

# Caroline C Philpott

## List of Publications by Year in descending order

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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	A Cytosolic Iron Chaperone That Delivers Iron to Ferritin. <i>Science</i> , 2008, 320, 1207-1210.	12.6	424
2	Iron uptake in fungi: A system for every source. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 636-645.	4.1	222
3	Regulation of Cation Balance in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2013, 193, 677-713.	2.9	222
4	Response to Iron Deprivation in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2008, 7, 20-27.	3.4	210
5	Transcriptional Remodeling in Response to Iron Deprivation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2004, 15, 1233-1243.	2.1	191
6	Activation of the HIF Prolyl Hydroxylase by the Iron Chaperones PCBP1 and PCBP2. <i>Cell Metabolism</i> , 2011, 14, 647-657.	16.2	171
7	Desferrioxamine-mediated Iron Uptake in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 10709-10715.	3.4	166
8	Three Cell Wall Mannoproteins Facilitate the Uptake of Iron in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 49244-49250.	3.4	154
9	Each Member of the Poly-r(C)-binding Protein 1 (PCBP) Family Exhibits Iron Chaperone Activity toward Ferritin. <i>Journal of Biological Chemistry</i> , 2013, 288, 17791-17802.	3.4	153
10	Metabolic Response to Iron Deficiency in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 14823-14833.	3.4	148
11	Siderophore-Iron Uptake in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 16354-16359.	3.4	145
12	Achieving Life through Death: Redox Biology of Lipid Peroxidation in Ferroptosis. <i>Cell Chemical Biology</i> , 2020, 27, 387-408.	5.2	144
13	The Role of the FRE Family of Plasma Membrane Reductases in the Uptake of Siderophore-Iron in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 10218-10223.	3.4	143
14	PCBP1 and NCOA4 regulate erythroid iron storage and heme biosynthesis. <i>Journal of Clinical Investigation</i> , 2017, 127, 1786-1797.	8.2	113
15	Iron chaperones PCBP1 and PCBP2 mediate the metallation of the dinuclear iron enzyme deoxyhypusine hydroxylase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8031-8036.	7.1	102
16	Coming into View: Eukaryotic Iron Chaperones and Intracellular Iron Delivery. <i>Journal of Biological Chemistry</i> , 2012, 287, 13518-13523.	3.4	101
17	Iron Chaperone Poly rC Binding Protein 1 Protects Mouse Liver From Lipid Peroxidation and Steatosis. <i>Hepatology</i> , 2021, 73, 1176-1193.	7.3	101
18	Cytosolic iron chaperones: Proteins delivering iron cofactors in the cytosol of mammalian cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 12764-12771.	3.4	95

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19	Metabolic remodeling in iron-deficient fungi. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1509-1520.	4.1	89
20	Heme Uptake by <i>Leishmania amazonensis</i> Is Mediated by the Transmembrane Protein LHR1. <i>PLoS Pathogens</i> , 2012, 8, e1002795.	4.7	88
21	Fep1 represses expression of the fission yeast <i>Schizosaccharomyces pombe</i> siderophore-iron transport system. <i>Nucleic Acids Research</i> , 2003, 31, 4332-4344.	14.5	82
22	Regulation of Intracellular Heme Levels by HMX1, a Homologue of Heme Oxygenase, in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 36582-36587.	3.4	81
23	A PCBP1-BolA2 chaperone complex delivers iron for cytosolic [2Fe-2S] cluster assembly. <i>Nature Chemical Biology</i> , 2019, 15, 872-881.	8.0	81
24	Special delivery: distributing iron in the cytosol of mammalian cells. <i>Frontiers in Pharmacology</i> , 2014, 5, 173.	3.5	72
25	The ins and outs of iron: Escorting iron through the mammalian cytosol. <i>Free Radical Biology and Medicine</i> , 2019, 133, 112-117.	2.9	71
26	Ferrichrome induces endosome to plasma membrane cycling of the ferrichrome transporter, Arn1p, in <i>Saccharomyces cerevisiae</i> . <i>EMBO Journal</i> , 2002, 21, 3632-3642.	7.8	68
27	A Glutaredoxin-BolA Complex Serves as an Iron-Sulfur Cluster Chaperone for the Cytosolic Cluster Assembly Machinery. <i>Journal of Biological Chemistry</i> , 2016, 291, 22344-22356.	3.4	65
28	A Screen for Genes of Heme Uptake Identifies the FLC Family Required for Import of FAD into the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2006, 281, 21445-21457.	3.4	64
29	Identification of a <i>Candida albicans</i> Ferrichrome Transporter and Its Characterization by Expression in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 43049-43055.	3.4	57
30	Topologically Conserved Residues Direct Heme Transport in HRG-1-related Proteins. <i>Journal of Biological Chemistry</i> , 2012, 287, 4914-4924.	3.4	55
31	Role of PUG1 in Inducible Porphyrin and Heme Transport in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2008, 7, 859-871.	3.4	53
32	Management versus miscues in the cytosolic labile iron pool: The varied functions of iron chaperones. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118830.	4.1	49
33	Molecular aspects of iron absorption: Insights into the role of HFE in hemochromatosis. <i>Hepatology</i> , 2002, 35, 993-1001.	7.3	45
34	Ferritin iron regulators, PCBP1 and NCOA4, respond to cellular iron status in developing red cells. <i>Blood Cells, Molecules, and Diseases</i> , 2018, 69, 75-81.	1.4	45
35	The mechanism of ferrichrome transport through Arn1p and its metabolism in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5664-5669.	7.1	42
36	GGA2- and Ubiquitin-dependent Trafficking of Arn1, the Ferrichrome Transporter of <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2007, 18, 1790-1802.	2.1	40

