Ron Wever

List of Publications by Year
in descending order

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66	3,625	94433 37	133252 59
papers	citations	h-index	g-index

70	70	70	2233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sulfated phenolic acids in plants. Planta, 2022, 255, 124.	3.2	6
2	Towards Preparative Chemoenzymatic Oxidative Decarboxylation of Glutamic Acid. ChemCatChem, 2020, 12, 2180-2183.	3.7	11
3	Chemoenzymatic Halocyclization of 4-Pentenoic Acid at Preparative Scale. ACS Sustainable Chemistry and Engineering, 2020, 8, 2602-2607.	6.7	14
4	Selective aerobic oxidation reactions using a combination of photocatalytic water oxidation and enzymatic oxyfunctionalizations. Nature Catalysis, 2018, 1, 55-62.	34.4	272
5	Marine Vanadium-Dependent Haloperoxidases, Their Isolation, Characterization, and Application. Methods in Enzymology, 2018, 605, 141-201.	1.0	35
6	Dissolving Lignin in Water through Enzymatic Sulfation with Aryl Sulfotransferase. ChemSusChem, 2017, 10, 2267-2273.	6.8	17
7	Vanadium Chloroperoxidases: The Missing Link in the Formation of Chlorinated Compounds and Chloroform in the Terrestrial Environment?. Chemistry - an Asian Journal, 2017, 12, 1997-2007.	3.3	33
8	Sulfation made easy: A new versatile donor for enzymatic sulfation by a bacterial arylsulfotransferase. Journal of Molecular Catalysis B: Enzymatic, 2016, 129, 43-46.	1.8	10
9	Exploiting Acid Phosphatases in the Synthesis of Phosphorylated Monoalcohols and Diols. European Journal of Organic Chemistry, 2016, 2016, 45-50.	2.4	16
10	Substrate Engineering and its Synthetic Utility in the Sulfation of Primary Aliphatic Alcohol Groups by a Bacterial Arylsulfotransferase. Advanced Synthesis and Catalysis, 2015, 357, 2629-2632.	4.3	11
11	Chemoenzymatic Halogenation of Phenols by using the Haloperoxidase from Curvularia inaequalis. ChemCatChem, 2015, 7, 4035-4038.	3.7	52
12	Enzymatic Sulfation of Phenolic Hydroxy Groups of Various Plant Metabolites by an Arylsulfotransferase. European Journal of Organic Chemistry, 2015, 2015, 534-541.	2.4	25
13	⁵¹V NMR Crystallography of Vanadium Chloroperoxidase and Its Directed Evolution P395D/L241V/T343A Mutant: Protonation Environments of the Active Site. Journal of the American Chemical Society, 2015, 137, 5618-5628.	13.7	30
14	Thymol Bromination â€“ A Comparison between Enzymatic and Chemical Catalysis. European Journal of Inorganic Chemistry, 2015, 2015, 3519-3525.	2.0	34
15	Preparation of silybin and isosilybin sulfates by sulfotransferase from Desulfitobacterium hafniense. Journal of Molecular Catalysis B: Enzymatic, 2013, 89, 24-27.	1.8	21
16	The role of vanadium haloperoxidases in the formation of volatile brominated compounds and their impact on the environment. Dalton Transactions, 2013, 42, 11778.	3.3	106
17	Phosphorylation by Alkaline Phosphatase: Immobilization and Synthetic Potential. International Journal of Chemistry, 2013, 5, .	0.3	9
18	Sulfation of Various Alcoholic Groups by an Arylsulfate Sulfotransferase from Desulfitobacterium hafniense and Synthesis of Estradiol Sulfate. Advanced Synthesis and Catalysis, 2012, 354, 3501-3508.	4.3	24

