

Andy M Booth

List of Publications by Year in descending order

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81
papers

3,877
citations

109321
35
h-index

133252
59
g-index

81
all docs

81
docs citations

81
times ranked

4098
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical composition and ecotoxicity of plastic and car tire rubber leachates to aquatic organisms. <i>Water Research</i> , 2020, 169, 115270.	11.3	314
2	Reporting Guidelines to Increase the Reproducibility and Comparability of Research on Microplastics. <i>Applied Spectroscopy</i> , 2020, 74, 1066-1077.	2.2	196
3	Biodegradability of Plastics: Challenges and Misconceptions. <i>Environmental Science & Technology</i> , 2017, 51, 12058-12060.	10.0	194
4	Sorption of PAHs to microplastic and their bioavailability and toxicity to marine copepods under co-exposure conditions. <i>Environmental Pollution</i> , 2020, 258, 113844.	7.5	179
5	Effects of Nylon Microplastic on Feeding, Lipid Accumulation, and Moulting in a Coldwater Copepod. <i>Environmental Science & Technology</i> , 2019, 53, 7075-7082.	10.0	151
6	Microplastic fibres from synthetic textiles: Environmental degradation and additive chemical content. <i>Environmental Pollution</i> , 2021, 268, 115745.	7.5	144
7	UV degradation of natural and synthetic microfibers causes fragmentation and release of polymer degradation products and chemical additives. <i>Science of the Total Environment</i> , 2021, 755, 143170.	8.0	125
8	Between source and sea: The role of wastewater treatment in reducing marine microplastics. <i>Journal of Environmental Management</i> , 2020, 266, 110642.	7.8	122
9	Microplastic distributions in a domestic wastewater treatment plant: Removal efficiency, seasonal variation and influence of sampling technique. <i>Science of the Total Environment</i> , 2021, 752, 141880.	8.0	115
10	Unresolved Complex Mixtures of Aromatic Hydrocarbons: Thousands of Overlooked Persistent, Bioaccumulative, and Toxic Contaminants in Mussels. <i>Environmental Science & Technology</i> , 2007, 41, 457-464.	10.0	112
11	Profiling microplastics in the Indian edible oyster, <i>Magallana bilineata</i> collected from the Tuticorin coast, Gulf of Mannar, Southeastern India. <i>Science of the Total Environment</i> , 2019, 691, 727-735.	8.0	108
12	Uptake and toxicity of methacrylate-based nanoplastic particles in aquatic organisms. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1641-1649.	4.3	101
13	Effects of molecular weight-dependent physicochemical heterogeneity of natural organic matter on the aggregation of fullerene nanoparticles in mono- and di-valent electrolyte solutions. <i>Water Research</i> , 2015, 71, 11-20.	11.3	94
14	Microplastic and heavy metal distributions in an Indian coral reef ecosystem. <i>Science of the Total Environment</i> , 2020, 744, 140706.	8.0	90
15	Chemical and toxicological characterization of an unresolved complex mixture-rich biodegraded crude oil. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1815-1824.	4.3	84
16	Marine microplastic: Preparation of relevant test materials for laboratory assessment of ecosystem impacts. <i>Chemosphere</i> , 2018, 213, 103-113.	8.2	77
17	Carbon Nanotube Properties Influence Adsorption of Phenanthrene and Subsequent Bioavailability and Toxicity to <i>Pseudokirchneriella subcapitata</i> . <i>Environmental Science & Technology</i> , 2016, 50, 2660-2668.	10.0	76
18	Car Tire Crumb Rubber: Does Leaching Produce a Toxic Chemical Cocktail in Coastal Marine Systems?. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	76

