

Alistair B A Boxall

List of Publications by Citations

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63

papers

7,219

citations

29

h-index

66

g-index

66

ext. papers

8,395

ext. citations

6.4

avg, IF

6.1

L-index

| # | Paper | IF | Citations |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 63 | A global perspective on the use, sales, exposure pathways, occurrence, fate and effects of veterinary antibiotics (VAs) in the environment. <i>Chemosphere</i> , 2006 , 65, 725-59 | 8.4 | 2189 |
| 62 | Pharmaceuticals and personal care products in the environment: what are the big questions?. <i>Environmental Health Perspectives</i> , 2012 , 120, 1221-9 | 8.4 | 830 |
| 61 | The role of the natural environment in the emergence of antibiotic resistance in gram-negative bacteria. <i>Lancet Infectious Diseases</i> , 2013 , 13, 155-65 | 25.5 | 673 |
| 60 | Are veterinary medicines causing environmental risks?. <i>Environmental Science & Technology</i> , 2003 , 37, 286A-294A | 10.3 | 585 |
| 59 | The sorption and transport of a sulphonamide antibiotic in soil systems. <i>Toxicology Letters</i> , 2002 , 131, 19-28 | 4.4 | 359 |
| 58 | Microplastics in the aquatic environment: Evidence for or against adverse impacts and major knowledge gaps. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2776-2796 | 3.8 | 267 |
| 57 | When synthetic chemicals degrade in the environment. <i>Environmental Science & Technology</i> , 2004 , 38, 368A-375A | 10.3 | 224 |
| 56 | Nanopesticides: guiding principles for regulatory evaluation of environmental risks. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 4227-40 | 5.7 | 210 |
| 55 | Runoff of pharmaceuticals and personal care products following application of biosolids to an agricultural field. <i>Science of the Total Environment</i> , 2008 , 396, 52-9 | 10.2 | 170 |
| 54 | Ultrasonic extraction of veterinary antibiotics from soils and pig slurry with SPE clean-up and LC-UV and fluorescence detection. <i>Talanta</i> , 2004 , 64, 1058-64 | 6.2 | 145 |
| 53 | Uptake and depuration of pharmaceuticals in aquatic invertebrates. <i>Environmental Pollution</i> , 2012 , 165, 250-8 | 9.3 | 137 |
| 52 | Factors affecting the degradation of pharmaceuticals in agricultural soils. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2546-54 | 3.8 | 134 |
| 51 | Potential ecological footprints of active pharmaceutical ingredients: an examination of risk factors in low-, middle- and high-income countries. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, | 5.8 | 98 |
| 50 | Temporal and spatial variation in pharmaceutical concentrations in an urban river system. <i>Water Research</i> , 2018 , 137, 72-85 | 12.5 | 87 |
| 49 | International scientists' priorities for research on pharmaceutical and personal care products in the environment. <i>Integrated Environmental Assessment and Management</i> , 2014 , 10, 576-87 | 2.5 | 76 |
| 48 | Toxicological and ecotoxicological risk-based prioritization of pharmaceuticals in the natural environment. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1550-9 | 3.8 | 71 |
| 47 | Toward sustainable environmental quality: Priority research questions for Europe. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2281-2295 | 3.8 | 68 |

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| 46 | Fate and uptake of pharmaceuticals in soil-earthworm systems. <i>Environmental Science & Technology</i> , 2014 , 48, 5955-63 | 10.3 | 64 |
| 45 | Effects of environmental conditions on latex degradation in aquatic systems. <i>Science of the Total Environment</i> , 2013 , 447, 225-34 | 10.2 | 62 |
| 44 | Toward sustainable environmental quality: Identifying priority research questions for Latin America. <i>Integrated Environmental Assessment and Management</i> , 2018 , 14, 344-357 | 2.5 | 52 |
| 43 | Impacts of compound properties and sediment characteristics on the sorption behaviour of pharmaceuticals in aquatic systems. <i>Journal of Hazardous Materials</i> , 2016 , 317, 198-209 | 12.8 | 48 |
| 42 | Do Pharmaceuticals Pose a Threat to Primary Producers?. <i>Critical Reviews in Environmental Science and Technology</i> , 2015 , 45, 2565-2610 | 11.1 | 41 |
| 41 | Effects of Antibiotics on the Growth and Physiology of Chlorophytes, Cyanobacteria, and a Diatom. <i>Archives of Environmental Contamination and Toxicology</i> , 2016 , 71, 589-602 | 3.2 | 37 |
| 40 | Pharmaceutical pollution of the world's rivers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, | 11.5 | 37 |
| 39 | Risk-based prioritization of pharmaceuticals in the natural environment in Iraq. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15712-26 | 5.1 | 32 |
| 38 | Comparing the sensitivity of chlorophytes, cyanobacteria, and diatoms to major-use antibiotics. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2587-2596 | 3.8 | 31 |
| 37 | Application of prioritization approaches to optimize environmental monitoring and testing of pharmaceuticals. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018 , 21, 115-141 | 8.6 | 30 |
| 36 | Toward Sustainable Environmental Quality: Priority Research Questions for North America. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 1606-1624 | 3.8 | 29 |
| 35 | Effects of soil properties on the uptake of pharmaceuticals into earthworms. <i>Environmental Pollution</i> , 2016 , 213, 922-931 | 9.3 | 29 |
| 34 | Novel Approach for Characterizing pH-Dependent Uptake of Ionizable Chemicals in Aquatic Organisms. <i>Environmental Science & Technology</i> , 2017 , 51, 6965-6971 | 10.3 | 28 |
| 33 | Emerging investigator series: towards a framework for establishing the impacts of pharmaceuticals in wastewater irrigation systems on agro-ecosystems and human health. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 605-622 | 4.3 | 28 |
| 32 | A High-Resolution Spatial Model to Predict Exposure to Pharmaceuticals in European Surface Waters: ePiE. <i>Environmental Science & Technology</i> , 2018 , 52, 12494-12503 | 10.3 | 26 |
| 31 | Routes of uptake of diclofenac, fluoxetine, and triclosan into sediment-dwelling worms. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 836-42 | 3.8 | 25 |
| 30 | Are exposure predictions, used for the prioritization of pharmaceuticals in the environment, fit for purpose?. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 2823-2832 | 3.8 | 24 |
| 29 | Fate, uptake, and distribution of nanoencapsulated pesticides in soil-earthworm systems and implications for environmental risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 1420-1429 | 3.8 | 23 |

