# Clive G Jones

List of Publications by Year
in descending order

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|---|---|---|---|
| 123 papers | 17,646 citations | 47006 47 h-index | 24982 109 g-index |
| 125 all docs | 125 docs citations | 125 times ranked | 15498 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Organisms as Ecosystem Engineers. Oikos, 1994, 69, 373. | 2.7 | 4,197 |
| 2 | POSITIVE AND NEGATIVE EFFECTS OF ORGANISMS AS PHYSICAL ECOSYSTEM ENGINEERS. Ecology, 1997, 78, 1946-1957. | 3.2 | 1,807 |
| 3 | Mollusks as ecosystem engineers: the role of shell production in aquatic habitats. Oikos, 2003, 101, 79-90. | 2.7 | 811 |
| 4 | Organisms as Ecosystem Engineers. , 1994, , 130-147. | | 735 |
| 5 | Mechanism of dye response and interference in the Bradford protein assay. Analytical Biochemistry, 1985, 151, 369-374. | 2.4 | 515 |
| 6 | An ecosystem engineer, the beaver, increases species richness at the landscape scale. Oecologia, 2002, 132, 96-101. | 2.0 | 500 |
| 7 | Ecosystem engineering in space and time. Ecology Letters, 2007, 10, 153-164. | 6.4 | 488 |
| 8 | The Concept of Organisms as Ecosystem Engineers Ten Years On: Progress, Limitations, and Challenges. BioScience, 2006, 56, 203. | 4.9 | 445 |
| 9 | Natural products ? a simple model to explain chemical diversity. Natural Product Reports, 2003, 20, 382. | 10.3 | 399 |
| 10 | Chain Reactions Linking Acorns to Gypsy Moth Outbreaks and Lyme Disease Risk. Science, 1998, 279, 1023-1026. | 12.6 | 393 |
| 11 | Using ecosystem engineers to restore ecological systems. Trends in Ecology and Evolution, 2006, 21, 493-500. | 8.7 | 371 |
| 12 | Urbanization effects on tree growth in the vicinity of New York City. Nature, 2003, 424, 183-187. | 27.8 | 355 |
| 13 | Of Mice and Mast. BioScience, 1996, 46, 323-330. | 4.9 | 351 |
| 14 | A Protein Competition Model of Phenolic Allocation. Oikos, 1999, 86, 27. | 2.7 | 343 |
| 15 | A Framework for a Theory of Ecological Boundaries. BioScience, 2003, 53, 750. | 4.9 | 325 |
| 16 | Measuring plant protein with the Bradford assay. Journal of Chemical Ecology, 1989, 15, 979-992. | 1.8 | 232 |
| 17 | On the evolution of plant secondary chemical diversity. Philosophical Transactions of the Royal Society B: Biological Sciences, 1991, 333, 273-280. | 4.0 | 222 |
| 18 | Insect Defoliation and Nitrogen Cycling in Forests. BioScience, 2002, 52, 335. | 4.9 | 217 |

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|---|---|---|---|
| 19 | Negative regulation of defence and stress genes by EAR-motif-containing repressors. Trends in Plant Science, 2006, 11, 109-112. | 8.8 | 213 |
| 20 | Impacts of Rising Atmospheric Carbon Dioxide on Model Terrestrial Ecosystems. Science, 1998, 280, 441-443. | 12.6 | 212 |
| 21 | The evolution of secondary metabolism - a unifying model. Molecular Microbiology, 2000, 37, 989-994. | 2.5 | 198 |
| 22 | A framework for understanding physical ecosystem engineering by organisms. Oikos, 2010, 119, 1862-1869. | 2.7 | 184 |
| 23 | Under niche construction: an operational bridge between ecology, evolution, and ecosystem science. Ecological Monographs, 2014, 84, 245-263. | 5.4 | 148 |
| 24 | Effects of Damage to Living Plants on Leaf Litter Quality. , 1996, 6, 269-275. | | 147 |
| 25 | Integrating Ecology and Environmental Ethics: Earth Stewardship in the Southern End of the Americas. BioScience, 2012, 62, 226-236. | 4.9 | 132 |
| 26 | PREDICTING EFFECTS OF ECOSYSTEM ENGINEERS ON PATCH-SCALE SPECIES RICHNESS FROM PRIMARY PRODUCTIVITY. Ecology, 2004, 85, 2071-2081. | 3.2 | 127 |