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19	Synthesis of Carbohydrates in a Continuous Flow Reactor by Immobilized Phosphatase and Aldolase. ChemSusChem, 2012, 5, 2348-2353.	6.8	50
20	Continuousâ€Flow Reactorâ€Based Enzymatic Synthesis of Phosphorylated Compounds on a Large Scale. Chemistry - A European Journal, 2012, 18, 6604-6609.	3.3	54
21	Selective Oxidative Decarboxylation of Amino Acids to Produce Industrially Relevant Nitriles by Vanadium Chloroperoxidase. ChemSusChem, 2012, 5, 1199-1202.	6.8	58
22	Structure and Function of Vanadium Haloperoxidases. , 2012, , 95-125.		12
23	Synthesis of non-natural carbohydrates from glycerol and aldehydes in a one-pot four-enzyme cascade reaction. Green Chemistry, 2011, 13, 2895.	9.0	49
24	Efficient Regeneration of NADPH in a 3â€Enzyme Cascade Reaction by in situ Generation of Glucose 6â€Phosphate from Glucose and Pyrophosphate. Advanced Synthesis and Catalysis, 2011, 353, 2339-2344.	4.3	8
25	Vanadium K-edge XAS studies on the native and peroxo-forms of vanadium chloroperoxidase from Curvularia inaequalis. Journal of Inorganic Biochemistry, 2010, 104, 657-664.	3.5	27
26	Singlet oxygenation in microemulsion catalysed by vanadium chloroperoxidase. Journal of Molecular Catalysis B: Enzymatic, 2009, 56, 259-264.	1.8	14
27	Improvement of an Acid Phosphatase/DHAPâ€Dependent Aldolase Cascade Reaction by Using Directed Evolution. ChemBioChem, 2009, 10, 2230-2235.	2.6	25
28	Crystal Structure of a Trapped Phosphate Intermediate in Vanadium Apochloroperoxidase Catalyzing a Dephosphorylation Reaction. Biochemistry, 2008, 47, 929-934.	2.5	26
29	Optimization of the Kinetic Resolution of thedl-Phosphomonoesters of Threonine and Serine by Random Mutagenesis of the Acid Phosphatase fromSalmonella enterica. Advanced Synthesis and Catalysis, 2007, 349, 1349-1352.	4.3	9
30	Simple Enzymatic in situ Generation of Dihydroxyacetone Phosphate and Its Use in a Cascade Reaction for the Production of Carbohydrates:Â Increased Efficiency by Phosphate Cycling. Journal of Organic Chemistry, 2006, 71, 6244-6247.	3.2	51
31	51V Solid-State Magic Angle Spinning NMR Spectroscopy of Vanadium Chloroperoxidase. Journal of the American Chemical Society, 2006, 128, 5190-5208.	13.7	76
32	Laboratory-evolved Vanadium Chloroperoxidase Exhibits 100-Fold Higher Halogenating Activity at Alkaline pH. Journal of Biological Chemistry, 2006, 281, 9738-9744.	3.4	77
33	Regioselective Phosphorylation of Carbohydrates and Various Alcohols by Bacterial Acid Phosphatases; Probing the Substrate Specificity of the Enzyme fromShigella flexneri. Advanced Synthesis and Catalysis, 2005, 347, 1155-1162.	4.3	51
34	Inhibition of vanadium chloroperoxidase from the fungus Curvularia inaequalis by hydroxylamine, hydrazine and azide and inactivation by phosphate. Journal of Inorganic Biochemistry, 2004, 98, 625-631.	3.5	14
35	Vanadium Chloroperoxidase as a Catalyst for Hydrogen Peroxide Disproportionation to Singlet Oxygen in Mildly Acidic Aqueous Environment. Advanced Synthesis and Catalysis, 2003, 345, 849-858.	4.3	58
36	Kinetic characterization of active site mutants Ser402Ala and Phe397His of vanadium chloroperoxidase from the fungus Curvularia inaequalis. Inorganica Chimica Acta, 2003, 356, 288-296.	2.4	43

