

Mohamed Abou-Elwafa Abdallah

List of Publications by Year in descending order

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papers

8,649
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66315

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times ranked

6527
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceuticals and personal care products (PPCPs) in the freshwater aquatic environment. <i>Emerging Contaminants</i> , 2017, 3, 1-16.	2.2	1,352
2	Novel brominated flame retardants: A review of their analysis, environmental fate and behaviour. <i>Environment International</i> , 2011, 37, 532-556.	4.8	1,188
3	Analytical and environmental aspects of the flame retardant tetrabromobisphenol-A and its derivatives. <i>Journal of Chromatography A</i> , 2009, 1216, 346-363.	1.8	346
4	Levels and trends of PBDEs and HBCDs in the global environment: Status at the end of 2012. <i>Environment International</i> , 2014, 65, 147-158.	4.8	346
5	Hexabromocyclododecanes and Tetrabromobisphenol-A in Indoor Air and Dust in Birmingham, UK: Implications for Human Exposure. <i>Environmental Science & Technology</i> , 2008, 42, 6855-6861.	4.6	281
6	Indoor Contamination with Hexabromocyclododecanes, Polybrominated Diphenyl Ethers, and Perfluoroalkyl Compounds: An Important Exposure Pathway for People?. <i>Environmental Science & Technology</i> , 2010, 44, 3221-3231.	4.6	266
7	Concentrations of brominated flame retardants in dust from United Kingdom cars, homes, and offices: Causes of variability and implications for human exposure. <i>Environment International</i> , 2008, 34, 1170-1175.	4.8	257
8	Current-Use Brominated Flame Retardants in Water, Sediment, and Fish from English Lakes. <i>Environmental Science & Technology</i> , 2009, 43, 9077-9083.	4.6	221
9	Identifying Transfer Mechanisms and Sources of Decabromodiphenyl Ether (BDE 209) in Indoor Environments Using Environmental Forensic Microscopy. <i>Environmental Science & Technology</i> , 2009, 43, 3067-3072.	4.6	198
10	Organophosphate Flame Retardants in Indoor Dust from Egypt: Implications for Human Exposure. <i>Environmental Science & Technology</i> , 2014, 48, 4782-4789.	4.6	196
11	Phasing-out of legacy brominated flame retardants: The UNEP Stockholm Convention and other legislative action worldwide. <i>Environment International</i> , 2020, 144, 106041.	4.8	179
12	Exposure to Hexabromocyclododecanes (HBCDs) via Dust Ingestion, but Not Diet, Correlates with Concentrations in Human Serum: Preliminary Results. <i>Environmental Health Perspectives</i> , 2009, 117, 1707-1712.	2.8	159
13	Causes of variability in concentrations and diastereomer patterns of hexabromocyclododecanes in indoor dust. <i>Environment International</i> , 2009, 35, 573-579.	4.8	149
14	Tetrabromobisphenol-A, hexabromocyclododecane and its degradation products in UK human milk: Relationship to external exposure. <i>Environment International</i> , 2011, 37, 443-448.	4.8	144
15	Occurrence, seasonal variation and human exposure to pharmaceuticals and personal care products in surface water, groundwater and drinking water in Lagos State, Nigeria. <i>Emerging Contaminants</i> , 2020, 6, 124-132.	2.2	140
16	Hexabromocyclododecanes In Indoor Dust From Canada, the United Kingdom, and the United States. <i>Environmental Science & Technology</i> , 2008, 42, 459-464.	4.6	135
17	Dust from U.K. Primary School Classrooms and Daycare Centers: The Significance of Dust As a Pathway of Exposure of Young U.K. Children to Brominated Flame Retardants and Polychlorinated Biphenyls. <i>Environmental Science & Technology</i> , 2010, 44, 4198-4202.	4.6	135
18	Human dermal absorption of chlorinated organophosphate flame retardants; implications for human exposure. <i>Toxicology and Applied Pharmacology</i> , 2016, 291, 28-37.	1.3	126