| 27 | Physical Ecosystem Engineers as Agents of Biogeochemical Heterogeneity. BioScience, 2006, 56, 227. | 4.9 | 127 |
| 28 | Patch dynamics in a landscape modified by ecosystem engineers. Oikos, 2004, 105, 336-348. | 2.7 | 122 |
| 29 | Assessing impacts of ecosystem engineers on community organization: a general approach illustrated by effects of a high-Andean cushion plant. Oikos, 2006, 115, 369-385. | 2.7 | 120 |
| 30 | Control of systemically induced herbivore resistance by plant vascular architecture. Oecologia, 1993, 93, 452-456. | 2.0 | 112 |
| 31 | Biosynthesis of plant phenolic compounds in elevated atmospheric CO2. Global Change Biology, 2000, 6, 497-506. | 9.5 | 112 |
| 32 | Plants as resource mosaics: a functional model for predicting patterns of within-plant resource heterogeneity to consumers based on vascular architecture and local environmental variability. Oikos, 2001, 94, 493-504. | 2.7 | 107 |
| 33 | Predictability of ecosystem engineering effects on species richness across environmental variability and spatial scales. Journal of Ecology, 2006, 94, 815-824. | 4.0 | 106 |
| 34 | Effects of Acorn Production and Mouse Abundance on Abundance and Borrelia burgdorferi Infection Prevalence of Nymphal Ixodes scapularis Ticks. Vector-Borne and Zoonotic Diseases, 2001, 1, 55-63. | 1.5 | 101 |
| 35 | Herbivory in Rocks and the Weathering of a Desert. Science, 1987, 236, 1098-1099. | 12.6 | 100 |
| 36 | Rain Forest Islands in the Chilean Semiarid Region: Fog-dependency, Ecosystem Persistence and Tree Regeneration. Ecosystems, 2006, 9, 598-608. | 3.4 | 100 |

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| 37 | A Darwinian view of metabolism: molecular properties determine fitness. Journal of Experimental Botany, 2009, 60, 719-726. | 4.8 | 94 |
| 38 | Integrating ecosystem engineering and food webs. Oikos, 2014, 123, 513-524. | 2.7 | 87 |
| 39 | Potential for landscape-scale positive interactions among tropical marine ecosystems. Marine Ecology - Progress Series, 2014, 503, 289-303. | 1.9 | 86 |
| 40 | Ecosystem engineers and geomorphological signatures in landscapes. Geomorphology, 2012, 157-158, 75-87. | 2.6 | 82 |
| 41 | LOCAL VS. LANDSCAPE CONTROLS ON PLANT SPECIES RICHNESS IN BEAVER MEADOWS. Ecology, 2003, 84, 3162-3173. | 3.2 | 81 |
| 42 | The Contribution of Crab Burrow Excavation to Carbon Availability in Surficial Salt-marsh Sediments. Ecosystems, 2006, 9, 647-658. | 3.4 | 79 |
| 43 | Plant stress and insect behavior: cottonwood, ozone and the feeding and oviposition preference of a beetle. Oecologia, 1988, 76, 51-56. | 2.0 | 72 |
| 44 | The role of phytoecdysteroids in bracken fern,Pteridium aquilinum (L.) Kuhn as a defense against phytophagous insect attack. Journal of Chemical Ecology, 1978, 4, 117-138. | 1.8 | 66 |
| 45 | The Self-Identity of Ecological Units. Oikos, 1998, 82, 253. | 2.7 | 66 |
| 46 | Fertilization of the desert soil by rock-eating snails. Nature, 1990, 346, 839-841. | 27.8 | 65 |
| 47 | Plant Stress and Insect Herbivory: Toward an Integrated Perspective. , 1991, , 249-280. | | 64 |
| 48 | Some allelochemicals of Pteridium aquilinum and their involvement in resistance to Pieris brassicae. Biochemical Systematics and Ecology, 1979, 7, 187-192. | 1.3 | 58 |
| 49 | Plant Chemistry and Insect Species Richness of British Umbellifers. Journal of Animal Ecology, 1991, 60, 767. | 2.8 | 57 |
| 50 | Plant stress and insect performance: cottonwood, ozone and a leaf beetle. Oecologia, 1988, 76, 57-61. | 2.0 | 54 |
| 51 | Title is missing!. Journal of Chemical Ecology, 1999, 25, 635-656. | 1.8 | 46 |
