

# Alastair Grant

## List of Publications by Year in descending order

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90  
papers

7,659  
citations

101543

36  
h-index

54911

84  
g-index

101  
all docs

101  
docs citations

101  
times ranked

9335  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Manipulating saltmarsh microtopography modulates the effects of elevation on sediment redox potential and halophyte distribution. <i>Journal of Ecology</i> , 2020, 108, 94-106.   | 4.0  | 19        |
| 2  | Diet composition of starry smoothhound <i>Mustelus asterias</i> and methodological considerations for assessing the trophic level of predatory fish. <i>Journal of Fish Biology</i> , 2020, 96, 590-600.   | 1.6  | 5         |
| 3  | Can we project changes in fish abundance and distribution in response to climate?. <i>Global Change Biology</i> , 2020, 26, 3891-3905.   | 9.5  | 25        |
| 4  | Cataloging Cowries: A Standardized Strategy to Record Six Key Species of Cowrie Shell from the West African Archaeological Record. <i>African Archaeological Review</i> , 2019, 36, 479-504.   | 1.4  | 6         |
| 5  | Is saltmarsh restoration success constrained by matching natural environments or altered succession? A test using niche models. <i>Journal of Applied Ecology</i> , 2018, 55, 1207-1217.   | 4.0  | 20        |
| 6  | Phytochromes function as thermosensors in <i>Arabidopsis</i> . <i>Science</i> , 2016, 354, 886-889.  | 12.6 | 694       |
| 7  | Seasonal shift in timing of vernalization as an adaptation to extreme winter. <i>ELife</i> , 2015, 4, .  | 6.0  | 70        |
| 8  | n-Alkane biosynthetic hydrogen isotope fractionation is not constant throughout the growing season in the riparian tree <i>Salix viminalis</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2015, 165, 75-85.  | 3.9  | 68        |
| 9  | ELF3 Controls Thermoresponsive Growth in <i>Arabidopsis</i> . <i>Current Biology</i> , 2015, 25, 194-199.  | 3.9  | 225       |
| 10 | Stability and succession of the rhizosphere microbiota depends upon plant type and soil composition. <i>ISME Journal</i> , 2015, 9, 2349-2359.   | 9.8  | 302       |
| 11 | Limited Vegetation Development on a Created Salt Marsh Associated with Over-Consolidated Sediments and Lack of Topographic Heterogeneity. <i>Estuaries and Coasts</i> , 2015, 38, 325-336.   | 2.2  | 39        |
| 12 | The short-term impacts of implementing catch quotas and a discard ban on English North Sea otter trawlers. <i>ICES Journal of Marine Science</i> , 2014, 71, 1266-1276.  | 2.5  | 24        |
| 13 | Incentivising selective fishing under a policy to ban discards; lessons from European and global fisheries. <i>Marine Policy</i> , 2014, 45, 287-292.  | 3.2  | 80        |
| 14 | Differential responses of sexual and asexual <i>Artemia</i> to genotoxicity by a reference mutagen: Is the comet assay a reliable predictor of population level responses?. <i>Ecotoxicology and Environmental Safety</i> , 2013, 91, 110-116.                         | 6.0  | 9         |
| 15 | Comparative metatranscriptomics reveals kingdom level changes in the rhizosphere microbiome of plants. <i>ISME Journal</i> , 2013, 7, 2248-2258.   | 9.8  | 468       |
| 16 | Does banning discards in an otter trawler fishery create incentives for more selective fishing?. <i>Fisheries Research</i> , 2013, 148, 137-146.   | 1.7  | 28        |
| 17 | Multigenerational demographic responses of sexual and asexual <i>Artemia</i> to chronic genotoxicity by a reference mutagen. <i>Aquatic Toxicology</i> , 2013, 144-145, 66-74.   | 4.0  | 13        |
| 18 | Effects of genotoxicity and its consequences at the population level in sexual and asexual <i>Artemia</i> assessed by analysis of inter-simple sequence repeats (ISSR). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 757, 8-14. | 1.7  | 18        |