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37	Gga2 Mediates Sequential Ubiquitin-independent and Ubiquitin-dependent Steps in the Trafficking of ARN1 from the trans-Golgi Network to the Vacuole. <i>Journal of Biological Chemistry</i> , 2009, 284, 23830-23841.	3.4	37
38	A receptor domain controls the intracellular sorting of the ferrichrome transporter, ARN1. <i>EMBO Journal</i> , 2005, 24, 952-962.	7.8	34
39	RNA binding protein PCBP1 is an intracellular immune checkpoint for shaping T cell responses in cancer immunity. <i>Science Advances</i> , 2020, 6, eaaz3865.	10.3	32
40	The Human-Specific BOLA2 Duplication Modifies Iron Homeostasis and Anemia Predisposition in Chromosome 16p11.2 Autism Individuals. <i>American Journal of Human Genetics</i> , 2019, 105, 947-958.	6.2	30
41	The iron chaperone and nucleic acid-binding activities of poly(rC)-binding protein 1 are separable and independently essential. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
42	The flux of iron through ferritin in erythrocyte development. <i>Current Opinion in Hematology</i> , 2018, 25, 183-188.	2.5	29
43	Mitochondrial dysfunction in mouse livers depleted of iron chaperone PCBP1. <i>Free Radical Biology and Medicine</i> , 2021, 175, 18-27.	2.9	21
44	TLR signals posttranscriptionally regulate the cytokine trafficking mediator sortilin. <i>Scientific Reports</i> , 2016, 6, 26566.	3.3	20
45	Identification of the genes affecting the regulation of riboflavin synthesis in the flavinogenic yeast <i>Pichia guilliermondii</i> using insertion mutagenesis. <i>FEMS Yeast Research</i> , 2011, 11, 307-314.	2.3	17
46	Deficiency in frataxin homologue YFH1 in the yeast <i>Pichia guilliermondii</i> leads to missregulation of iron acquisition and riboflavin biosynthesis and affects sulfate assimilation. <i>BioMetals</i> , 2009, 22, 1051-1061.	4.1	15
47	Phosphatidylserine Is Involved in the Ferrichrome-induced Plasma Membrane Trafficking of Arn1 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 39564-39573.	3.4	13
48	Poly(rC)-Binding Protein 2 Regulates Hippo Signaling To Control Growth in Breast Epithelial Cells. <i>Molecular and Cellular Biology</i> , 2016, 36, 2121-2131.	2.3	13
49	Iron on the move: mobilizing liver iron via NCOA4. <i>Blood</i> , 2020, 136, 2604-2605.	1.4	7
50	PCBP2 posttranscriptionally regulates sortilin expression by binding to a rich element in its 3' UTR. <i>FEBS Open Bio</i> , 2020, 10, 407-413.	2.3	6
51	Yeast Iron Metabolism. , 2012, , 653-667.		1