| 52 | Linking ecosystem engineers toÂsoil processes: aÂframework using theÂJenny State Factor Equation. European Journal of Soil Biology, 2006, 42, S39-S53. | 3.2 | 46 |
| 53 | Reduction in diet breadth results in sequestration of plant chemicals and increases efficacy of chemical defense in a generalist grasshopper. Journal of Chemical Ecology, 1989, 15, 1811-1822. | 1.8 | 45 |
| 54 | Effects of Nitrogen Fertilization on Leaf Chemistry and Beetle Feeding Are Mediated by Leaf Development. Oikos, 1998, 82, 502. | 2.7 | 45 |

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| 55 | Variation in isoprene emission fromQuercus rubra: Sources, causes, and consequences for estimating fluxes. Journal of Geophysical Research, 2005, 110, . | 3.3 | 44 |
| 56 | DIURNAL VARIATION IN THE BASAL EMISSION RATE OF ISOPRENE. , 2003, 13, 269-278. | | 41 |
| 57 | Regeneration patterns and persistence of the fogâ€dependent Fray Jorge forest in semiarid Chile during the past two centuries. Global Change Biology, 2008, 14, 161-176. | 9.5 | 41 |
| 58 | Chemical Defense in Taeniopoda eques (Orthoptera: Acrididae): Role of the Metathoracic Secretion. Annals of the Entomological Society of America, 1985, 78, 451-455. | 2.5 | 39 |
| 59 | Acute Ozone Stress on Eastern Cottonwood (Populus deltoides Bartr.) and the Pest Potential of the Aphid, Chaitophorus populicola Thomas (Homoptera: Aphididae). Environmental Entomology, 1988, 17, 207-212. | 1.4 | 39 |
| 60 | Toward an integrated ecosystem perspective of invasive species impacts. Acta Oecologica, 2014, 54, 131-138. | 1.1 | 39 |
| 61 | Phytochemical Variation, Colonization, and Insect Communities: the Case of Bracken Fern (Pteridium) Tj ETQq1 1 0.784314 rgBT /Ove | | 37 |
| 62 | Leaf- and shoot-level plasticity in response to different nutrient and water availabilities. Tree Physiology, 2007, 27, 1731-1739. | 3.1 | 37 |
| 63 | Positive feedback of consumer population density on resource supply. Trends in Ecology and Evolution, 1989, 4, 234-238. | 8.7 | 36 |
| 64 | Ecosystem engineering by organisms: why semantics matters. Trends in Ecology and Evolution, 1997, 12, 275. | 8.7 | 36 |
| 65 | Variation in Eastern Cottonwood (<I>Populus deltoides</I> Bartr.) Phloem Sap Content Caused by Leaf Development May Affect Feeding Site Selection Behavior of the Aphid, <I>Chaitophorous populicola</I> Thomas (Homoptera: Aphididae). Environmental Entomology, 2007, 36, 1212-1225. | 1.4 | 36 |
| 66 | Effects of diet breadth on autogenous chemical defense of a generalist grasshopper. Journal of Chemical Ecology, 1987, 13, 283-297. | 1.8 | 35 |
| 67 | Resistance of Pteridium aquilinum to attack by non-adapted phytophagous insects. Biochemical Systematics and Ecology, 1979, 7, 95-101. | 1.3 | 32 |
| 68 | Idiosyncratic variation in chemical defenses among individual generalist grasshoppers. Journal of Chemical Ecology, 1986, 12, 749-761. | 1.8 | 32 |
| 69 | 1 On the purpose, meaning, and usage of the physical ecosystem engineering concept. Theoretical Ecology Series, 2007, , 3-24. | 0.2 | 31 |
| 70 | Exposure of cottonwood plants to ozone alters subsequent leaf decomposition. Oecologia, 1990, 82, 248-250. | 2.0 | 30 |
| 71 | A generalist herbivore in a specialist mode Metabolic, sequestrative, and defensive consequences. Journal of Chemical Ecology, 1990, 16, 223-244. | 1.8 | 28 |
| 72 | USE OF TRACK PLATES TO QUANTIFY PREDATION RISK AT SMALL SPATIAL SCALES. Journal of Mammalogy, 2005, 86, 991-996. | 1.3 | 28 |