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19	Gene Expression of GST and CYP330A1 in Lipid-Rich and Lipid-Poor Female <i>Calanus finmarchicus</i> (Copepoda: Crustacea) Exposed to Dispersed Oil. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2009, 72, 131-139.	2.3	69
20	Microplastic in wild populations of the omnivorous crab <i>Carcinus aestuarii</i> : A review and a regional-scale test of extraction methods, including microfibrils. Environmental Pollution, 2019, 251, 117-127.	7.5	63
21	Emissions from Postcombustion CO ₂ Capture Plants. Environmental Science & Technology, 2013, 47, 659-660.	10.0	59
22	Biokinetics of nanomaterials: The role of biopersistence. NanoImpact, 2017, 6, 69-80.	4.5	58
23	Freshwater dispersion stability of PAA-stabilised cerium oxide nanoparticles and toxicity towards <i>Pseudokirchneriella subcapitata</i> . Science of the Total Environment, 2015, 505, 596-605.	8.0	57
24	Organic additive release from plastic to seawater is lower under deep-sea conditions. Nature Communications, 2021, 12, 4426.	12.8	55
25	Unresolved Complex Mixtures (UCMs) of Aromatic Hydrocarbons: Branched Alkyl Indanes and Branched Alkyl Tetralins are present in UCMs and accumulated by and toxic to, the mussel <i>Mytilus edulis</i> . Environmental Science & Technology, 2008, 42, 8122-8126.	10.0	54
26	Molecular effects of diethanolamine exposure on <i>Calanus finmarchicus</i> (Crustacea: Copepoda). Aquatic Toxicology, 2010, 99, 212-222.	4.0	51
27	Occurrence, characterisation and fate of (nano)particulate Ti and Ag in two Norwegian wastewater treatment plants. Water Research, 2018, 141, 19-31.	11.3	46
28	The sub-lethal impact of plastic and tire rubber leachates on the Mediterranean mussel <i>Mytilus galloprovincialis</i> . Environmental Pollution, 2021, 283, 117081.	7.5	45
29	Factors influencing the occurrence and distribution of microplastics in coastal sediments: From source to sink. Journal of Hazardous Materials, 2021, 410, 124982.	12.4	44
30	Do different habits affect microplastics contents in organisms? A trait-based analysis on salt marsh species. Marine Pollution Bulletin, 2020, 153, 110983.	5.0	43
31	Oil droplet interaction with suspended sediment in the seawater column: Influence of physical parameters and chemical dispersants. Marine Pollution Bulletin, 2014, 78, 146-152.	5.0	42
32	Transfer of Additive Chemicals From Marine Plastic Debris to the Stomach Oil of Northern Fulmars. Frontiers in Environmental Science, 2020, 8, .	3.3	41
33	Sources, distribution and effects of rare earth elements in the marine environment: Current knowledge and research gaps. Environmental Pollution, 2021, 291, 118230.	7.5	40
34	Secondary PVC microplastics are more toxic than primary PVC microplastics to <i>Oryzias melastigma</i> embryos. Journal of Hazardous Materials, 2022, 424, 127421.	12.4	40
35	Ecotoxicological Effects of Transformed Silver and Titanium Dioxide Nanoparticles in the Effluent from a Lab-Scale Wastewater Treatment System. Environmental Science & Technology, 2018, 52, 9431-9441.	10.0	39
36	Challenges in characterizing the environmental fate and effects of carbon nanotubes and inorganic nanomaterials in aquatic systems. Environmental Science: Nano, 2018, 5, 48-63.	4.3	37

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37	Phenanthrene Bioavailability and Toxicity to <i>Daphnia magna</i> in the Presence of Carbon Nanotubes with Different Physicochemical Properties. Environmental Science & Technology, 2016, 50, 12446-12454.	10.0	36
38	Optimization and comparison of miniaturized extraction techniques for PAHs from crude oil exposed Atlantic cod and haddock eggs. Analytical and Bioanalytical Chemistry, 2016, 408, 1023-1032.	3.7	34
39	Paradigms to assess the human health risks of nano- and microplastics. Microplastics and Nanoplastics, 2021, 1, .	8.8	31
40	Microplastic in the coral reef environments of the Gulf of Mannar, India - Characteristics, distributions, sources and ecological risks. Environmental Pollution, 2022, 298, 118848.	7.5	31
41	Moving forward in microplastic research: A Norwegian perspective. Environment International, 2021, 157, 106794.	10.0	29
42	Photodegradation in natural waters of nitrosamines and nitramines derived from CO ₂ capture plant operation. International Journal of Greenhouse Gas Control, 2015, 32, 106-114.	4.6	28
43	Dispersibility and dispersion stability of carbon nanotubes in synthetic aquatic growth media and natural freshwater. Chemosphere, 2018, 201, 269-277.	8.2	24
44	Alkyl naphthalenes: Priority Pollutants or Minor Contributors to the Poor Health of Marine Mussels?. Environmental Science & Technology, 2011, 45, 6160-6166.	10.0	23
45	Partitioning of PAHs between Crude Oil Microdroplets, Water, and Copepod Biomass in Oil-in-Seawater Dispersions of Different Crude Oils. Environmental Science & Technology, 2018, 52, 14436-14444.	10.0	22
46	Adhesion of mechanically and chemically dispersed crude oil droplets to eggs of Atlantic cod (<i>Gadus morhua</i>). Environmental Pollution, 2010, 138-143.	8.0	22
47	Establishing a link between composition and toxicity of offshore produced waters using comprehensive analysis techniques – A way forward for discharge monitoring?. Science of the Total Environment, 2019, 694, 133682.	8.0	21
48	Emissions from CO ₂ capture plants; an overview. Energy Procedia, 2013, 37, 784-790.	1.8	19
49	Are fluorescence-based chlorophyll quantification methods suitable for algae toxicity assessment of carbon nanomaterials?. Nanotoxicology, 2017, 11, 569-577.	3.0	19
50	Characterisation of fine-grained tailings from a marble processing plant and their acute effects on the copepod <i>Calanus finmarchicus</i> . Chemosphere, 2017, 169, 700-708.	8.2	19
51	Microplastics Pollution in the Marine Environment. , 2019, , 329-351.		16
52	Accelerated Hydrolysis Method for Producing Partially Degraded Polyester Microplastic Fiber Reference Materials. Environmental Science and Technology Letters, 2021, 8, 250-255.	8.7	16
53	Fate, source and mass budget of sedimentary microplastics in the Bohai Sea and the Yellow Sea. Environmental Pollution, 2022, 294, 118640.	7.5	16
54	Current State of Microplastic Pollution Research Data: Trends in Availability and Sources of Open Data. Frontiers in Environmental Science, 2021, 10, .	3.3	16

