Pulmonary Iron Homeostasis in Hepcidin Knockout Mice. <i>Frontiers in Physiology</i> , 2017, 8, 804.	2.8	22
38	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
39	Myeloid HIFs Are Dispensable for Resolution of Inflammation during Skeletal Muscle Regeneration. <i>Journal of Immunology</i> , 2015, 194, 3389-3399.	0.8	21
40	Neutrophils from hereditary hemochromatosis patients are protected from iron excess and are primed. <i>Blood Advances</i> , 2020, 4, 3853-3863.	5.2	21
41	Basal expression of copper transporter 1 in intestinal epithelial cells is regulated by hypoxia-inducible factor 2 $\alpha$ . <i>FEBS Letters</i> , 2012, 586, 2423-2427.	2.8	20
42	Low transferrin levels predict heightened inflammation in patients with COVID-19: New insights. <i>International Journal of Infectious Diseases</i> , 2022, 116, 74-79.	3.3	20
43	Investigating the real role of HIF-1 and HIF-2 in iron recycling by macrophages. <i>Haematologica</i> , 2014, 99, e112-e114.	3.5	18
44	HIF1 $\alpha$ and pancreatic $\beta$ -cell development. <i>FASEB Journal</i> , 2012, 26, 2734-2742.	0.5	14
45	Hypoferraemia during the early inflammatory response is dependent on tumour necrosis factor activity in a murine model of protracted peritonitis. <i>Molecular Medicine Reports</i> , 2012, 6, 838-842.	2.4	7
46	Lack of iron-related phenotype in Sp6 intestinal knockout mice. <i>Blood Cells, Molecules, and Diseases</i> , 2011, 47, 46-49.	1.4	3
47	The Gut: Role at Steady State and Variations in Disordered Conditions. <i>Blood</i> , 2012, 120, SCI-23-SCI-23.	1.4	0