

# Theory of oscillations in peroxidase catalyzed oxidation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Compound III kinetics and chemiluminescence in oscillatory oxidation reactions catalyzed by horseradish peroxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1969, 180, 271-290.	1.0	53
3	Measurement of steady-state values of respiration rate and oxidation levels of respiratory pigments at low oxygen tensions. A new technique. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1971, 245, 347-355.	1.0	93
4	Oxidation states of peroxidase. <i>Molecular and Cellular Biochemistry</i> , 1973, 2, 39-52.	3.1	175
5	The measurement of oxygen uptake in open systems. <i>Trends in Biochemical Sciences</i> , 1977, 2, 171-173.	7.5	2
6	Analysis and computer simulation of aerobic oxidation of reduced nicotinamide adenine dinucleotide catalyzed by horseradish peroxidase. <i>Biochemistry</i> , 1977, 16, 1913-1920.	2.5	150
7	Amperometric measurement of enzyme reactions with an oxygen electrode using air oxidation of reduced nicotinamide adenine dinucleotide. <i>Analytical Chemistry</i> , 1977, 49, 1785-1788.	6.5	34
8	Chemische Oszillationen und Strukturen als Grundlage einer zeitlichen und räumlichen Organisation. <i>Die Naturwissenschaften</i> , 1978, 65, 449-455.	1.6	11
9	Oscillatory kinetics of the peroxidase-oxidase reaction in an open system. Experimental and theoretical studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1978, 523, 321-334.	2.6	76
10	Stably Rotating Patterns of Reaction and Diffusion. , 1978, , 1-51.		45
11	BISTABILITY, OSCILLATION, AND CHAOS IN AN ENZYME REACTION. <i>Annals of the New York Academy of Sciences</i> , 1979, 316, 623-637.	3.8	66
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13	Types of oscillations in chemical reactions. <i>Topics in Current Chemistry</i> , 1983, , 1-73.	4.0	39
14	Computer simulation of sustained oscillations in peroxidase-oxidase reaction. <i>Biophysical Chemistry</i> , 1984, 19, 259-264.	2.8	33
15	Chaos in biological systems. <i>Quarterly Reviews of Biophysics</i> , 1985, 18, 165-225.	5.7	188
16	Bistability in chemical reaction networks: Theory and application to the peroxidase-oxidase reaction. <i>Journal of Chemical Physics</i> , 1987, 87, 3461-3470.	3.0	49
17	Periodicity and chaos in a photosynthetic system. <i>Photosynthesis Research</i> , 1993, 37, 159-164.	2.9	7
18	Computer simulation of damped oscillations during peroxidase-catalyzed oxidation of indole-3-acetic acid. <i>Biophysical Chemistry</i> , 1998, 72, 285-295.	2.8	2
19	Routes to chaos in the peroxidase-oxidase reaction. , 1999, , 252-272.		3

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20	Non-linear dynamics of a self-igniting reactionâ€“diffusion system. Chemical Engineering Science, 2000, 55, 303-309.	3.8	14
21	Photosynthesis as a discrete biochemical process. Discrete Dynamics in Nature and Society, 2000, 5, 81-87.	0.9	0
22	Oscillations in glycolysis in <i>Saccharomyces cerevisiae</i> : The role of autocatalysis and intracellular ATPase activity. Biophysical Chemistry, 2012, 165-166, 39-47.	2.8	10
23	The Enzyme and the Strange Attractor â€” Comparisons of Experimental and Numerical Data for an Enzyme Reaction with Chaotic Motion. Springer Series in Synergetics, 1984, , 116-123.	0.4	7
25	Exploring Natureâ€™s Roulette Wheel: Chaos in Biological Systems. , 1991, , 173-185.		1
26	An Atlas of Cellular Oscillators. Journal of Experimental Biology, 1979, 81, 281-306.	1.7	121
27	Genetic networks: between theory and experimentation. World Scientific Lecture Notes in Complex Systems, 2007, , 215-236.	0.1	0
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