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|----|--|-----|-----------|
| 19 | Modelling the effects of climate change on the distribution and production of marine fishes: accounting for trophic interactions in a dynamic bioclimate envelope model. <i>Global Change Biology</i> , 2013, 19, 2596-2607. | 9.5 | 106       |
| 20 | Translocation of Wild <i>Trochus niloticus</i> : Prospects for Enhancing Depleted Philippine Reefs. <i>Reviews in Fisheries Science</i> , 2013, 21, 403-413.   | 2.1 | 4         |
| 21 | Indoor and Deep Sub-Tidal Intermediate Culture of <i>Trochus niloticus</i> for Restocking. <i>Reviews in Fisheries Science</i> , 2013, 21, 414-423.  | 2.1 | 5         |
| 22 | Does managed coastal realignment create saltmarshes with "equivalent biological characteristics" to natural reference sites?. <i>Journal of Applied Ecology</i> , 2012, 49, 1446-1456.                                       | 4.0 | 136       |
| 23 | Constraints on Salt Marsh Development Following Managed Coastal Realignment: Dispersal Limitation or Environmental Tolerance?. <i>Restoration Ecology</i> , 2012, 20, 65-75.   | 2.9 | 49        |
| 24 | Colonization of a newly developing salt marsh: disentangling independent effects of elevation and redox potential on halophytes. <i>Journal of Ecology</i> , 2011, 99, 1350-1357.  | 4.0 | 128       |
| 25 | Quantifying local variation in tidal regime using depth-logging fish tags. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 96, 122-122.  | 2.1 | 3         |
| 26 | An assessment of the potential of the microbial assay for risk assessment (MARA) for ecotoxicological testing. <i>Ecotoxicology</i> , 2010, 19, 1626-1633.   | 2.4 | 20        |
| 27 | Discard mitigation increases skate survival in the Bristol Channel. <i>Fisheries Research</i> , 2010, 102, 9-15.   | 1.7 | 22        |
| 28 | Hawksbill turtle monitoring in Cousin Island Special Reserve, Seychelles: an eight-fold increase in annual nesting numbers. <i>Endangered Species Research</i> , 2010, 11, 195-200.  | 2.4 | 30        |
| 29 | Compatibility of hydroxypropyl- $\beta$ -cyclodextrin with algal toxicity bioassays. <i>Environmental Pollution</i> , 2009, 157, 135-140.  | 7.5 | 14        |
| 30 | Discarding in the North Sea and on the historical efficacy of gear-based technical measures in reducing discards. <i>Fisheries Research</i> , 2009, 95, 40-46.   | 1.7 | 35        |
| 31 | The survival of skates (Rajidae) caught by demersal trawlers fishing in UK waters. <i>Fisheries Research</i> , 2009, 97, 72-76.  | 1.7 | 64        |
| 32 | Reducing the discards of finfish and benthic invertebrates of UK beam trawlers. <i>Fisheries Research</i> , 2009, 97, 140-147.   | 1.7 | 9         |
| 33 | A rapid resazurin bioassay for assessing the toxicity of fungicides. <i>Chemosphere</i> , 2009, 74, 1165-1170.   | 8.2 | 50        |
| 34 | A comparative study of <i>Saccharomyces cerevisiae</i> sensitivity against eight yeast species sensitivities to a range of toxicants. <i>Chemosphere</i> , 2009, 75, 289-296.  | 8.2 | 22        |
| 35 | Can land crabs be used as a rapid ecosystem evaluation tool? A test using distribution and abundance of several genera from the Seychelles. <i>Acta Oecologica</i> , 2009, 35, 711-719.                                      | 1.1 | 10        |
| 36 | Toxicity of Polycyclic Aromatic Hydrocarbons to the Nematode <i>Caenorhabditis elegans</i> . <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 1168-1180.                           | 2.3 | 51        |

