

Paul Cox

List of Publications by Year in descending order

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108
papers

7,269
citations

61984

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56724

83
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114
docs citations

114
times ranked

4169
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Cyclotides Chemosensitize Glioblastoma Cells to Temozolomide. <i>Journal of Natural Products</i> , 2022, 85, 34-46. | 3.0 | 5 |
| 2 | A possible blood plasma biomarker for early-stage Alzheimer's disease. <i>PLoS ONE</i> , 2022, 17, e0267407. | 2.5 | 4 |
| 3 | Biocrust-Produced Cyanotoxins Are Found Vertically in the Desert Soil Profile. <i>Neurotoxicity Research</i> , 2021, 39, 42-48. | 2.7 | 10 |
| 4 | BMAA, Neurodegeneration, and Neuroprotection. <i>Neurotoxicity Research</i> , 2021, 39, 1-5. | 2.7 | 6 |
| 5 | A comparison of the efficiency of RNA extraction from extracellular vesicles using the Qiagen RNeasy MinElute versus Enzymax LLC RNA Tini Spin columns and qPCR of miRNA. <i>Biology Methods and Protocols</i> , 2021, 6, bpab015. | 2.2 | 4 |
| 6 | BMAA Neurotoxicity. , 2021, , 1-16. | | 1 |
| 7 | Cyanotoxins and the Nervous System. <i>Toxins</i> , 2021, 13, 660. | 3.4 | 19 |
| 8 | BMAA, Methylmercury, and Mechanisms of Neurodegeneration in Dolphins: A Natural Model of Toxin Exposure. <i>Toxins</i> , 2021, 13, 697. | 3.4 | 12 |
| 9 | An miRNA fingerprint using neural-enriched extracellular vesicles from blood plasma: towards a biomarker for amyotrophic lateral sclerosis/motor neuron disease. <i>Open Biology</i> , 2020, 10, 200116. | 3.6 | 53 |
| 10 | l-Serine Reduces Spinal Cord Pathology in a Vervet Model of Preclinical ALS/MND. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 393-406. | 1.7 | 42 |
| 11 | Cyanobacterial neurotoxin BMAA and brain pathology in stranded dolphins. <i>PLoS ONE</i> , 2019, 14, e0213346. | 2.5 | 37 |
| 12 | Creating a Simian Model of Guam ALS/PDC Which Reflects Chamorro Lifetime BMAA Exposures. <i>Neurotoxicity Research</i> , 2018, 33, 24-32. | 2.7 | 12 |
| 13 | Mechanisms of l-Serine Neuroprotection in vitro Include ER Proteostasis Regulation. <i>Neurotoxicity Research</i> , 2018, 33, 123-132. | 2.7 | 12 |
| 14 | l-Serine-Mediated Neuroprotection Includes the Upregulation of the ER Stress Chaperone Protein Disulfide Isomerase (PDI). <i>Neurotoxicity Research</i> , 2018, 33, 113-122. | 2.7 | 26 |
| 15 | L-Serine: a Naturally-Occurring Amino Acid with Therapeutic Potential. <i>Neurotoxicity Research</i> , 2018, 33, 213-221. | 2.7 | 65 |
| 16 | Public health responses to toxic cyanobacterial blooms: perspectives from the 2016 Florida event. <i>Water Policy</i> , 2018, 20, 919-932. | 1.5 | 27 |
| 17 | BMAA and Neurodegenerative Illness. <i>Neurotoxicity Research</i> , 2018, 33, 178-183. | 2.7 | 39 |
| 18 | Traditional Food Items in Ogimi, Okinawa: l-Serine Content and the Potential for Neuroprotection. <i>Current Nutrition Reports</i> , 2017, 6, 24-31. | 4.3 | 22 |

