# 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 | Evaluation of Cellular Uptake and Removal of Chlorpropham in the Treatment of Dunaliella salina for Phytoene Production. Marine Drugs, 2022, 20, 367. | 2.2 | 0 |
| 2 | Organic Carbon Is Ineffective in Enhancing the Growth of Dunaliella. Fermentation, 2022, 8, 261. | 1.4 | 3 |
| 3 | Methane production from Sargassum muticum: effects of seasonality and of freshwater washes. Energy and Built Environment, 2021, 2, 235-242. | 2.9 | 10 |
| 4 | Effect of Light Intensity and Wavelength on Biomass Growth and Protein and Amino Acid Composition of Dunaliella salina. Foods, 2021, 10, 1018. | 1.9 | 18 |
| 5 | Mitosis Inhibitors Induce Massive Accumulation of Phytoene in the Microalga Dunaliella salina. Marine Drugs, 2021, 19, 595. | 2.2 | 0 |
| 6 | A Comparison of Î²-Carotene, Phytoene and Amino Acids Production in Dunaliella salina DF 15 (CCAP) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.9 | 12 |
| 7 | Towards a sustainable Dunaliella salina microalgal biorefinery for 9-cis Î²-carotene production. Algal Research, 2020, 50, 102002. | 2.4 | 76 |
| 8 | Phytoene and phytofluene overproduction by Dunaliella salina using the mitosis inhibitor chlorpropham. Algal Research, 2020, 52, 102126. | 2.4 | 11 |
| 9 | Stereoisomers of Colourless Carotenoids from the Marine Microalga Dunaliella salina. Molecules, 2020, 25, 1880. | 1.7 | 11 |
| 10 | The inhibition of anaerobic digestion by model phenolic compounds representative of those from Sargassum muticum. Journal of Applied Phycology, 2019, 31, 779-786. | 1.5 | 38 |
| 11 | Mitochondrial Function, Mobility and Lifespan Are Improved in Drosophila melanogaster by Extracts of 9-cis-Î²-Carotene from Dunaliella salina. Marine Drugs, 2019, 17, 279. | 2.2 | 12 |
| 12 | Red Light Control of Î²-Carotene Isomerisation to 9-cis Î²-Carotene and Carotenoid Accumulation in Dunaliella salina. Antioxidants, 2019, 8, 148. | 2.2 | 23 |
| 13 | Carotenoid Production by Dunaliella salina under Red Light. Antioxidants, 2019, 8, 123. | 2.2 | 67 |
| 14 | Novel developments in biological technologies for wastewater processing. , 2019, , 239-278. | | 1 |
| 15 | A Brief Review of Anaerobic Digestion of Algae for Bioenergy. Energies, 2019, 12, 1166. | 1.6 | 126 |
| 16 | A Review of Seaweed Pre-Treatment Methods for Enhanced Biofuel Production by Anaerobic Digestion or Fermentation. Fermentation, 2018, 4, 100. | 1.4 | 91 |
| 17 | Effect of Freshwater Washing Pretreatment on Sargassum muticum as a Feedstock for Biogas Production. Energies, 2018, 11, 1771. | 1.6 | 37 |
| 18 | Anaerobic Digestion and Gasification of Seaweed. Grand Challenges in Biology and Biotechnology, 2018, , 237-258. | 2.4 | 13 |

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|---|---|---|---|
| 19 | Potential of New Isolates of Dunaliella Salina for Natural Î²-Carotene Production. Biology, 2018, 7, 14. | 1.3 | 71 |
| 20 | Changes in higher heating value and ash content of seaweed during ensiling. Journal of Applied Phycology, 2017, 29, 1037-1046. | 1.5 | 12 |
| 21 | Golden Tides: Problem or Golden Opportunity? The Valorisation of Sargassum from Beach Inundations. Journal of Marine Science and Engineering, 2016, 4, 60. | 1.2 | 135 |
| 22 | The influence of photoperiod and light intensity on the growth and photosynthesis of Dunaliella salina (chlorophyta) CCAP 19/30. Plant Physiology and Biochemistry, 2016, 106, 305-315. | 2.8 | 113 |
| 23 | Potential process â€˜hurdlesâ€™ in the use of macroalgae as feedstock for biofuel production in the British Isles. Journal of Chemical Technology and Biotechnology, 2016, 91, 2221-2234. | 1.6 | 69 |
