

Patricia Harvey

List of Publications by Year in descending order

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69
papers

3,100
citations

172386

29
h-index

161767

54
g-index

70
all docs

70
docs citations

70
times ranked

2783
citing authors

#	ARTICLE	IF	CITATIONS
1	Veratryl alcohol as a mediator and the role of radical cations in lignin biodegradation by <i>Phanerochaete chrysosporium</i> . <i>FEBS Letters</i> , 1986, 195, 242-246.	1.3	274
2	Phytoremediation of polyaromatic hydrocarbons, anilines and phenols. <i>Environmental Science and Pollution Research</i> , 2002, 9, 29-47.	2.7	265
3	Macroalgae-Derived Biofuel: A Review of Methods of Energy Extraction from Seaweed Biomass. <i>Energies</i> , 2014, 7, 7194-7222.	1.6	246
4	On the mechanism of enzymatic lignin breakdown. <i>FEBS Letters</i> , 1985, 183, 7-12.	1.3	163
5	Golden Tides: Problem or Golden Opportunity? The Valorisation of Sargassum from Beach Inundations. <i>Journal of Marine Science and Engineering</i> , 2016, 4, 60.	1.2	135
6	A Brief Review of Anaerobic Digestion of Algae for Bioenergy. <i>Energies</i> , 2019, 12, 1166.	1.6	126
7	The influence of photoperiod and light intensity on the growth and photosynthesis of <i>Dunaliella salina</i> (chlorophyta) CCAP 19/30. <i>Plant Physiology and Biochemistry</i> , 2016, 106, 305-315.	2.8	113
8	Single-electron transfer processes and the reaction mechanism of enzymic degradation of lignin. <i>FEBS Letters</i> , 1985, 183, 13-16.	1.3	105
9	A Review of Seaweed Pre-Treatment Methods for Enhanced Biofuel Production by Anaerobic Digestion or Fermentation. <i>Fermentation</i> , 2018, 4, 100.	1.4	91
10	Lignin peroxidase from <i>Phanerochaete-chrysosporium</i> . Molecular and kinetic characterization of isozymes. <i>FEBS Journal</i> , 1990, 187, 515-520.	0.2	77
11	On the Mechanism of Oxidation of Non-Phenolic Lignin Model Compounds by the Laccase-ABTS Couple. <i>Holzforschung</i> , 1992, 46, 121-126.	0.9	76
12	Towards a sustainable <i>Dunaliella salina</i> microalgal biorefinery for 9-cis β -carotene production. <i>Algal Research</i> , 2020, 50, 102002.	2.4	76
13	Potential of New Isolates of <i>Dunaliella Salina</i> for Natural β -Carotene Production. <i>Biology</i> , 2018, 7, 14.	1.3	71
14	Lifetime and Reactivity of the Veratryl Alcohol Radical Cation. <i>Journal of Biological Chemistry</i> , 1995, 270, 16745-16748.	1.6	70
15	Ensilage and anaerobic digestion of <i>Sargassum muticum</i> . <i>Journal of Applied Phycology</i> , 2016, 28, 3021-3030.	1.5	70
16	Oxidation of phenolic compounds by ligninase. <i>Journal of Biotechnology</i> , 1990, 13, 169-179.	1.9	69
17	Potential process "hurdles" in the use of macroalgae as feedstock for biofuel production in the British Isles. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2221-2234.	1.6	69
18	Carotenoid Production by <i>Dunaliella salina</i> under Red Light. <i>Antioxidants</i> , 2019, 8, 123.	2.2	67