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| 73 | Defensive Secretion Production in Lubber Grasshoppers (Orthoptera: Romaleidae): Influence of Age, Sex, Diet, and Discharge Frequency. Annals of the Entomological Society of America, 1992, 85, 96-102. | 2.5 | 27 |
| 74 | Defoliation effects on isoprene emission from Populus deltoides. Oecologia, 1999, 118, 333-339. | 2.0 | 26 |
| 75 | Opportunities for Protecting and Restoring Tropical Coastal Ecosystems by Utilizing a Physical Connectivity Approach. Frontiers in Marine Science, 2017, 4, . | 2.5 | 26 |
| 76 | Type 3 functional response of mice to gypsy moth pupae: is it stabilizing?. Oikos, 2004, 107, 592-602. | 2.7 | 24 |
| 77 | Linking species and ecosystem perspectives. Trends in Ecology and Evolution, 1993, 8, 311-313. | 8.7 | 23 |
| 78 | Interactions among patch area, forest structure and water fluxes in a fogâ€inundated forest ecosystem in semiâ€arid Chile. Functional Ecology, 2010, 24, 909-917. | 3.6 | 23 |
| 79 | Leaf disc size and insect feeding preference: implications for assays and studies on induction of plant defense. Entomologia Experimentalis Et Applicata, 1988, 47, 167-172. | 1.4 | 22 |
| 80 | IdentificaciÃ³n de los mecanismos subyacentes a la invasiÃ³n de Castor canadensis (Rodentia) en el archipiÃ©lago de Tierra del Fuego, Chile. Revista Chilena De Historia Natural, 2007, 80, . | 1.2 | 22 |
| 81 | Ecosystem engineering, environmental decay and environmental states of landscapes. Oikos, 2013, 122, 591-600. | 2.7 | 22 |
| 82 | Do we need a new hypothesis to explain plant VOC emissions?. Trends in Plant Science, 2006, 11, 112-113. | 8.8 | 21 |
| 83 | Secondary metabolism and the risks of GMOs. Nature, 1999, 400, 13-14. | 27.8 | 20 |
| 84 | The third party. Journal of Vegetation Science, 2007, 18, 771-776. | 2.2 | 19 |
| 85 | PHYSIOLOGICAL AND DEVELOPMENTAL EFFECTS OF O3ON COTTONWOOD GROWTH IN URBAN AND RURAL SITES. , 2006, 16, 2368-2381. | | 18 |
| 86 | An Explanation of Secondary Product â€œRedundancyâ€• , 1996, , 295-312. | | 18 |
| 87 | Quantifying a dynamic risk landscape: heterogeneous predator activity and implications for prey persistence. Ecology, 2009, 90, 240-251. | 3.2 | 17 |
| 88 | Interactions between an acute ozone dose, eastern cottonwood, and Marssonina leaf spot: implications for pathogen community dynamics. Canadian Journal of Botany, 1988, 66, 863-868. | 1.1 | 16 |
| 89 | SPATIAL SELECTION AND INHERITANCE: APPLYING EVOLUTIONARY CONCEPTS TO POPULATION DYNAMICS IN HETEROGENEOUS SPACE. Ecology, 2007, 88, 1112-1118. | 3.2 | 16 |
| 90 | PATTERN AND PROCESS IN INSECT FEEDING BEHAVIOUR: A QUANTITATIVE ANALYSIS OF THE MEXICAN BEAN BEETLE, EPILACHNA VARIVESTIS. Entomologia Experimentalis Et Applicata, 1981, 30, 254-264. | 1.4 | 15 |

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| 91 | Caterpillar guts and ammonia volatilization: retention of nitrogen by gypsy moth larvae consuming oak foliage. Oecologia, 1998, 117, 513-516. | 2.0 | 15 |
| 92 | The fraction of expanding to expanded leaves determines the biomass response of Populus to elevated CO 2. Oecologia, 1999, 121, 193-200. | 2.0 | 15 |
| 93 | Measuring herbivory. Ecological Entomology, 1989, 14, 479-481. | 2.2 | 14 |
| 94 | LIMITED DISPERSAL AND HETEROGENEOUS PREDATION RISK SYNERGISTICALLY ENHANCE PERSISTENCE OF RARE PREY. Ecology, 2005, 86, 3139-3148. | 3.2 | 14 |
| 95 | A competitive coexistence principle?. Oikos, 2009, 118, 1570-1578. | 2.7 | 14 |
| 96 | Chrysomela scripta,Plagiodera versicolora(Coleoptera: Chrysomelidae), andTrichoplusia ni(Lepidoptera: Noctuidae) Track Specific Leaf Developmental Stages. Environmental Entomology, 2002, 31, 836-843. | 1.4 | 13 |