| 24 | Reply to the commentary by Law and Han: the importance of suitable GC-MS date processing and analysis for plant and environmental metabolomics, with references to: changes in the abundance of sugars and sugar-like compounds in tall fescue (Festuca arundinacea) due to growth in naphthalene-treated sand. Environmental Science and Pollution Research, 2016, 23, 10286-10287. | 2.7 | 0 |
| 25 | Emerging pollutants and plants â€“ Metabolic activation of diclofenac by peroxidases. Chemosphere, 2016, 146, 435-441. | 4.2 | 56 |
| 26 | Ensilage and anaerobic digestion of Sargassum muticum. Journal of Applied Phycology, 2016, 28, 3021-3030. | 1.5 | 70 |
| 27 | Responses of tall fescue (Festuca arundinacea) to growth in naphthalene-contaminated sand: xenobiotic stress versus water stress. Environmental Science and Pollution Research, 2015, 22, 7495-7507. | 2.7 | 11 |
| 28 | Changes in the abundance of sugars and sugar-like compounds in tall fescue (Festuca arundinacea) due to growth in naphthalene-treated sand. Environmental Science and Pollution Research, 2015, 22, 5817-5830. | 2.7 | 5 |
| 29 | Slow Pyrolysis as a Method for the Destruction of Japanese Wireweed, Sargassum muticum. Environment and Natural Resources Research, 2014, 5, . | 0.1 | 16 |
| 30 | Macroalgae-Derived Biofuel: A Review of Methods of Energy Extraction from Seaweed Biomass. Energies, 2014, 7, 7194-7222. | 1.6 | 246 |
| 31 | Scanning electron microscopic investigations of root structural modifications arising from growth in crude oil-contaminated sand. Environmental Science and Pollution Research, 2014, 21, 12651-12661. | 2.7 | 15 |
| 32 | Design Analysis of Integrated Microalgae Biorefineries. Computer Aided Chemical Engineering, 2014, , 591-596. | 0.3 | 12 |
| 33 | Opportunities and problems of Bioenergy: The future. Biochemist, 2011, 33, 39-43. | 0.2 | 1 |
| 34 | Oxidation of mitoxantrone by lactoperoxidase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1649, 154-163. | 1.1 | 7 |
| 35 | Oxidation of thioanisole and p-methoxythioanisole by lignin peroxidase: kinetic evidence of a direct reaction between compound II and a radical cation. Biochemical Journal, 2003, 374, 761-766. | 1.7 | 4 |
| 36 | Spectrophotometric investigations with hexa-coordinate ferric lignin peroxidase: does water retention at the active site influence catalysis?. Biochemical and Biophysical Research Communications, 2002, 297, 406-411. | 1.0 | 1 |

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|---|---|---|---|
| 37 | Prospects for the phytoremediation of organic pollutants in Europe. Environmental Science and Pollution Research, 2002, 9, 1-3. | 2.7 | 45 |
| 38 | Phytoremediation of polyaromatic hydrocarbons, anilines and phenols. Environmental Science and Pollution Research, 2002, 9, 29-47. | 2.7 | 265 |
| 39 | Kinetic deuterium isotope effect in the oxidation of veratryl alcohol promoted by lignin peroxidase and chemical oxidants. Perkin Transactions II RSC, 2001, , 1512-1515. | 1.1 | 3 |
| 40 | The biochemistry of ligninolytic fungi. , 2001, , 27-51. | | 11 |
| 41 | Mechanism of nitrite-stimulated catalysis by lactoperoxidase. FEBS Journal, 2001, 268, 3214-3222. | 0.2 | 38 |
| 42 | Oxidation of aromatic sulfides by lignin peroxidase from Phanerochaete chrysosporium. FEBS Journal, 2000, 267, 2705-2710. | 0.2 | 30 |
| 43 | Respiratory pathways and oxygen toxicity inPhanerochaete chrysosporium. FEMS Microbiology Letters, 2000, 183, 153-157. | 0.7 | 8 |
| 44 | Metabolism of cellulose by Phanerochaete chrysosporium in continuously agitated culture is associated with enhanced production of lignin peroxidase. Journal of Biotechnology, 2000, 78, 185-192. | 1.9 | 27 |