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19	Isolation and characterization of the storage protein of yam tubers (<i>Dioscorea rotundata</i>). <i>Phytochemistry</i> , 1983, 22, 1687-1693.	1.4	63
20	The Composition of Insect-Protected Cottonseed Is Equivalent to That of Conventional Cottonseed. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 365-371.	2.4	57
21	Emerging pollutants and plants " Metabolic activation of diclofenac by peroxidases. <i>Chemosphere</i> , 2016, 146, 435-441.	4.2	56
22	Glyphosate-Tolerant Cotton: The Composition of the Cottonseed Is Equivalent to That of Conventional Cottonseed. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 1967-1974.	2.4	52
23	Pre-steady-state kinetic study on the formation of Compound I and II of ligninase. <i>BBA - Proteins and Proteomics</i> , 1989, 994, 59-63.	2.1	51
24	Lignin peroxidase L3 from <i>Phlebia radiata</i> . Pre-steady-state and steady-state studies with veratryl alcohol and a non-phenolic lignin model compound 1-(3,4-dimethoxyphenyl)-2-(2-methoxyphenoxy)propane-1,3-diol. <i>FEBS Journal</i> , 1993, 211, 391-4020.	0.2	48
25	Prospects for the phytoremediation of organic pollutants in Europe. <i>Environmental Science and Pollution Research</i> , 2002, 9, 1-3.	2.7	45
26	Catalytic mechanisms and regulation of lignin peroxidase. <i>Biochemical Society Transactions</i> , 1992, 20, 345-349.	1.6	42
27	Mechanism of nitrite-stimulated catalysis by lactoperoxidase. <i>FEBS Journal</i> , 2001, 268, 3214-3222.	0.2	38
28	The inhibition of anaerobic digestion by model phenolic compounds representative of those from <i>Sargassum muticum</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 779-786.	1.5	38
29	Effect of Freshwater Washing Pretreatment on <i>Sargassum muticum</i> as a Feedstock for Biogas Production. <i>Energies</i> , 2018, 11, 1771.	1.6	37
30	Oxidation of aromatic sulfides by lignin peroxidase from <i>Phanerochaete chrysosporium</i> . <i>FEBS Journal</i> , 2000, 267, 2705-2710.	0.2	30
31	Radical intermediates in veratryl alcohol oxidation by ligninase. NMR evidence. <i>BBA - Proteins and Proteomics</i> , 1990, 1041, 129-132.	2.1	27
32	Metabolism of cellulose by <i>Phanerochaete chrysosporium</i> in continuously agitated culture is associated with enhanced production of lignin peroxidase. <i>Journal of Biotechnology</i> , 2000, 78, 185-192.	1.9	27
33	Red Light Control of β -Carotene Isomerisation to 9-cis β -Carotene and Carotenoid Accumulation in <i>Dunaliella salina</i> . <i>Antioxidants</i> , 2019, 8, 148.	2.2	23
34	Charge transfer reactions and feedback control of lignin peroxidase by phenolic compounds: Significance in lignin degradation. <i>Journal of Biotechnology</i> , 1993, 30, 57-69.	1.9	20
35	Effect of Light Intensity and Wavelength on Biomass Growth and Protein and Amino Acid Composition of <i>Dunaliella salina</i> . <i>Foods</i> , 2021, 10, 1018.	1.9	18
36	Slow Pyrolysis as a Method for the Destruction of Japanese Wireweed, <i>Sargassum muticum</i> . <i>Environment and Natural Resources Research</i> , 2014, 5, .	0.1	16