| 97 | Baldcypress allelochemics and the inhibition of silkworm enteric microorganisms Some Ecological Considerations. Journal of Chemical Ecology, 1981, 7, 103-114. | 1.8 | 12 |
| 98 | Plants may talk, but can they hear?. Trends in Ecology and Evolution, 1995, 10, 371. | 8.7 | 12 |
| 99 | Integrative ecology and the dynamics of species in oak forests. Integrative Biology: Issues, News, and Reviews, 1998, 1, 178-186. | 0.5 | 11 |
| 100 | Diet Breadth and Insect Chemical Defenses: A Generalist Grasshopper and General Hypotheses. , 1988, , 477-512. | | 11 |
| 101 | Crab Burrowing Limits Surface Litter Accumulation in a Temperate Salt Marsh: Implications for Ecosystem Functioning and Connectivity. Ecosystems, 2018, 21, 1000-1012. | 3.4 | 10 |
| 102 | Prey-specific attack behaviour in the southern grasshopper mouse, Onychomys torridus (Coues). Animal Behaviour, 1986, 34, 295-297. | 1.9 | 9 |
| 103 | Olfactorily mediated attack suppression in the southern grasshopper mouse toward an unpalatable prey. Behavioural Processes, 1986, 13, 77-83. | 1.1 | 9 |
| 104 | Field Estimation of Fecundity of Gypsy Moth (Lepidoptera: Lymantriidae). Environmental Entomology, 1987, 16, 165-167. | 1.4 | 9 |
| 105 | 2-Furaldehyde from baldcypress. Journal of Chemical Ecology, 1981, 7, 89-101. | 1.8 | 8 |
| 106 | Ecological engineering: From concepts to applications. Ecological Engineering, 2012, 45, 1-4. | 3.6 | 8 |
| 107 | Effects of ozone on interactions between plants, consumers and decomposers. , 1994, , 339-364. | | 8 |
| 108 | Avenues of discovery in bioprospecting. Nature, 1998, 393, 617-617. | 27.8 | 6 |

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| 109 | What is chemical ecology?. Journal of Chemical Ecology, 1988, 14, 727-730. | 1.8 | 5 |
| 110 | Estimating Gypsy Moth (Lepidoptera: Lymantriidae) Fecundity in the Field: Comparison of Data from North America and Sardinia, Italy. Environmental Entomology, 1990, 19, 108-110. | 1.4 | 5 |
| 111 | Mast seeding and Lyme disease. Trends in Ecology and Evolution, 1998, 13, 506. | 8.7 | 5 |
| 112 | Comparative Predation on Naturally Occurring Gypsy Moth (Lepidoptera: Lymantriidae) Pupae and Deployed Freeze-Dried Pupae: Table 1.. Environmental Entomology, 2006, 35, 293-296. | 1.4 | 5 |
| 113 | Density-Dependent Positive Feedbacks between Consumers and Their Resources. , 1991, , 331-340. | | 5 |
| 114 | Chemistry and possible roles of cuticular alcohols of the larval atlas moth. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1982, 73, 797-801. | 0.2 | 2 |
| 115 | Estimating Field Hatch of Gypsy Moth (Lepidoptera: Lymantriidae). Environmental Entomology, 1992, 21, 276-280. | 1.4 | 2 |
| 116 | Integrative ecology and the dynamics of species in oak forests. Integrative Biology: Issues, News, and Reviews, 1998, 1, 178-186. | 0.5 | 2 |
| 117 | Is sequestration structure-specific in the milkweed bug, Oncopeltus fasciatus?. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1983, 76, 283-284. | 0.2 | 1 |
| 118 | A Correction to "Of Mice and Mast". BioScience, 1996, 46, 565-565. | 4.9 | 1 |
| 119 | The evolution of plant biochemistry and the implications for physiology. , 2004, , 67-83. | | 1 |
| 120 | Acid Rain Report. Science, 1988, 239, 128-128. | 12.6 | 0 |
| 121 | Natural Products â€" A Simple Model to Explain Chemical Diversity. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 122 | Controls on Ecosystem Structure and Function. , 2013, , 215-230. | | 0 |
| 123 | Controls on Ecosystem Structure and Function. , 2021, , 249-264. | | 0 |