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|----|---|------|-----------|
| 37 | Linking pollution induced community tolerance (PICT) and microbial community structure in chronically metal polluted estuarine sediments. <i>Marine Environmental Research</i> , 2008, 65, 187-198. | 2.5  | 46        |
| 38 | Joint effects of density dependence and toxicant exposure on <i>Drosophila melanogaster</i> populations. <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 236-243.                         | 6.0  | 15        |
| 39 | Discarding in the English Channel, Western approaches, Celtic and Irish seas (ICES subarea VII). <i>Fisheries Research</i> , 2007, 86, 143-152.   | 1.7  | 35        |
| 40 | CHLOROPHYLL a FLUORESCENCE AS A BIOMARKER FOR RAPID TOXICITY ASSESSMENT. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1520.  | 4.3  | 107       |
| 41 | Life history correlates of density-dependent recruitment in marine fishes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2006, 63, 494-509.   | 1.4  | 132       |
| 42 | HYDROBIA ULVAE FEEDING RATES: A NOVEL WAY TO ASSESS SEDIMENT TOXICITY. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 3246.  | 4.3  | 23        |
| 43 | RNA/DNA RATIOS AS A SUBLETHAL ENDPOINT FOR LARGE-SCALE TOXICITY TESTS WITH THE NEMATODE CAENORHABDITIS ELEGANS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1155.                     | 4.3  | 19        |
| 44 | Comparison of threat and exploitation status in North-East Atlantic marine populations. <i>Journal of Applied Ecology</i> , 2005, 42, 883-891.  | 4.0  | 84        |
| 45 | Ecotypic differentiation and phenotypic plasticity in reproductive traits of <i>Armadillidium vulgare</i> (Isopoda: Oniscidea). <i>Oecologia</i> , 2005, 143, 51-60.                                | 2.0  | 29        |
| 46 | HURRICANES AND CARIBBEAN CORAL REEFS: IMPACTS, RECOVERY PATTERNS, AND ROLE IN LONG-TERM DECLINE. <i>Ecology</i> , 2005, 86, 174-184.  | 3.2  | 311       |
| 47 | Visibility of the impact of environmental noise: a response to Kaitala and Ranta. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1119-1124.                            | 2.6  | 21        |
| 48 | Methods of assessing extinction risk in marine fishes. <i>Fish and Fisheries</i> , 2004, 5, 255-276.  | 5.3  | 200       |
| 49 | Name that microbe: rapid identification of taxa responsible for individual fragments in fingerprints of microbial community structure. <i>Molecular Ecology Notes</i> , 2004, 4, 133-136.           | 1.7  | 18        |
| 50 | Managed realignment in the UK - the first 5 years of colonization by birds. <i>Ibis</i> , 2004, 146, 101-110.   | 1.9  | 32        |
| 51 | Population responses to perturbations: predictions and responses from laboratory mite populations. <i>Journal of Animal Ecology</i> , 2004, 73, 983-995.  | 2.8  | 29        |
| 52 | Density-dependent populations require density-dependent elasticity analysis: an illustration using the LPA model of <i>Tribolium</i> . <i>Journal of Animal Ecology</i> , 2003, 72, 94-105.         | 2.8  | 32        |
| 53 | Long-Term Region-Wide Declines in Caribbean Corals. <i>Science</i> , 2003, 301, 958-960.  | 12.6 | 1,747     |
| 54 | Can turbidity caused by <i>Corophium volutator</i> (Pallas) activity be used to assess sediment toxicity rapidly?. <i>Marine Environmental Research</i> , 2003, 55, 181-192.                        | 2.5  | 16        |

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|----|---|-----|-----------|
| 55 | Terminal Restriction Fragment Length Polymorphism Data Analysis. Applied and Environmental Microbiology, 2003, 69, 6342-6343.   | 3.1 | 30        |
| 56 | Pollution-Tolerant Species and Communities: Intriguing Toys or Invaluable Monitoring Tools?. Human and Ecological Risk Assessment (HERA), 2002, 8, 955-970.   | 3.4 | 20        |
| 57 | Toxicity of sediments from around a North Sea oil platform: are metals or hydrocarbons responsible for ecological impacts?. Marine Environmental Research, 2002, 53, 95-116.  | 2.5 | 102       |
| 58 | ELASTICITY ANALYSIS FOR DENSITY-DEPENDENT POPULATIONS IN STOCHASTIC ENVIRONMENTS. Ecology, 2000, 81, 680-693.   | 3.2 | 131       |
| 59 | Pollution-induced tolerance to copper of nematode communities in the severely contaminated restronguet creek and adjacent estuaries, Cornwall, United Kingdom. Environmental Toxicology and Chemistry, 2000, 19, 454-461. | 4.3 | 64        |
| 60 | Deep-Sea Diversity: Overlooked Messages from Shallow-Water Sediments. Marine Ecology, 2000, 21, 97-112.   | 1.1 | 18        |
| 61 | The role of surface coatings on sediments in sediment:water partitioning of trace elements and radionuclides. Journal of Environmental Radioactivity, 2000, 49, 55-64.  | 1.7 | 14        |
| 62 | A consistent equation for ecological sensitivity in matrix population analysis. Trends in Ecology and Evolution, 2000, 15, 115.   | 8.7 | 10        |
| 63 | Reply from T. Benton and A. Grant. Trends in Ecology and Evolution, 2000, 15, 116.  | 8.7 | 5         |
| 64 | POLLUTION-INDUCED TOLERANCE TO COPPER OF NEMATODE COMMUNITIES IN THE SEVERELY CONTAMINATED RESTRONGUET CREEK AND ADJACENT ESTUARIES, CORNWALL, UNITED KINGDOM. Environmental Toxicology and Chemistry, 2000, 19, 454.     | 4.3 | 3         |
| 65 | Elasticity Analysis for Density-Dependent Populations in Stochastic Environments. Ecology, 2000, 81, 680.   | 3.2 | 8         |
| 66 | Elasticity analysis as an important tool in evolutionary and population ecology. Trends in Ecology and Evolution, 1999, 14, 467-471.  | 8.7 | 255       |
| 67 | OPTIMAL REPRODUCTIVE EFFORT IN STOCHASTIC, DENSITY-DEPENDENT ENVIRONMENTS. Evolution; International Journal of Organic Evolution, 1999, 53, 677-688.  | 2.3 | 50        |
| 68 | Contaminants in Sediments: Using Robust Regression for Grain-Size Normalization. Estuaries and Coasts, 1998, 21, 197.   | 1.7 | 25        |
| 69 | Population consequences of chronic toxicity: incorporating density dependence into the analysis of life table response experiments. Ecological Modelling, 1998, 105, 325-335.   | 2.5 | 71        |
| 70 | Toxicity of ivermectin to estuarine and marine invertebrates. Marine Pollution Bulletin, 1998, 36, 540-541.   | 5.0 | 27        |
| 71 | Use of ivermectin in marine fish farms: Some concerns. Marine Pollution Bulletin, 1998, 36, 566-568.  | 5.0 | 21        |
| 72 | A modelling study of environmental influences on bivalve settlement in The Wash, England. Marine Ecology - Progress Series, 1998, 172, 197-214.   | 1.9 | 36        |

