

Michael E Deary

List of Publications by Year in descending order

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40
papers

782
citations

567281

15
h-index

526287

27
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41
all docs

41
docs citations

41
times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Selectivity of PAH Removal Processes in Soil, and the Effect of Metal Co-Contaminants. Environments - MDPI, 2022, 9, 23.	3.3	2
2	Characterising the ground level concentrations of harmful organic and inorganic substances released during major industrial fires, and implications for human health. Environment International, 2022, 162, 107152.	10.0	12
3	Comparison of diffusion tube-measured nitrogen dioxide concentrations at child and adult breathing heights: who are we monitoring for?. Air Quality, Atmosphere and Health, 2021, 14, 27-36.	3.3	3
4	New Insights into Health Risk Assessments for Inhalational Exposure to Metal(loid)s: The Application of Aqueous Chemistry Modelling in Understanding Bioaccessibility from Airborne Particulate Matter. Geosciences (Switzerland), 2021, 11, 47.	2.2	3
5	Quantifying organic carbon storage in temperate pond sediments. Journal of Environmental Management, 2021, 280, 111698.	7.8	14
6	A novel approach to the development of 1-hour threshold concentrations for exposure to particulate matter during episodic air pollution events. Journal of Hazardous Materials, 2021, 418, 126334.	12.4	5
7	Residential indoor air quality: investigating PM ₁₀ and PM _{2.5} sources, behaviour and environmental factors in a citizen science study.., 2021, , .		0
8	An apple a day? Assessing gardeners' lead exposure in urban agriculture sites to improve the derivation of soil assessment criteria. Environment International, 2019, 122, 130-141.	10.0	34
9	High carbon burial rates by small ponds in the landscape. Frontiers in Ecology and the Environment, 2019, 17, 25-31.	4.0	28
10	Iridium(III) complexes of 1,2,4-triazines as potential bioorthogonal reagents: metal coordination facilitates luminogenic reaction with strained cyclooctynes. Chemical Communications, 2019, 55, 14283-14286.	4.1	13
11	A study of particulate emissions during 23 major industrial fires: Implications for human health. Environment International, 2018, 112, 310-323.	10.0	18
12	Effect of lead, cadmium, and mercury co-contaminants on biodegradation in PAH-polluted soils. Land Degradation and Development, 2018, 29, 1583-1594.	3.9	12
13	Quantifying rapid spatial and temporal variations of CO ₂ fluxes from small, lowland freshwater ponds. Hydrobiologia, 2017, 793, 83-93.	2.0	12
14	Practicalities of mapping PM ₁₀ and PM _{2.5} concentrations on city-wide scales using a portable particulate monitor. Air Quality, Atmosphere and Health, 2016, 9, 923-930.	3.3	14
15	Development of a novel kinetic model for the analysis of PAH biodegradation in the presence of lead and cadmium co-contaminants.. Journal of Hazardous Materials, 2016, 307, 240-252.	12.4	24
16	Use of 24 kHz ultrasound to improve sulfate precipitation from wastewater. Ultrasonics Sonochemistry, 2015, 23, 424-431.	8.2	17
17	Effect of kosmotrope and chaotrope anions on rate and equilibria processes for the β -cyclodextrin catalysed reaction of 3-chloroperbenzoic acid with iodide. Journal of Inclusion Phenomena and Macroscopic Chemistry, 2014, 78, 127-136.	1.6	4
18	Evaluation of the performance of ADMS in predicting the dispersion of sulfur dioxide from a complex source in Southeast Asia: implications for health impact assessments. Air Quality, Atmosphere and Health, 2014, 7, 381-399.	3.3	7

