Caroline C Philpott

List of Publications by Year
in descending order

51 papers	4,459 citations	101543 36 h-index	189892 50 g-index
53 all docs	53 docs citations	53 times ranked	4479 citing authors

#	Article	IF	Citations
1	Iron Chaperone Poly rC Binding Protein 1 Protects Mouse Liver From Lipid Peroxidation and Steatosis. Hepatology, 2021, 73, 1176-1193.	7.3	101
2	The iron chaperone and nucleic acidâ€“binding activities of poly(rC)-binding protein 1 are separable and independently essential. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
3	Mitochondrial dysfunction in mouse livers depleted of iron chaperone PCBP1. Free Radical Biology and Medicine, 2021, 175, 18-27.	2.9	21
4	Iron on the move: mobilizing liver iron via NCOA4. Blood, 2020, 136, 2604-2605.	1.4	7
5	Management versus miscues in the cytosolic labile iron pool: The varied functions of iron chaperones. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118830.	4.1	49
6	RNA binding protein PCBP1 is an intracellular immune checkpoint for shaping T cell responses in cancer immunity. Science Advances, 2020, 6, eaaz3865.	10.3	32
7	PCBP2 postâ€transcriptionally regulates sortilin expression by binding to a Câ€rich element in its 3â€² UTR. FEBS Open Bio, 2020, 10, 407-413.	2.3	6
8	Achieving Life through Death: Redox Biology of Lipid Peroxidation in Ferroptosis. Cell Chemical Biology, 2020, 27, 387-408.	5.2	144
9	A PCBP1â€“BolA2 chaperone complex delivers iron for cytosolic [2Feâ€“2S] cluster assembly. Nature Chemical Biology, 2019, 15, 872-881.	8.0	81
10	The Human-Specific BOLA2 Duplication Modifies Iron Homeostasis and Anemia Predisposition in Chromosome 16p11.2 Autism Individuals. American Journal of Human Genetics, 2019, 105, 947-958.	6.2	30
11	The ins and outs of iron: Escorting iron through the mammalian cytosol. Free Radical Biology and Medicine, 2019, 133, 112-117.	2.9	71
12	The flux of iron through ferritin in erythrocyte development. Current Opinion in Hematology, 2018, 25, 183-188.	2.5	29
13	Ferritin iron regulators, PCBP1 and NCOA4, respond to cellular iron status in developing red cells. Blood Cells, Molecules, and Diseases, 2018, 69, 75-81.	1.4	45
14	Cytosolic iron chaperones: Proteins delivering iron cofactors in the cytosol of mammalian cells. Journal of Biological Chemistry, 2017, 292, 12764-12771.	3.4	95
15	PCBP1 and NCOA4 regulate erythroid iron storage and heme biosynthesis. Journal of Clinical Investigation, 2017, 127, 1786-1797.	8.2	113
16	TLR signals posttranscriptionally regulate the cytokine trafficking mediator sortilin. Scientific Reports, 2016, 6, 26566.	3.3	20
17	Poly(rC)-Binding Protein 2 Regulates Hippo Signaling To Control Growth in Breast Epithelial Cells. Molecular and Cellular Biology, 2016, 36, 2121-2131.	2.3	13
18	A GlutaredoxinÂ·BolA Complex Serves as an Iron-Sulfur Cluster Chaperone for the Cytosolic Cluster Assembly Machinery. Journal of Biological Chemistry, 2016, 291, 22344-22356.	3.4	65

