Flavins in the electron bifurcation process

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Citation Report

#	Article	IF	Citations
2	Energy Conservation in Fermentations of Anaerobic Bacteria. Frontiers in Microbiology, 2021, 12, 703525.	3.5	29
3	Energy transduction by reversible electron bifurcation. Current Opinion in Electrochemistry, 2021, 29, 100767.	4.8	1
4	Electron bifurcation reactions in dark fermentation: An overview for better understanding and improvement. Bioresource Technology, 2022, 344, 126327.	9.6	4
6	Structure and electron transfer pathways of an electron-bifurcating NiFe-hydrogenase. Science Advances, 2022, 8, eabm7546.	10.3	15
7	An uncharacteristically low-potential flavin governs the energy landscape of electron bifurcation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117882119.	7.1	5
8	Contrasting roles for two conserved arginines: Stabilizing flavin semiquinone or quaternary structure, in bifurcating electron transfer flavoproteins. Journal of Biological Chemistry, 2022, 298, 101733.	3.4	5
9	Structure-based electron-confurcation mechanism of the Ldh-EtfAB complex. ELife, 0, 11, .	6.0	9
10	How a Formate Dehydrogenase Responds to Oxygen: Unexpected O₂ Insensitivity of an Enzyme Harboring Tungstopterin, Selenocysteine, and [4Feâ€“4S] Clusters. ACS Catalysis, 2022, 12, 10449-10471.	11.2	9
11	Machine Learning for Efficient Prediction of Protein Redox Potential: The Flavoproteins Case. Journal of Chemical Information and Modeling, 2022, 62, 4748-4759.	5.4	5
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14	Electron-donor and regulatory effects of superoxide anion radicals on the processes of osteogenesis and bone remodeling: literature review. Russian Osteopathic Journal, 2022, , 126-144.	0.4	0
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16	Multielectron transfer sensitization of flavin cofactor recycling. Inorganic Chemistry Communication, 2023, 149, 110444.	3.9	0
17	Structural Factors and Electron Transfer Mechanisms in Flavoenzymes. Analytical Letters, 0, , 1-14.	1.8	1
18	Versatility and Specificity of Flavin-Based Oxidoreductases in the Electron Transfer Reactions. Advances in Chemical and Materials Engineering Book Series, 2023, , 327-343.	0.3	0
19	Unsaturated fatty acid synthesis in bacteria: Mechanisms and regulation of canonical and remarkably noncanonical pathways. Biochimie, 2024, 218, 137-151.	2.6	0
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22	Ferredoxin reduction by hydrogen with iron functions as an evolutionary precursor of flavin-based electron bifurcation. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.1	0