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19	Development and application of an inhalation bioaccessibility method (IBM) for lead in the PM10 size fraction of soil. <i>Environment International</i> , 2014, 70, 132-142.	10.0	141
20	Nuclear Microscopy for Air-Pollutant Characterization and Its Advantages over Traditional Techniques. <i>Journal of Applied Spectroscopy</i> , 2014, 81, 145-150.	0.7	2
21	Variations in sediment organic carbon between different types of small natural ponds along Druridge Bay, Northumberland, UK. <i>Inland Waters</i> , 2014, 4, 57-64.	2.2	9
22	A kinetic and theoretical study of the borate catalysed reactions of hydrogen peroxide: the role of dioxaborirane as the catalytic intermediate for a wide range of substrates. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 309-317.	2.8	19
23	Gasification perspective of Pakistani coal. <i>Journal of the Energy Institute</i> , 2013, 86, 1-7.	5.3	4
24	No effect of 12 weeks' supplementation with 1 g DHA-rich or EPA-rich fish oil on cognitive function or mood in healthy young adults aged 18-35 years. <i>British Journal of Nutrition</i> , 2012, 107, 1232-1243.	2.3	67
25	A kinetic and thermodynamic study of the β -cyclodextrin mediated reaction of a range of p-substituted phenyl methyl sulfides with binding and non-binding peroxyacids. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 74, 77-86.	1.6	1
26	Dioxaborirane: a highly reactive peroxide that is the likely intermediate in borate catalysed electrophilic reactions of hydrogen peroxide in alkaline aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7249.	2.8	23
27	Borate-Catalyzed Reactions of Hydrogen Peroxide: Kinetics and Mechanism of the Oxidation of Organic Sulfides by Peroxoborates. <i>Chemistry - A European Journal</i> , 2005, 11, 3552-3558.	3.3	39
28	Characterisation and analysis of persistent organic pollutants and major, minor and trace elements in Calabash chalk. <i>Chemosphere</i> , 2004, 57, 21-25.	8.2	36
29	Evidence for cyclodextrin dioxiranes. Part 2. Catalytic and enantioselective properties of cyclodextrin dioxiranes formed from keto-derivatised hydroxypropyl- β -cyclodextrins. <i>Carbohydrate Research</i> , 1999, 317, 10-18.	2.3	8
30	Stability of 1:1 and 2:1 β -cyclodextrin-p-nitrophenyl acetate complexes and the effect of β -cyclodextrin on acyl transfer to peroxide anion nucleophiles. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 1027-1034.	0.9	8
31	Evidence for cyclodextrin dioxiranes. <i>Carbohydrate Research</i> , 1998, 309, 17-29.	2.3	15
32	Stability constants of β -cyclodextrin complexes of para-substituted aromatic ketones in aqueous solution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 193-196.	0.9	13
33	The interaction of β -cyclodextrin with aliphatic, aromatic and inorganic peracids, the corresponding parent acids and their respective anions. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 2415-2421.	0.9	7
34	Effect of β -cyclodextrin on the oxidation of aryl alkyl sulfides by peracids. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 2423-2430.	0.9	9
35	Stability and reactivity of the β -cyclodextrin complexes of 4-methylperbenzoic acid. <i>Journal of Physical Organic Chemistry</i> , 1996, 9, 433-435.	1.9	5
36	Cooperativity and steric hindrance: important factors in the binding of β -cyclodextrin with para-substituted aryl alkyl sulfides, sulfoxides and sulfones. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 1287-1294.	0.9	25

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37	A convenient preparation of aqueous methyl hydroperoxide and a comparison of its reactivity towards triacetylenediamine with that of other nucleophiles: the mechanism of peroxide bleach activation. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1992, , 559.	0.9	29
38	Kinetics of the hydrolysis and perhydrolysis of tetraacetylenediamine, a peroxide bleach activator. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 1549.	0.9	38
39	Research and development topics in Analytical Chemistry. <i>Analytical Proceedings</i> , 1989, 26, 362.	0.4	13
40	Determination of peracids in the presence of a large excess of hydrogen peroxide using a rapid and convenient spectrophotometric method. <i>Analyst</i> , The, 1988, 113, 1477.	3.5	49