

# Sven Andreas Freibert

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6473166/publications.pdf>

Version: 2024-02-01

18  
papers

1,232  
citations

687363

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839539

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20  
all docs

20  
docs citations

20  
times ranked

1555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Mitochondrial Iron-Sulfur Protein Biogenesis. Annual Review of Biochemistry, 2020, 89, 471-499.	11.1	220
2	Structure and functional dynamics of the mitochondrial Fe/S cluster synthesis complex. Nature Communications, 2017, 8, 1287.	12.8	144
3	Functional reconstitution of mitochondrial Fe/S cluster synthesis on Isu1 reveals the involvement of ferredoxin. Nature Communications, 2014, 5, 5013.	12.8	136
4	The mitochondrial Hsp70 chaperone Ssq1 facilitates Fe/S cluster transfer from Isu1 to Grx5 by complex formation. Molecular Biology of the Cell, 2013, 24, 1830-1841.	2.1	122
5	Mechanistic concepts of iron-sulfur protein biogenesis in Biology. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118863.	4.1	113
6	Molecular mechanism to recruit galectin-3 into multivesicular bodies for polarized exosomal secretion. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4396-E4405.	7.1	98
7	Systematic identification of metabolites controlling gene expression in E. coli. Nature Communications, 2019, 10, 4463.	12.8	71
8	Evolutionary conservation and in vitro reconstitution of microsporidian iron-sulfur cluster biosynthesis. Nature Communications, 2017, 8, 13932.	12.8	67
9	Biochemical Reconstitution and Spectroscopic Analysis of Iron-Sulfur Proteins. Methods in Enzymology, 2018, 599, 197-226.	1.0	61
10	Structural basis for (p)ppGpp-mediated inhibition of the GTPase RbgA. Journal of Biological Chemistry, 2018, 293, 19699-19709.	3.4	41
11	Structural Basis for Regulation of the Opposing (p)ppGpp Synthetase and Hydrolase within the Stringent Response Orchestrator Rel. Cell Reports, 2020, 32, 108157.	6.4	39
12	Function and crystal structure of the dimeric P-loop ATPase CFD1 coordinating an exposed [4Fe-4S] cluster for transfer to apoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9085-E9094.	7.1	26
13	Transcriptional regulation of ectoine catabolism in response to multiple metabolic and environmental cues. Environmental Microbiology, 2017, 19, 4599-4619.	3.8	25
14	An ATP-dependent partner switch links flagellar C-ring assembly with gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20826-20835.	7.1	17
15	Inhibition of SRP-dependent protein secretion by the bacterial alarmone (p)ppGpp. Nature Communications, 2022, 13, 1069.	12.8	16
16	N-terminal tyrosine of ISCU2 triggers [2Fe-2S] cluster synthesis by ISCU2 dimerization. Nature Communications, 2021, 12, 6902.	12.8	15
17	Two MarR-Type Repressors Balance Precursor Uptake and Glycine Betaine Synthesis in Bacillus subtilis to Provide Cytoprotection Against Sustained Osmotic Stress. Frontiers in Microbiology, 2020, 11, 1700.	3.5	9
18	The two paralogous kiwellin proteins KWL1 and KWL1-b from maize are structurally related and have overlapping functions in plant defense. Journal of Biological Chemistry, 2020, 295, 7816-7825.	3.4	9