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55	Chronic sublethal effects associated with branched alkylbenzenes bioaccumulated by mussels. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 561-567.	4.3	15
56	Single-Use Plastic Bans: Exploring Stakeholder Perspectives on Best Practices for Reducing Plastic Pollution. <i>Environments - MDPI</i> , 2021, 8, 81.	3.3	15
57	Influence of Technological Parameters on the Isomerization of Geraniol Using Sepiolite. <i>Catalysis Letters</i> , 2020, 150, 901-911.	2.6	14
58	Computer Analysis of the Effect of Activation Temperature on the Microporous Structure Development of Activated Carbon Derived from Common Polypody. <i>Materials</i> , 2021, 14, 2951.	2.9	14
59	Wastewater-Aged Silver Nanoparticles in Single and Combined Exposures with Titanium Dioxide Affect the Early Development of the Marine Copepod <i>Tisbe battagliai</i> . <i>Environmental Science & Technology</i> , 2020, 54, 12316-12325.	10.0	12
60	Risk perception and risk realities in forming legally binding agreements: The governance of plastics. <i>Environmental Science and Policy</i> , 2022, 134, 67-74.	4.9	12
61	Seawater biodegradation of alkanolamines used for CO ₂ -capture from natural gas. <i>International Journal of Greenhouse Gas Control</i> , 2012, 10, 271-277.	4.6	11
62	Monitoring and modelling of influent patterns, phase distribution and removal of 20 elements in two primary wastewater treatment plants in Norway. <i>Science of the Total Environment</i> , 2020, 725, 138420.	8.0	11
63	Complications with remediation strategies involving the biodegradation and detoxification of recalcitrant contaminant aromatic hydrocarbons. <i>Science of the Total Environment</i> , 2010, 408, 4093-4101.	8.0	10
64	Preliminary Studies into the Environmental Fate of Nitrosamine and Nitramine Compounds in Aquatic Systems. <i>Energy Procedia</i> , 2013, 37, 683-690.	1.8	10
65	Influence of salinity, dissolved organic carbon and particle chemistry on the aggregation behaviour of methacrylate-based polymeric nanoparticles in aqueous environments. <i>International Journal of Environment and Pollution</i> , 2013, 52, 15.	0.2	10
66	Biotransformation in water and soil of nitrosamines and nitramines potentially generated from amine-based CO ₂ capture technology. <i>International Journal of Greenhouse Gas Control</i> , 2018, 70, 157-163.	4.6	10
67	Evaluation of methods to determine adsorption of polycyclic aromatic hydrocarbons to dispersed carbon nanotubes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23015-23025.	5.3	9
68	Microplastics Pollution and Regulation. , 2020, , 1-27.		9
69	Advances in miniaturization and increasing sensitivity in analysis of organic contaminants in marine biota samples. <i>Trends in Environmental Analytical Chemistry</i> , 2015, 6-7, 39-47.	10.3	8
70	Unresolved complex mixtures of aromatic hydrocarbons: thousands of overlooked persistent, bioaccumulative, and toxic contaminants in mussels. <i>Environmental Science & Technology</i> , 2007, 41, 457-64.	10.0	8
71	UV-B radiation enhances the toxicity of TiO ₂ nanoparticles to the marine microalga <i>Chlorella pyrenoidosa</i> by disrupting the protection function of extracellular polymeric substances. <i>Environmental Science: Nano</i> , 2022, 9, 1591-1604.	4.3	7
72	Microplastic Fate and Impacts in the Environment. , 2020, , 1-24.		6

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73	Resistance of toxic alkylcyclohexyltetralins to biodegradation by aerobic bacteria. Organic Geochemistry, 2007, 38, 540-550.	1.8	5
74	Microplastic dispersal behavior in a novel overhead stirring aqueous exposure system. Marine Pollution Bulletin, 2020, 157, 111328.	5.0	5
75	Combined effects of exposure to engineered silver nanoparticles and the water-soluble fraction of crude oil in the marine copepod Calanus finmarchicus. Aquatic Toxicology, 2020, 227, 105582.	4.0	5
76	Co-production of future scenarios of policy action plans in a science-policy-industry interface – The case of microfibre pollution from waste water treatment plants in Norway. Marine Pollution Bulletin, 2021, 173, 113062.	5.0	4
77	Assessing Fuzzy Cognitive Mapping as a participatory and interdisciplinary approach to explore marine microfiber pollution. Marine Pollution Bulletin, 2022, 179, 113713.	5.0	3
78	Quantifying spatial variation in the uptake of microplastic by mussels using biodeposit traps: A field-based study. Marine Pollution Bulletin, 2022, 174, 113305.	5.0	1
79	Ecological Impacts of Particulate Plastics in Marine Ecosystems. , 2020, , 231-246.		0
80	Microplastic Fate and Impacts in the Environment. , 2022, , 757-779.		0
81	Microplastics Pollution and Regulation. , 2022, , 1071-1096.		0