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|----|--|-----|-----------|
| 19 | β -N-methylamino- α -alanine analysis in the brains of patients with Kii ALS/PDC. <i>Neurology</i> , 2017, 89, 1091-1092. | 1.1 | 5 |
| 20 | Analysis of BMAA enantiomers in cycads, cyanobacteria, and mammals: in vivo formation and toxicity of d-BMAA. <i>Amino Acids</i> , 2017, 49, 1427-1439. | 2.7 | 29 |
| 21 | Phase I clinical trial of safety of L-serine for ALS patients. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2017, 18, 107-111. | 1.7 | 57 |
| 22 | Do vervets and macaques respond differently to BMAA?. <i>NeuroToxicology</i> , 2016, 57, 310-311. | 3.0 | 15 |
| 23 | Dietary exposure to an environmental toxin triggers neurofibrillary tangles and amyloid deposits in the brain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152397. | 2.6 | 176 |
| 24 | Detection of Cyanotoxins, β -N-methylamino-L-alanine and Microcystins, from a Lake Surrounded by Cases of Amyotrophic Lateral Sclerosis. <i>Toxins</i> , 2015, 7, 322-336. | 3.4 | 84 |
| 25 | Desert crust microorganisms, their environment, and human health. <i>Journal of Arid Environments</i> , 2015, 112, 127-133. | 2.4 | 60 |
| 26 | The persistence of cyanobacterial toxins in desert soils. <i>Journal of Arid Environments</i> , 2015, 112, 134-139. | 2.4 | 49 |
| 27 | Neurotoxic amino acids and their isomers in desert environments. <i>Journal of Arid Environments</i> , 2015, 112, 140-144. | 2.4 | 46 |
| 28 | Detection of cyanobacterial neurotoxin β -N-methylamino-l-alanine within shellfish in the diet of an ALS patient in Florida. <i>Toxicon</i> , 2014, 90, 167-173. | 1.6 | 59 |
| 29 | Is exposure to cyanobacteria an environmental risk factor for amyotrophic lateral sclerosis and other neurodegenerative diseases?. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2013, 14, 325-333. | 1.7 | 72 |
| 30 | Linking β -methylamino-l-alanine exposure to sporadic amyotrophic lateral sclerosis in Annapolis, MD. <i>Toxicon</i> , 2013, 70, 179-183. | 1.6 | 69 |
| 31 | Bioprospecting. , 2013, , 588-599. | | 4 |
| 32 | Pharmacology, Biodiversity and. , 2013, , 703-715. | | 0 |
| 33 | The Non-Protein Amino Acid BMAA Is Misincorporated into Human Proteins in Place of l-Serine Causing Protein Misfolding and Aggregation. <i>PLoS ONE</i> , 2013, 8, e75376. | 2.5 | 248 |
| 34 | Dietary BMAA Exposure in an Amyotrophic Lateral Sclerosis Cluster from Southern France. <i>PLoS ONE</i> , 2013, 8, e83406. | 2.5 | 116 |
| 35 | Cyanobacteria Produce N-(2-Aminoethyl)Glycine, a Backbone for Peptide Nucleic Acids Which May Have Been the First Genetic Molecules for Life on Earth. <i>PLoS ONE</i> , 2012, 7, e49043. | 2.5 | 61 |
| 36 | Evolutionary trajectories explain the diversified evolution of isogamy and anisogamy in marine green algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13692-13697. | 7.1 | 24 |