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|----|--|-----|-----------|
| 73 | Marine Benthic Vegetation: Recent Changes and the Effects of Eutrophication.. Journal of Applied Ecology, 1997, 34, 833.   | 4.0 | 40        |
| 74 | Structured-Population Models in Marine, Terrestrial and Freshwater Systems.. Journal of Applied Ecology, 1997, 34, 1324.   | 4.0 | 0         |
| 75 | Selection pressures on vital rates in densityâ€“dependent populations. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 303-306.  | 2.6 | 35        |
| 76 | The Impact of Environmental Variation on Demographic Convergence of Leslie Matrix Population Models: An Assessment Using Lyapunov Characteristic Exponents. Theoretical Population Biology, 1996, 50, 18-30.         | 1.1 | 9         |
| 77 | How to Keep Fit in the Real World: Elasticity Analyses and Selection Pressures on Life Histories in a Variable Environment. American Naturalist, 1996, 147, 115-139.   | 2.1 | 146       |
| 78 | Exxon Valdez Oil Spill: Fate and Effects in Alaskan Waters.. Journal of Applied Ecology, 1996, 33, 1229.   | 4.0 | 0         |
| 79 | A statistical study of environmental influences on bivalve recruitment in the Wash, England. Marine Ecology - Progress Series, 1996, 143, 121-129.   | 1.9 | 36        |
| 80 | Does environmental stochasticity matter? Analysis of red deer life-histories on Rum. Evolutionary Ecology, 1995, 9, 559-574.   | 1.2 | 96        |
| 81 | Assessing the impact of copper on nematode communities from a chronically metal-enriched estuary using pollution-induced community tolerance. Marine Pollution Bulletin, 1995, 30, 701-706.                          | 5.0 | 92        |
| 82 | Assessment of the phase selectivity of the European Community Bureau of Reference (BCR) sequential extraction procedure for metals in sediment. Analytica Chimica Acta, 1994, 291, 287-295.                          | 5.4 | 141       |
| 83 | Trace metals in sediments from the humber estuary: A statistical analysis of spatial uniformity. Netherlands Journal of Aquatic Ecology, 1993, 27, 111-120.  | 0.3 | 21        |
| 84 | An Alternative Theory of Grasshopper Life Cycles. Oikos, 1993, 66, 263.  | 2.7 | 19        |
| 85 | Morphological and other evidence on the degree of genetic differentiation between populations of <i>Nereis diversicolor</i> . Journal of the Marine Biological Association of the United Kingdom, 1992, 72, 365-381. | 0.8 | 25        |
| 86 | An assessment of metal contamination of sediments in the humber estuary, U.K.. Estuarine, Coastal and Shelf Science, 1990, 31, 71-85.  | 2.1 | 155       |
| 87 | Multivariate statistical analyses of sediment geochemistry. Marine Pollution Bulletin, 1990, 21, 297-299.  | 5.0 | 25        |
| 88 | The reproductive cycle of <i>platynereis dumerilii</i> (audouin & milneedwards) (polychaeta: nereidae) from the firth of clyde. Sarsia, 1989, 74, 79-84.   | 0.5 | 7         |
| 89 | Mapping the ecological impact of heavy metals on the estuarine polychaete <i>Nereis diversicolor</i> using inherited metal tolerance. Marine Pollution Bulletin, 1989, 20, 235-238.                                  | 5.0 | 99        |
| 90 | Detecting ecological effects of pollutants in the aquatic environment. , 0, , 147-161.   |     | 1         |