

Michael E Deary

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

782
citations

567281

15
h-index

526287

27
g-index

41
all docs

41
docs citations

41
times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	No effect of 12 weeks' supplementation with 1Âg DHA-rich or EPA-rich fish oil on cognitive function or mood in healthy young adults aged 18â€“35 years. <i>British Journal of Nutrition</i> , 2012, 107, 1232-1243.	2.3	67
3	Determination of peracids in the presence of a large excess of hydrogen peroxide using a rapid and convenient spectrophotometric method. <i>Analyst, The</i> , 1988, 113, 1477.	3.5	49
4	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
5	Kinetics of the hydrolysis and perhydrolysis of tetraacetythylenediamine, a peroxide bleach activator. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 1549.	0.9	38
6	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
7	An apple a day? Assessing gardeners' lead exposure in urban agriculture sites to improve the derivation of soil assessment criteria. <i>Environment International</i> , 2019, 122, 130-141.	10.0	34
8	A convenient preparation of aqueous methyl hydroperoxide and a comparison of its reactivity towards triacetythylenediamine 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
9	High carbon burial rates by small ponds inÂtheÂlandscape. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 25-31.	4.0	28
10	Cooperativity and steric hindrance: important factors in the binding of Î±-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
11	Development of a novel kinetic model for the analysis of PAH biodegradation in the presence of lead and cadmium co-contaminants.. <i>Journal of Hazardous Materials</i> , 2016, 307, 240-252.	12.4	24
12	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
13	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<sup />. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 309-317.	2.8	19
14	A study of particulate emissions during 23 major industrial fires: Implications for human health. <i>Environment International</i> , 2018, 112, 310-323.	10.0	18
15	Use of 24 kHz ultrasound to improve sulfate precipitation from wastewater. <i>Ultrasonics Sonochemistry</i> , 2015, 23, 424-431.	8.2	17
16	Evidence for cyclodextrin dioxiranes. <i>Carbohydrate Research</i> , 1998, 309, 17-29.	2.3	15
17	Practicalities of mapping PM10 and PM2.5 concentrations on city-wide scales using a portable particulate monitor. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 923-930.	3.3	14
18	Quantifying organic carbon storage in temperate pond sediments. <i>Journal of Environmental Management</i> , 2021, 280, 111698.	7.8	14

#	ARTICLE	IF	CITATIONS
19	Research and development topics in Analytical Chemistry. Analytical Proceedings, 1989, 26, 362.	0.4	13
20	Stability constants of β -cyclodextrin complexes of para-substituted aromatic ketones in aqueous solution. Journal of the Chemical Society Perkin Transactions II, 1998, , 193-196.	0.9	13
21	Iridium(scp) 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
22	Quantifying rapid spatial and temporal variations of CO ₂ fluxes from small, lowland freshwater ponds. Hydrobiologia, 2017, 793, 83-93.	2.0	12
23	Effect of lead, cadmium, and mercury contaminants on biodegradation in PAH-polluted soils. Land Degradation and Development, 2018, 29, 1583-1594.	3.9	12
24	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
25	Effect of β -cyclodextrin on the oxidation of aryl alkyl sulfides by peracids. Journal of the Chemical Society Perkin Transactions II, 1996, , 2423-2430.	0.9	9
26	Variations in sediment organic carbon between different types of small natural ponds along Druridge Bay, Northumberland, UK. Inland Waters, 2014, 4, 57-64.	2.2	9
27	Evidence for cyclodextrin dioxiranes. Part 2. Catalytic and enantioselective properties of cyclodextrin dioxiranes formed from keto-derivatised hydroxypropyl-cyclodextrins. Carbohydrate Research, 1999, 317, 10-18.	2.3	8
28	Stability of 1β and 2β β -cyclodextrin-p-nitrophenyl acetate complexes and the effect of β -cyclodextrin on acyl transfer to peroxide anion nucleophiles. Journal of the Chemical Society Perkin Transactions II, 1999, , 1027-1034.	0.9	8
29	The interaction of β -cyclodextrin with aliphatic, aromatic and inorganic peracids, the corresponding parent acids and their respective anions. Journal of the Chemical Society Perkin Transactions II, 1996, , 2415-2421.	0.9	7
30	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
31	Stability and reactivity of the β -cyclodextrin complexes of 4-methylperbenzoic acid. Journal of Physical Organic Chemistry, 1996, 9, 433-435.	1.9	5
32	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
33	Gasification perspective of Pakistani coal. Journal of the Energy Institute, 2013, 86, 1-7.	5.3	4
34	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 Macrocyclic Chemistry, 2014, 78, 127-136.	1.6	4
35	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
36	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

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37	Nuclear Microscopy for Air-Pollutant Characterization and Its Advantages over Traditional Techniques. Journal of Applied Spectroscopy, 2014, 81, 145-150.	0.7	2
38	Structural Selectivity of PAH Removal Processes in Soil, and the Effect of Metal Co-Contaminants. Environments - MDPI, 2022, 9, 23.	3.3	2
39	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. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 74, 77-86.	1.6	1
40	Residential indoor air quality: investigating PM ₁₀ and PM _{2.5} sources, behaviour and environmental factors in a citizen science study.. , 2021, , .		0