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|----|--|------|-----------|
| 37 | Distinguishing the cyanobacterial neurotoxin Î ² -N-methylamino-l-alanine (BMAA) from other diamino acids. <i>Toxicon</i> , 2011, 57, 730-738. | 1.6 | 59 |
| 38 | Nitrogen starvation of cyanobacteria results in the production of Î ² -N-methylamino-L-alanine. <i>Toxicon</i> , 2011, 58, 187-194. | 1.6 | 101 |
| 39 | Evolution of anisogamy and related phenomena in marine green algae. , 2011, , 194-242. | | 12 |
| 40 | Distinguishing the cyanobacterial neurotoxin Î ² -N-methylamino-l-alanine (BMAA) from its structural isomer 2,4-diaminobutyric acid (2,4-DAB). <i>Toxicon</i> , 2010, 56, 868-879. | 1.6 | 63 |
| 41 | Beyond Guam: Cyanobacteria, BMAA and sporadic amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2009, 10, 5-6. | 2.1 | 17 |
| 42 | Conclusion to the Symposium: The seven pillars of the cyanobacteria/BMAA hypothesis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2009, 10, 124-126. | 2.1 | 11 |
| 43 | Evolution of gamete size in primitive taxa without mating types. <i>Population Ecology</i> , 2009, 51, 83-88. | 1.2 | 6 |
| 44 | Competitive exclusion of Cyanobacterial species in the Great Salt Lake. <i>Extremophiles</i> , 2009, 13, 355-361. | 2.3 | 31 |
| 45 | Cyanobacterial neurotoxin BMAA in ALS and Alzheimer's disease. <i>Acta Neurologica Scandinavica</i> , 2009, 120, 216-225. | 2.1 | 284 |
| 46 | Consumption of <i>fa cai Nostoc</i> soup: A Potential for BMAA exposure from <i>Nostoc</i> cyanobacteria in China?. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2009, 10, 44-49. | 2.1 | 37 |
| 47 | Cyanobacteria and BMAA exposure from desert dust: A possible link to sporadic ALS among Gulf War veterans. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2009, 10, 109-117. | 2.1 | 145 |
| 48 | Effects of gamete behavior and density on fertilization success in marine green algae: insights from three-dimensional numerical simulations. <i>Aquatic Ecology</i> , 2008, 42, 355-362. | 1.5 | 5 |
| 49 | Equal Sex Ratios of a Marine Green Alga, <i>Bryopsis plumosa</i> . <i>Journal of Integrative Plant Biology</i> , 2008, 50, 648-652. | 8.5 | 11 |
| 50 | Co-occurrence of Î ² -N-methylamino-l-alanine, a neurotoxic amino acid with other cyanobacterial toxins in British waterbodies, 1990-2004. <i>Environmental Microbiology</i> , 2008, 10, 702-708. | 3.8 | 229 |
| 51 | Cyanobacteria (<i>Nostoc commune</i>) used as a dietary item in the Peruvian highlands produce the neurotoxic amino acid BMAA. <i>Journal of Ethnopharmacology</i> , 2008, 118, 159-165. | 4.1 | 111 |
| 52 | Variability in Content of the Anti-AIDS Drug Candidate Prostratin in Samoan Populations of <i>Homalanthus nutans</i> . <i>Journal of Natural Products</i> , 2008, 71, 2041-2044. | 3.0 | 37 |
| 53 | Giving Samoan Healers Credit for Prostratin. <i>Science</i> , 2008, 320, 1589-1589. | 12.6 | 5 |
| 54 | Underwater fertilization dynamics of marine green algae. <i>Mathematical Biosciences</i> , 2007, 209, 205-221. | 1.9 | 18 |

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|----|--|-----|-----------|
| 55 | Prestige, taboo, and sustainability: predicting wildlife population trajectories in indigenous commerce. <i>Pacific Conservation Biology</i> , 2007, 13, 4. | 1.0 | 2 |
| 56 | Cyanobacteria, Cycads, and Neurodegenerative Disease among the Chamorro People of Guam. , 2007, , . | | 6 |
| 57 | Production of the Neurotoxin BMAA by a Marine Cyanobacterium. <i>Marine Drugs</i> , 2007, 5, 180-196. | 4.6 | 171 |
| 58 | BMAA selectively injures motor neurons via AMPA/kainate receptor activation. <i>Experimental Neurology</i> , 2006, 201, 244-252. | 4.1 | 234 |
| 59 | Neurotoxic flying foxes as dietary items for the Chamorro people, Marianas Islands. <i>Journal of Ethnopharmacology</i> , 2006, 106, 97-104. | 4.1 | 139 |
| 60 | Diverse taxa of cyanobacteria produce \hat{A} -N-methylamino-L-alanine, a neurotoxic amino acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5074-5078. | 7.1 | 610 |
| 61 | A mechanism for slow release of biomagnified cyanobacterial neurotoxins and neurodegenerative disease in Guam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12228-12231. | 7.1 | 357 |
| 62 | Simulation of gamete behaviors and the evolution of anisogamy: reproductive strategies of marine green algae. <i>Ecological Research</i> , 2004, 19, 563-569. | 1.5 | 4 |
| 63 | Phototaxis and the evolution of isogamy and "slight anisogamy"™ in marine green algae: insights from laboratory observations and numerical experiments. <i>Botanical Journal of the Linnean Society</i> , 2004, 144, 321-327. | 1.6 | 15 |
| 64 | Conservation Implications of Chamorro Consumption of Flying Foxes as a Possible Cause of Amyotrophic Lateral Sclerosis-Parkinsonism Dementia Complex in Guam. <i>Conservation Biology</i> , 2003, 17, 678-686. | 4.7 | 47 |
| 65 | Distribution of the neurotoxic nonprotein amino acid BMAA in <i>Cycas micronesica</i> . <i>Botanical Journal of the Linnean Society</i> , 2003, 143, 165-168. | 1.6 | 83 |
| 66 | Biomagnification of cycad neurotoxins in flying foxes. <i>Neurology</i> , 2003, 61, 387-389. | 1.1 | 233 |
| 67 | Biomagnification of cyanobacterial neurotoxins and neurodegenerative disease among the Chamorro people of Guam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13380-13383. | 7.1 | 513 |
| 68 | Cycad neurotoxins, consumption of flying foxes, and ALS-PDC disease in Guam. <i>Neurology</i> , 2002, 58, 956-959. | 1.1 | 301 |
| 69 | Tidal-linked synchrony of gamete release in the marine green alga, <i>Monostroma angicava</i> Kjellman. <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 264, 117-131. | 1.5 | 45 |
| 70 | Ensuring Equitable Benefits: The Falealupo Covenant and the Isolation of Anti-Viral Drug Prostratin from a Samoan Medicinal Plant. <i>Pharmaceutical Biology</i> , 2001, 39, 33-40. | 2.9 | 24 |
| 71 | Ensuring Equitable Benefits: The Falealupo Covenant and the Isolation of Anti-Viral Drug Prostratin from a Samoan Medicinal Plant. <i>Pharmaceutical Biology</i> , 2001, 39, 33-40. | 2.9 | 20 |
| 72 | Pharmacology, Biodiversity and. , 2001, , 523-536. | | 0 |