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| 28 | Toward Sustainable Environmental Quality: Priority Research Questions for Asia. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 1485-1505 | 3.8 | 21 |
| 27 | Characterization of the Nairobi River catchment impact zone and occurrence of pharmaceuticals: Implications for an impact zone inclusive environmental risk assessment. <i>Science of the Total Environment</i> , 2020 , 703, 134925 | 10.2 | 20 |
| 26 | A Novel Method to Characterise Levels of Pharmaceutical Pollution in Large-Scale Aquatic Monitoring Campaigns. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1368 | 2.6 | 19 |
| 25 | Emission and fate modelling framework for engineered nanoparticles in urban aquatic systems at high spatial and temporal resolution. <i>Environmental Science: Nano</i> , 2018 , 5, 533-543 | 7.1 | 18 |
| 24 | Do particle size and surface functionality affect uptake and depuration of gold nanoparticles by aquatic invertebrates?. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 850-9 | 3.8 | 14 |
| 23 | Interspecies variation in the risks of metals to bats. <i>Environmental Pollution</i> , 2015 , 206, 209-16 | 9.3 | 12 |
| 22 | Does Uptake of Pharmaceuticals Vary Across Earthworm Species?. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016 , 97, 316-22 | 2.7 | 12 |
| 21 | Determination of pharmaceuticals in freshwater sediments using ultrasonic-assisted extraction with SPE clean-up and HPLC-DAD or LC-ESI-MS/MS detection. <i>Analytical Methods</i> , 2017 , 9, 4190-4200 | 3.2 | 12 |
| 20 | Minimised bioconcentration tests: a useful tool for assessing chemical uptake into terrestrial and aquatic invertebrates?. <i>Environmental Science & Technology</i> , 2014 , 48, 13497-503 | 10.3 | 12 |
| 19 | Towards Sustainable Environmental Quality: Priority Research Questions for the Australasian Region of Oceania. <i>Integrated Environmental Assessment and Management</i> , 2019 , 15, 917-935 | 2.5 | 11 |
| 18 | Environmental fate of processed natural rubber latex. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 1359-68 | 4.3 | 11 |
| 17 | Evaluation and development of models for estimating the sorption behaviour of pharmaceuticals in soils. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122469 | 12.8 | 10 |
| 16 | Prioritization of pharmaceuticals based on risks to aquatic environments in Kazakhstan. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 832-839 | 2.5 | 9 |
| 15 | Factors affecting the dissipation of pharmaceuticals in freshwater sediments. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 829-838 | 3.8 | 9 |
| 14 | High Concentrations of Pharmaceuticals in a Nigerian River Catchment. <i>Environmental Toxicology and Chemistry</i> , 2020 , | 3.8 | 8 |
| 13 | An in vitro method for determining the bioaccessibility of pharmaceuticals in wildlife. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 2349-57 | 3.8 | 7 |
| 12 | Ecological Risk Dynamics of Pharmaceuticals in Micro-Estuary Environments. <i>Environmental Science & Technology</i> , 2020 , 54, 11182-11190 | 10.3 | 6 |
| 11 | Environmental Fate of Human Pharmaceuticals. <i>Emerging Topics in Ecotoxicology</i> , 2012 , 63-83 | | 5 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 10 | Environmental pollution from pet parasiticides. <i>Veterinary Record</i> , 2020 , 186, 97 | 0.9 | 5 |
| 9 | Use of a large dataset to develop new models for estimating the sorption of active pharmaceutical ingredients in soils and sediments. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125688 | 12.8 | 4 |
| 8 | Evaluation of Existing Models to Estimate Sorption Coefficients for Ionisable Pharmaceuticals in Soils and Sludge. <i>Toxics</i> , 2020 , 8, | 4.7 | 3 |
| 7 | Do natural rubber latex condoms pose a risk to aquatic systems?. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 2312-20 | 4.3 | 3 |
| 6 | The Impacts of Pollution for New High-Speed Railways: the Case of Noise in Turkey. <i>Acoustics Australia</i> , 2019 , 47, 141-151 | 1.4 | 2 |
| 5 | One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste.. <i>Environmental Sciences Europe</i> , 2022 , 34, 21 | 5 | 2 |
| 4 | Three methods for integration of environmental risk into the benefit-risk assessment of veterinary medicinal products. <i>Science of the Total Environment</i> , 2017 , 605-606, 692-701 | 10.2 | 1 |
| 3 | Pharmaceuticals in the Environment and Human Health 2018 , 123-136 | | 1 |
| 2 | TOWARDS A FRAMEWORK FOR ENVIRONMENTAL FATE AND EXPOSURE ASSESSMENT OF POLYMERS.. <i>Environmental Toxicology and Chemistry</i> , 2021 , | 3.8 | 1 |
| 1 | Interactions Between Plastic, Microbial Biofilms and <i>Gammarus pulex</i> : An Initial Investigation.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022 , 108, 609 | 2.7 | 0 |