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37	Disordered ultrastructure in lignin-peroxidase-secreting hyphae of the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>Microbiology (United Kingdom)</i> , 2000, 146, 759-765.	0.7	16
38	Scanning electron microscopic investigations of root structural modifications arising from growth in crude oil-contaminated sand. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12651-12661.	2.7	15
39	Anaerobic Digestion and Gasification of Seaweed. <i>Grand Challenges in Biology and Biotechnology</i> , 2018, , 237-258.	2.4	13
40	Lignin degradation by white rot fungi.. <i>Plant, Cell and Environment</i> , 1987, 10, 709-714.	2.8	12
41	Design Analysis of Integrated Microalgae Biorefineries. <i>Computer Aided Chemical Engineering</i> , 2014, , 591-596.	0.3	12
42	Changes in higher heating value and ash content of seaweed during ensiling. <i>Journal of Applied Phycology</i> , 2017, 29, 1037-1046.	1.5	12
43	Mitochondrial Function, Mobility and Lifespan Are Improved in <i>Drosophila melanogaster</i> by Extracts of 9-cis- β -Carotene from <i>Dunaliella salina</i> . <i>Marine Drugs</i> , 2019, 17, 279.	2.2	12
44	Lignin degradation by white rot fungi. <i>Plant, Cell and Environment</i> , 1987, 10, 709-714.	2.8	12
45	A Comparison of β -Carotene, Phytoene and Amino Acids Production in <i>Dunaliella salina</i> DF 15 (CCAP) Tj ETQq1 1 0,784314 mgBT /Over	1.9	12
46	The biochemistry of ligninolytic fungi. , 2001, , 27-51.		11
47	Responses of tall fescue (<i>Festuca arundinacea</i>) to growth in naphthalene-contaminated sand: xenobiotic stress versus water stress. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7495-7507.	2.7	11
48	Phytoene and phytofluene overproduction by <i>Dunaliella salina</i> using the mitosis inhibitor chlorpropham. <i>Algal Research</i> , 2020, 52, 102126.	2.4	11
49	Stereoisomers of Colourless Carotenoids from the Marine Microalga <i>Dunaliella salina</i> . <i>Molecules</i> , 2020, 25, 1880.	1.7	11
50	Methane production from <i>Sargassum muticum</i> : effects of seasonality and of freshwater washes. <i>Energy and Built Environment</i> , 2021, 2, 235-242.	2.9	10
51	Radical cation cofactors in lignin peroxidase catalysis. <i>Biochemical Society Transactions</i> , 1995, 23, 262-267.	1.6	9
52	Lignin peroxidase catalysis: reaction with veratryl alcohol and a polymeric dye, Poly R. <i>Biochemical Society Transactions</i> , 1995, 23, 340S-340S.	1.6	9
53	A preliminary study of the treatment of Barley straw with ligninase enzyme: Effect on in-vitro digestibility and chemical composition. <i>Biological Wastes</i> , 1990, 33, 53-62.	0.3	8
54	Respiratory pathways and oxygen toxicity in <i>Phanerochaete chrysosporium</i> . <i>FEMS Microbiology Letters</i> , 2000, 183, 153-157.	0.7	8

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55	Treatment of barley straw with ligninase: effect on activity and fate of the enzyme shortly after being added to straw. <i>Animal Feed Science and Technology</i> , 1993, 41, 15-21.	1.1	7
56	Oxidation of mitoxantrone by lactoperoxidase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1649, 154-163.	1.1	7
57	Changes in the abundance of sugars and sugar-like compounds in tall fescue (<i>Festuca arundinacea</i>) due to growth in naphthalene-treated sand. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5817-5830.	2.7	5
58	Oxidation of thioanisole and p-methoxythioanisole by lignin peroxidase: kinetic evidence of a direct reaction between compound II and a radical cation. <i>Biochemical Journal</i> , 2003, 374, 761-766.	1.7	4
59	Spectra and reactivity of the radical cations of lignin peroxidase co-factors and model compounds. <i>Biochemical Society Transactions</i> , 1995, 23, 342S-342S.	1.6	3
60	Kinetic deuterium isotope effect in the oxidation of veratryl alcohol promoted by lignin peroxidase and chemical oxidants. <i>Perkin Transactions II RSC</i> , 2001, , 1512-1515.	1.1	3
61	Organic Carbon Is Ineffective in Enhancing the Growth of <i>Dunaliella</i> . <i>Fermentation</i> , 2022, 8, 261.	1.4	3
62	Recent developments in the understanding of lignin biodegradation. <i>Journal of Biological Education</i> , 1986, 20, 169-174.	0.8	1
63	Spectrophotometric investigations with hexa-coordinate ferric lignin peroxidase: does water retention at the active site influence catalysis?. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 406-411.	1.0	1
64	Novel developments in biological technologies for wastewater processing. , 2019, , 239-278.		1
65	Opportunities and problems of Bioenergy: The future. <i>Biochemist</i> , 2011, 33, 39-43.	0.2	1
66	White-rot fungi and xenobiotics. , 0, , 205-235.		0
67	Reply to the commentary by Law and Han: the importance of suitable GC-MS data processing and analysis for plant and environmental metabolomics, with references to: changes in the abundance of sugars and sugar-like compounds in tall fescue (<i>Festuca arundinacea</i>) due to growth in naphthalene-treated sand. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10286-10287.	2.7	0
68	Mitosis Inhibitors Induce Massive Accumulation of Phytoene in the Microalga <i>Dunaliella salina</i> . <i>Marine Drugs</i> , 2021, 19, 595.	2.2	0
69	Evaluation of Cellular Uptake and Removal of Chlorpropham in the Treatment of <i>Dunaliella salina</i> for Phytoene Production. <i>Marine Drugs</i> , 2022, 20, 367.	2.2	0