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|----|--|-----|-----------|
| 73 | Pollinator Extinction in the Pacific Islands. <i>Conservation Biology</i> , 2000, 14, 1237-1239. | 4.7 | 142 |
| 74 | Gametic behavior in a marine green alga, <i>Monostroma angicava</i> : an effect of phototaxis on mating efficiency. <i>Sexual Plant Reproduction</i> , 1999, 12, 158-163. | 2.2 | 30 |
| 75 | Nafanua: Saving the Samoan Rain Forest. <i>Geographical Review</i> , 1999, 89, 610. | 1.8 | 2 |
| 76 | The promise of Gerard's Herball: new drugs from old books. <i>Endeavour</i> , 1998, 22, 51-53. | 0.4 | 10 |
| 77 | Sugarbeet culture and mormon economic development in the Intermountain West. <i>Economic Botany</i> , 1998, 52, 201-206. | 1.7 | 4 |
| 78 | The making of the kato alu – A traditional tongan basket. <i>Economic Botany</i> , 1997, 51, 144-148. | 1.7 | 2 |
| 79 | Ecocolonialism and indigenous knowledge systems: village controlled rainforest preserves in Samoa. <i>Pacific Conservation Biology</i> , 1994, 1, 6. | 1.0 | 9 |
| 80 | The Ethnobotanical Approach to Drug Discovery. <i>Scientific American</i> , 1994, 270, 82-87. | 1.0 | 328 |
| 81 | Water-Pollinated Plants. <i>Scientific American</i> , 1993, 269, 68-74. | 1.0 | 9 |
| 82 | Saving the ethnopharmacological heritage of Samoa. <i>Journal of Ethnopharmacology</i> , 1993, 38, 177-180. | 4.1 | 50 |
| 83 | Flower structure and potential bisexuality in <i>Freycinetia reineckei</i> (Pandanaceae), a species of the Samoa Islands. <i>Botanical Journal of the Linnean Society</i> , 1992, 110, 235-265. | 1.6 | 10 |
| 84 | Flying Foxes as Strong Interactors in South Pacific Island Ecosystems: A Conservation Hypothesis. <i>Conservation Biology</i> , 1991, 5, 448-454. | 4.7 | 181 |
| 85 | Pollination and the Evolution of Breeding Systems in Pandanaceae. <i>Annals of the Missouri Botanical Garden</i> , 1990, 77, 816. | 1.3 | 56 |
| 86 | TWO-DIMENSIONAL POLLINATION IN HYDROPHILOUS PLANTS: CONVERGENT EVOLUTION IN THE GENERA HALODULE (CYMODOCEACEAE), HALOPHILA (HYDROCHARITACEAE), RUPPIA (RUPPIACEAE), AND LEPILAENA (ZANNICHELLIACEAE). <i>American Journal of Botany</i> , 1989, 76, 164-175. | 1.7 | 46 |
| 87 | Two-Dimensional Pollination in Hydrophilous Plants: Convergent Evolution in the Genera Halodule (Cymodoceaceae), Halophila (Hydrocharitaceae), Ruppia (Ruppiaceae), and Lepilaena (Zannichelliaceae). <i>American Journal of Botany</i> , 1989, 76, 164. | 1.7 | 23 |
| 88 | Pharmacological activity of the Samoan ethnopharmacopoeia. <i>Economic Botany</i> , 1989, 43, 487-497. | 1.7 | 39 |
| 89 | Pollination Ecology of a Seagrass, <i>Thalassia testudinum</i> (Hydrocharitaceae), in St. Croix. <i>American Journal of Botany</i> , 1988, 75, 958. | 1.7 | 18 |
| 90 | POLLINATION ECOLOGY OF A SEAGRASS, THALASSIA TESTUDINUM (HYDROCHARITACEAE), IN ST. CROIX. <i>American Journal of Botany</i> , 1988, 75, 958-965. | 1.7 | 22 |