#	Article	IF	Citations
19	Special delivery: distributing iron in the cytosol of mammalian cells. Frontiers in Pharmacology, 2014, 5, 173.	3.5	72
20	Iron chaperones PCBP1 and PCBP2 mediate the metallation of the dinuclear iron enzyme deoxyhypusine hydroxylase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8031-8036.	7.1	102
21	Regulation of Cation Balance in Saccharomyces cerevisiae. Genetics, 2013, 193, 677-713.	2.9	222
22	Each Member of the Poly-r(C)-binding Protein 1 (PCBP) Family Exhibits Iron Chaperone Activity toward Ferritin. Journal of Biological Chemistry, 2013, 288, 17791-17802.	3.4	153
23	Heme Uptake by Leishmania amazonensis Is Mediated by the Transmembrane Protein LHR1. PLoS Pathogens, 2012, 8, e1002795.	4.7	88
24	Coming into View: Eukaryotic Iron Chaperones and Intracellular Iron Delivery. Journal of Biological Chemistry, 2012, 287, 13518-13523.	3.4	101
25	Yeast Iron Metabolism. , 2012, , 653-667.		1
26	Topologically Conserved Residues Direct Heme Transport in HRG-1-related Proteins. Journal of Biological Chemistry, 2012, 287, 4914-4924.	3.4	55
27	Metabolic remodeling in iron-deficient fungi. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1509-1520.	4.1	89
28	Activation of the HIF Prolyl Hydroxylase by the Iron Chaperones PCBP1 and PCBP2. Cell Metabolism, 2011, 14, 647-657.	16.2	171
29	Identification of the genes affecting the regulation of riboflavin synthesis in the flavinogenic yeast Pichia guilliermondii using insertion mutagenesis. FEMS Yeast Research, 2011, 11, 307-314.	2.3	17
30	Metabolic Response to Iron Deficiency in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2010, 285, 14823-14833.	3.4	148
31	Phosphatidylserine Is Involved in the Ferrichrome-induced Plasma Membrane Trafficking of Arn1 in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2010, 285, 39564-39573.	3.4	13
32	Gga2 Mediates Sequential Ubiquitin-independent and Ubiquitin-dependent Steps in the Trafficking of ARN1 from the trans-Golgi Network to the Vacuole. Journal of Biological Chemistry, 2009, 284, 23830-23841.	3.4	37
33	Deficiency in frataxin homologue YFH1 in the yeast Pichia guilliermondii leads to missregulation of iron acquisition and riboflavin biosynthesis and affects sulfate assimilation. BioMetals, 2009, 22, 1051-1061.	4.1	15
34	Response to Iron Deprivation in Saccharomyces cerevisiae. Eukaryotic Cell, 2008, 7, 20-27.	3.4	210
35	Role of PUG1 in Inducible Porphyrin and Heme Transport in Saccharomyces cerevisiae. Eukaryotic Cell, 2008, 7, 859-871.	3.4	53
36	A Cytosolic Iron Chaperone That Delivers Iron to Ferritin. Science, 2008, 320, 1207-1210.	12.6	424

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37	GGA2- and Ubiquitin-dependent Trafficking of Arn1, the Ferrichrome Transporter of Saccharomyces cerevisiae. Molecular Biology of the Cell, 2007, 18, 1790-1802.	2.1	40
38	Iron uptake in fungi: A system for every source. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 636-645.	4.1	222
39	A Screen for Genes of Heme Uptake Identifies the FLC Family Required for Import of FAD into the Endoplasmic Reticulum. Journal of Biological Chemistry, 2006, 281, 21445-21457.	3.4	64
40	A receptor domain controls the intracellular sorting of the ferrichrome transporter, ARN1. EMBO Journal, 2005, 24, 952-962.	7.8	34
41	Transcriptional Remodeling in Response to Iron Deprivation inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2004, 15, 1233-1243.	2.1	191
42	Regulation of Intracellular Heme Levels by HMX1, a Homologue of Heme Oxygenase, in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2003, 278, 36582-36587.	3.4	81
43	Fep1 represses expression of the fission yeast Schizosaccharomyces pombe siderophore-iron transport system. Nucleic Acids Research, 2003, 31, 4332-4344.	14.5	82
44	The mechanism of ferrichrome transport through Arn1p and its metabolism in Saccharomyces cerevisiae. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5664-5669.	7.1	42
45	Molecular aspects of iron absorption: Insights into the role of HFE in hemochromatosis. Hepatology, 2002, 35, 993-1001.	7.3	45
46	Ferrichrome induces endosome to plasma membrane cycling of the ferrichrome transporter, Arn1p, in Saccharomyces cerevisiae. EMBO Journal, 2002, 21, 3632-3642.	7.8	68
47	Identification of a Candida albicans Ferrichrome Transporter and Its Characterization by Expression inSaccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 43049-43055.	3.4	57
48	The Role of the FRE Family of Plasma Membrane Reductases in the Uptake of Siderophore-Iron in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 10218-10223.	3.4	143
49	Three Cell Wall Mannoproteins Facilitate the Uptake of Iron in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 49244-49250.	3.4	154
50	Desferrioxamine-mediated Iron Uptake in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2000, 275, 10709-10715.	3.4	166
51	Siderophore-Iron Uptake in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2000, 275, 16354-16359.	3.4	145