

# Amit R Reddi

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,374  
citations

394421

19  
h-index

580821

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1588  
citing authors

#	ARTICLE	IF	CITATIONS
1	SOD1 Integrates Signals from Oxygen and Glucose to Repress Respiration. <i>Cell</i> , 2013, 152, 224-235.	28.9	186
2	Heme dynamics and trafficking factors revealed by genetically encoded fluorescent heme sensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7539-7544.	7.1	154
3	Regulation of intracellular heme trafficking revealed by subcellular reporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5144-52.	7.1	98
4	Handling heme: The mechanisms underlying the movement of heme within and between cells. <i>Free Radical Biology and Medicine</i> , 2019, 133, 88-100.	2.9	98
5	Glyceraldehyde-3-phosphate dehydrogenase is a chaperone that allocates labile heme in cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 14557-14568.	3.4	93
6	Heme Mobilization in Animals: A Metallolipid's Journey. <i>Accounts of Chemical Research</i> , 2016, 49, 1104-1110.	15.6	92
7	Deducing the Energetic Cost of Protein Folding in Zinc Finger Proteins Using Designed Metallopeptides. <i>Journal of the American Chemical Society</i> , 2007, 129, 12815-12827.	13.7	87
8	From Synthesis to Utilization: The Ins and Outs of Mitochondrial Heme. <i>Cells</i> , 2020, 9, 579.	4.1	71
9	Heme Gazing: Illuminating Eukaryotic Heme Trafficking, Dynamics, and Signaling with Fluorescent Heme Sensors. <i>Biochemistry</i> , 2017, 56, 1815-1823.	2.5	49
10	Multiple prebiotic metals mediate translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12164-12169.	7.1	48
11	One ring to bring them all and in the darkness bind them: The trafficking of heme without deliverers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118881.	4.1	46
12	Role of Protons in the Thermodynamic Contribution of a Zn(II)-Cys4Site toward Metalloprotein Stability. <i>Biochemistry</i> , 2007, 46, 3745-3758.	2.5	39
13	Extra-mitochondrial Cu/Zn superoxide dismutase (Sod1) is dispensable for protection against oxidative stress but mediates peroxide signaling in <i>Saccharomyces cerevisiae</i> . <i>Redox Biology</i> , 2019, 21, 101064.	9.0	39
14	Thermodynamic Investigation into the Mechanisms of Proton-Coupled Electron Transfer Events in Heme Protein Maquettes. <i>Biochemistry</i> , 2007, 46, 291-305.	2.5	34
15	Heme bioavailability and signaling in response to stress in yeast cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 12378-12393.	3.4	32
16	Human ribosomal G-quadruplexes regulate heme bioavailability. <i>Journal of Biological Chemistry</i> , 2020, 295, 14855-14865.	3.4	32
17	Sod1 integrates oxygen availability to redox regulate NADPH production and the thiol redoxome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	32
18	Mitochondrial-nuclear heme trafficking is regulated by GTPases in control of mitochondrial dynamics and ER contact sites. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	29

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19	Heme and hemoglobin suppress amyloid $\beta$ -mediated inflammatory activation of mouse astrocytes. <i>Journal of Biological Chemistry</i> , 2018, 293, 11358-11373.	3.4	25
20	Mitochondrial contact site and cristae organizing system (MICOS) machinery supports heme biosynthesis by enabling optimal performance of ferrochelatase. <i>Redox Biology</i> , 2021, 46, 102125.	9.0	19
21	Cutting in-line with iron: ribosomal function and non-oxidative RNA cleavage. <i>Nucleic Acids Research</i> , 2020, 48, 8663-8674.	14.5	18
22	Acylation of Superoxide Dismutase 1 (SOD1) at K122 Governs SOD1-Mediated Inhibition of Mitochondrial Respiration. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	16
23	Using genetically encoded heme sensors to probe the mechanisms of heme uptake and homeostasis in <i>Candida albicans</i> . <i>Cellular Microbiology</i> , 2021, 23, e13282.	2.1	14
24	Cu/Zn Superoxide Dismutase (Sod1) regulates the canonical Wnt signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 720-726.	2.1	10
25	Heme oxygenase-2 (HO-2) binds and buffers labile ferric heme in human embryonic kidney cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 101549.	3.4	10