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37	Phosphorylation and dephosphorylation of polyhydroxy compounds by class A bacterial acid phosphatases. Organic and Biomolecular Chemistry, 2003, 1, 2833.	2.8	40
38	Bromoperoxidase activity of vanadate-substituted acid phosphatases fromShigella flexneriandSalmonella entericaser.typhimurium. FEBS Journal, 2002, 269, 2162-2167.	0.2	53
39	Expression of the vanadium-dependent bromoperoxidase gene from a marine macro-alga Corallina pilulifera in Saccharomyces cerevisiae and characterization of the recombinant enzyme. Phytochemistry, 2002, 60, 595-601.	2.9	25
40	Sulfoxidation mechanism of vanadium bromoperoxidase fromAscophyllum nodosum. FEBS Journal, 2001, 268, 132-138.	0.2	71
41	Peroxidase and Phosphatase Activity of Active-site Mutants of Vanadium Chloroperoxidase from the Fungus Curvularia inaequalis. Journal of Biological Chemistry, 2000, 275, 11650-11657.	3.4	74
42	Cofactor and Substrate Binding to Vanadium Chloroperoxidase Determined by UVâ^'VIS Spectroscopy and Evidence for High Affinity for Pervanadateâ€. Biochemistry, 2000, 39, 1133-1141.	2.5	50
43	Heterologous Expression of the Vanadium-containing Chloroperoxidase from Curvularia inaequalis in Saccharomyces cerevisiae and Site-directed Mutagenesis of the Active Site Residues His496, Lys353, Arg360, and Arg490. Journal of Biological Chemistry, 1999, 274, 23820-23827.	3.4	110
44	Probing the scope of the sulfoxidation activity of vanadium bromoperoxidase from Ascophyllum nodosum. Tetrahedron: Asymmetry, 1999, 10, 4563-4572.	1.8	53
45	X-ray crystal structures of active site mutants of the vanadium-containing chloroperoxidase from the fungus Curvularia inaequalis. Journal of Biological Inorganic Chemistry, 1999, 4, 209-219.	2.6	117
46	X-ray structures of apo and tungstate derivatives of vanadium chloroperoxidase from the fungus Curvularia inaequalis. Inorganica Chimica Acta, 1998, 273, 160-166.	2.4	33
47	Cloning and expression of the gene for a vanadium-dependent bromoperoxidase from a marine macro-alga,Corallina pilulifera1. FEBS Letters, 1998, 428, 105-110.	2.8	47
48	Enantioselective Sulfoxidation Catalyzed by Vanadium Haloperoxidases. Inorganic Chemistry, 1998, 37, 6780-6784.	4.0	123
49	Isolation, Characterization, and Primary Structure of the Vanadium Chloroperoxidase from the Fungus Embellisia didymospora. Journal of Biological Chemistry, 1998, 273, 23381-23387.	3.4	44
50	Implications for the Catalytic Mechanism of the Vanadium-Containing Enzyme Chloroperoxidase from the Fungus Curvularia inaequalis by X-Ray Structures of the Native and Peroxide Form. Biological Chemistry, 1997, 378, 309-15.	2.5	253
51	A new model for the membrane topology of glucose-6-phosphatase: the enzyme involved in von Gierke disease. FEBS Letters, 1997, 409, 317-319.	2.8	49
52	The regulation of the vanadium chloroperoxidase from Curvularia inaequalis. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1352, 73-84.	2.4	21
53	The chloroperoxidase from the fungus Curvularia inaequalis; a novel vanadium enzyme. BBA - Proteins and Proteomics, 1993, 1161, 249-256.	2.1	139
54	Brominating activity of the seaweed Ascophyllum nodosum: impact on the biosphere. Environmental Science & Technology, 1991, 25, 446-449.	10.0	152

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55	Some structural aspects of vanadium bromoperoxidase from Ascophyllum nodosum. BBA - Proteins and Proteomics, 1990, 1040, 192-198.	2.1	53
56	A comparison of different (vanadium) bromoperoxidases; the bromoperoxidase from Corallina pilulifera is also a vanadium enzyme. BBA - Proteins and Proteomics, 1989, 998, 63-68.	2.1	50
57	Characterization of molybdenum and vanadium centres in enzymes by X-ray absorption spectroscopy. Polyhedron, 1989, 8, 1649-1652.	2.2	13
58	Ozone destruction by algae in the Arctic atmosphere. Nature, 1988, 335, 501-501.	27.8	32
59	Electron paramagnetic resonance studies on conformational states and metal ion exchange properties of vanadium bromoperoxidase. Biochemistry, 1988, 27, 1629-1635.	2.5	127
60	14N-coordination to VO2+in reduced vanadium bromoperoxidase, an electron spin echo study. FEBS Letters, 1988, 235, 93-97.	2.8	63
61	Vanadium - an element involved in the biosynthesis of halogenated compounds and nitrogen fixation. FEBS Letters, 1987, 216, 1-3.	2.8	26
62	The bromoperoxidase from the red alga Ceramium rubrum also contains vanadium as a prosthetic group. BBA - Proteins and Proteomics, 1987, 912, 287-291.	2.1	54
63	Isolation procedure and some properties of the bromoperoxidase from the seaweed Ascophyllum nodosum. BBA - Proteins and Proteomics, 1985, 830, 181-186.	2.1	107
64	Antiarthritic drugs containing thiol groups scavenge hypochlorite and inhibit its formation by myeloperoxidase from human leukocytes. A therapeutic mechanism of these drugs in rheumatoid arthritis?. Arthritis and Rheumatism, 1985, 28, 1228-1233.	6.7	73
65	Human eosinophil peroxidase: a novel isolation procedure, spectral properties and chlorinating activity. FEBS Letters, 1981, 123, 327-331.	2.8	80
66	The killing of newborn larvae ofTrichinella spiralis by eosinophil peroxidasein vitro. European Journal of Immunology, 1981, 11, 843-845.	2.9	57