| 45 | Disordered ultrastructure in lignin-peroxidase-secreting hyphae of the white-rot fungus Phanerochaete chrysosporium. Microbiology (United Kingdom), 2000, 146, 759-765. | 0.7 | 16 |
| 46 | Glyphosate-Tolerant Cotton:Â The Composition of the Cottonseed Is Equivalent to That of Conventional Cottonseed. Journal of Agricultural and Food Chemistry, 1996, 44, 1967-1974. | 2.4 | 52 |
| 47 | The Composition of Insect-Protected Cottonseed Is Equivalent to That of Conventional Cottonseed. Journal of Agricultural and Food Chemistry, 1996, 44, 365-371. | 2.4 | 57 |
| 48 | Radical cation cofactors in lignin peroxidase catalysis. Biochemical Society Transactions, 1995, 23, 262-267. | 1.6 | 9 |
| 49 | Lignin peroxidase catalysis: reaction with veratryl alcohol and a polymeric dye, Poly R. Biochemical Society Transactions, 1995, 23, 340S-340S. | 1.6 | 9 |
| 50 | Spectra and reactivity of the radical cations of lignin peroxidase co-factors and model compounds. Biochemical Society Transactions, 1995, 23, 342S-342S. | 1.6 | 3 |
| 51 | Lifetime and Reactivity of the Veratryl Alcohol Radical Cation.. Journal of Biological Chemistry, 1995, 270, 16745-16748. | 1.6 | 70 |
| 52 | Lignin peroxidase L3 from Phlebia rediata. 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. FEBS Journal, 1993, 211, 391-4020. | 0.2 | 48 |
| 53 | Treatment of barley straw with ligninase: effect on activity and fate of the enzyme shortly after being added to straw. Animal Feed Science and Technology, 1993, 41, 15-21. | 1.1 | 7 |
| 54 | Charge transfer reactions and feedback control of lignin peroxidase by phenolic compounds: Significance in lignin degradation. Journal of Biotechnology, 1993, 30, 57-69. | 1.9 | 20 |

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| 55 | On the Mechanism of Oxidation of Non-Phenolic Lignin Model Compounds by the Laccase-ABTS Couple. Holzforschung, 1992, 46, 121-126. | 0.9 | 76 |
| 56 | Catalytic mechanisms and regulation of lignin peroxidase. Biochemical Society Transactions, 1992, 20, 345-349. | 1.6 | 42 |
| 57 | Lignin peroxidase from Phanerochaete-chrysosporium. Molecular and kinetic characterization of isozymes. FEBS Journal, 1990, 187, 515-520. | 0.2 | 77 |
| 58 | Radical intermediates in veratryl alcohol oxidation by ligninase. NMR evidence. BBA - Proteins and Proteomics, 1990, 1041, 129-132. | 2.1 | 27 |
| 59 | A preliminary study of the treatment of Barley straw with ligninase enzyme: Effect on in-vitro digestibility and chemical composition. Biological Wastes, 1990, 33, 53-62. | 0.3 | 8 |
| 60 | Oxidation of phenolic compounds by ligninase. Journal of Biotechnology, 1990, 13, 169-179. | 1.9 | 69 |
| 61 | Pre-steady-state kinetic study on the formation of Compound I and II of ligninase. BBA - Proteins and Proteomics, 1989, 994, 59-63. | 2.1 | 51 |
| 62 | Lignin degradation by white rot fungi.. Plant, Cell and Environment, 1987, 10, 709-714. | 2.8 | 12 |
| 63 | Lignin degradeation by white rot fungi. Plant, Cell and Environment, 1987, 10, 709-714. | 2.8 | 12 |
| 64 | Veratryl alcohol as a mediator and the role of radical cations in lignin biodegradation byPhanerochaete chrysosporium. FEBS Letters, 1986, 195, 242-246. | 1.3 | 274 |
| 65 | Recent developments in the understanding of lignin biodegradation. Journal of Biological Education, 1986, 20, 169-174. | 0.8 | 1 |
| 66 | On the mechanism of enzymatic lignin breakdown. FEBS Letters, 1985, 183, 7-12. | 1.3 | 163 |
| 67 | Single-electron transfer processes and the reaction mechanism of enzymic degradation of lignin. FEBS Letters, 1985, 183, 13-16. | 1.3 | 105 |
| 68 | Isolation and characterization of the storage protein of yam tubers (Dioscorea rotundata). Phytochemistry, 1983, 22, 1687-1693. | 1.4 | 63 |
| 69 | White-rot fungi and xenobiotics. , 0, , 205-235. | | 0 |