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|-----|--|-----|-----------|
| 91 | Ethnobotany of ocean-going canoes in Lau, Fiji. <i>Economic Botany</i> , 1987, 41, 148-162. | 1.7 | 19 |
| 92 | Use of Derris as a Fish Poison in Guadalcanal, Solomon Islands. <i>Economic Botany</i> , 1986, 40, 479-484. | 1.7 | 10 |
| 93 | Gamete Motion, Search, and the Evolution of Anisogamy, Oogamy, and Chemotaxis. <i>American Naturalist</i> , 1985, 125, 74-101. | 2.1 | 67 |
| 94 | Breadfruit fermentation in micronesia. <i>Economic Botany</i> , 1985, 39, 326-335. | 1.7 | 24 |
| 95 | Custom Umbrellas (Poro) from Pandanus in Solomon Islands. <i>Economic Botany</i> , 1984, 38, 314-321. | 1.7 | 8 |
| 96 | Chiropterophily and ornithophily in Freycinetia (Pandanaceae) in Samoa. <i>Plant Systematics and Evolution</i> , 1984, 144, 277-290. | 0.9 | 33 |
| 97 | Monoecism in the Genus Freycinetia (Pandanaceae). <i>Biotropica</i> , 1984, 16, 313. | 1.6 | 3 |
| 98 | Extinction of the Hawaiian Avifauna Resulted in a Change of Pollinators for the ieie, Freycinetia arborea. <i>Oikos</i> , 1983, 41, 195. | 2.7 | 78 |
| 99 | Observations on the natural history of Samoan bats. <i>Mammalia</i> , 1983, 47, . | 0.7 | 35 |
| 100 | Search Theory, Random Motion, and the Convergent Evolution of Pollen and Spore Morphology in Aquatic Plants. <i>American Naturalist</i> , 1983, 121, 9-31. | 2.1 | 72 |
| 101 | Vertebrate Pollination and the Maintenance of Dioecism in Freycinetia. <i>American Naturalist</i> , 1982, 120, 65-80. | 2.1 | 64 |
| 102 | Cordyline ovens (Umu Ti) in Samoa. <i>Economic Botany</i> , 1982, 36, 389-396. | 1.7 | 6 |
| 103 | Use of a hallucinogenic mushroom, Copelandia cyanescens, in Samoa. <i>Journal of Ethnopharmacology</i> , 1981, 4, 115-116. | 4.1 | 9 |
| 104 | Bisexuality in the Pandanaceae: New Findings in the Genus Freycinetia. <i>Biotropica</i> , 1981, 13, 195. | 1.6 | 11 |
| 105 | Niche Partitioning between Sexes of Dioecious Plants. <i>American Naturalist</i> , 1981, 117, 295-307. | 2.1 | 188 |
| 106 | Two samoan technologies for breadfruit and banana preservation. <i>Economic Botany</i> , 1980, 34, 181-185. | 1.7 | 24 |
| 107 | Use of indigenous plants as fish poisons in samoa. <i>Economic Botany</i> , 1979, 33, 397-399. | 1.7 | 15 |
| 108 | Introduction: The evolutionary mystery of gamete dimorphism. , 0, , 1-16. | | 14 |