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19	Emerging and Legacy Flame Retardants in UK Indoor Air and Dust: Evidence for Replacement of PBDEs by Emerging Flame Retardants?. <i>Environmental Science & Technology</i> , 2016, 50, 13052-13061.	4.6	125
20	Brominated flame retardants in dust from UK cars – Within-vehicle spatial variability, evidence for degradation and exposure implications. <i>Chemosphere</i> , 2011, 82, 1240-1245.	4.2	90
21	A critical review of human exposure to organophosphate esters with a focus on dietary intake. <i>Science of the Total Environment</i> , 2021, 771, 144752.	3.9	85
22	Predictors of Tetrabromobisphenol-A (TBBP-A) and Hexabromocyclododecanes (HBCD) in Milk from Boston Mothers. <i>Environmental Science & Technology</i> , 2012, 46, 12146-12153.	4.6	84
23	Comparative evaluation of liquid chromatography–mass spectrometry versus gas chromatography–mass spectrometry for the determination of hexabromocyclododecanes and their degradation products in indoor dust. <i>Journal of Chromatography A</i> , 2008, 1190, 333-341.	1.8	83
24	Human dietary intake of organohalogen contaminants at e-waste recycling sites in Eastern China. <i>Environment International</i> , 2015, 74, 209-220.	4.8	83
25	Evaluation of in vitro vs. in vivo methods for assessment of dermal absorption of organic flame retardants: A review. <i>Environment International</i> , 2015, 74, 13-22.	4.8	81
26	Environmental occurrence, analysis and human exposure to the flame retardant tetrabromobisphenol-A (TBBP-A)-A review. <i>Environment International</i> , 2016, 94, 235-250.	4.8	80
27	Factors Influencing Concentrations of Polybrominated Diphenyl Ethers (PBDEs) in Students from Antwerp, Belgium. <i>Environmental Science & Technology</i> , 2009, 43, 3535-3541.	4.6	79
28	Emerging and legacy flame retardants in UK human milk and food suggest slow response to restrictions on use of PBDEs and HBCDD. <i>Environment International</i> , 2017, 105, 95-104.	4.8	76
29	Spectrofluorometric determination of certain quinolone antibacterials using metal chelation. <i>Talanta</i> , 2003, 60, 1033-1050.	2.9	75
30	A single run, rapid polarity switching method for determination of 30 pharmaceuticals and personal care products in waste water using Q-Exactive Orbitrap high resolution accurate mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1588, 68-76.	1.8	69
31	Dermal bioaccessibility of flame retardants from indoor dust and the influence of topically applied cosmetics. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 100-105.	1.8	67
32	Personal exposure to HBCDs and its degradation products via ingestion of indoor dust. <i>Environment International</i> , 2009, 35, 870-876.	4.8	66
33	Modification and Calibration of a Passive Air Sampler for Monitoring Vapor and Particulate Phase Brominated Flame Retardants in Indoor Air: Application to Car Interiors. <i>Environmental Science & Technology</i> , 2010, 44, 3059-3065.	4.6	66
34	Effect of Bromine Substitution on Human Dermal Absorption of Polybrominated Diphenyl Ethers. <i>Environmental Science & Technology</i> , 2015, 49, 10976-10983.	4.6	65
35	Perfluoroalkyl Substances in Drinking Water, Indoor Air and Dust from Ireland: Implications for Human Exposure. <i>Environmental Science & Technology</i> , 2019, 53, 13449-13457.	4.6	65
36	Isotope Dilution Method for Determination of Polybrominated Diphenyl Ethers Using Liquid Chromatography Coupled to Negative Ionization Atmospheric Pressure Photoionization Tandem Mass Spectrometry: Validation and Application to House Dust. <i>Analytical Chemistry</i> , 2009, 81, 7460-7467.	3.2	64

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37	Polybrominated diphenyl ethers in UK human milk: Implications for infant exposure and relationship to external exposure. <i>Environment International</i> , 2014, 63, 130-136.	4.8	63
38	Concentrations of Brominated Flame Retardants in Indoor Air and Dust from Ireland Reveal Elevated Exposure to Decabromodiphenyl Ethane. <i>Environmental Science & Technology</i> , 2019, 53, 9826-9836.	4.6	62
39	Enantioselective Biotransformation of Hexabromocyclododecane by in Vitro Rat and Trout Hepatic Sub-Cellular Fractions. <i>Environmental Science & Technology</i> , 2014, 48, 2732-2740.	4.6	58
40	Occurrence, human exposure, and risk of microplastics in the indoor environment. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 17-31.	1.7	58
41	Dermal contact with furniture fabrics is a significant pathway of human exposure to brominated flame retardants. <i>Environment International</i> , 2018, 118, 26-33.	4.8	52
42	In vitro assessment of the bioaccessibility of brominated flame retardants in indoor dust using a colon extended model of the human gastrointestinal tract. <i>Journal of Environmental Monitoring</i> , 2012, 14, 3276.	2.1	48
43	Evaluation of 3D-human skin equivalents for assessment of human dermal absorption of some brominated flame retardants. <i>Environment International</i> , 2015, 84, 64-70.	4.8	46
44	Concentrations of perfluoroalkyl substances in human milk from Ireland: Implications for adult and nursing infant exposure. <i>Chemosphere</i> , 2020, 246, 125724.	4.2	45
45	Hexabromocyclododecane in polystyrene packaging: A downside of recycling?. <i>Chemosphere</i> , 2018, 199, 612-616.	4.2	44
46	Brominated flame retardants in Irish waste polymers: Concentrations, legislative compliance, and treatment options. <i>Science of the Total Environment</i> , 2018, 625, 1535-1543.	3.9	44
47	Brominated flame retardants in black plastic kitchen utensils: Concentrations and human exposure implications. <i>Science of the Total Environment</i> , 2018, 610-611, 1138-1146.	3.9	44
48	Polybrominated diphenyl ethers and polychlorinated biphenyls in dust from cars, homes, and offices in Lagos, Nigeria. <i>Chemosphere</i> , 2016, 146, 346-353.	4.2	43
49	Concentrations of Polybrominated Diphenyl Ethers, Hexabromocyclododecanes and Tetrabromobisphenol-A in Breast Milk from United Kingdom Women Do Not Decrease over Twelve Months of Lactation. <i>Environmental Science & Technology</i> , 2015, 49, 13899-13903.	4.6	41
50	Predictors of human PBDE body burdens for a UK cohort. <i>Chemosphere</i> , 2017, 189, 186-197.	4.2	41
51	Children's exposure to hazardous brominated flame retardants in plastic toys. <i>Science of the Total Environment</i> , 2020, 720, 137623.	3.9	38
52	A one-step extraction/clean-up method for determination of PCBs, PBDEs and HBCDs in environmental solid matrices. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 2279.	1.7	37
53	Advances in the sample preparation of brominated flame retardants and other brominated compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 189-203.	5.8	36
54	Legacy PBDEs and NBFRs in sediments of the tidal River Thames using liquid chromatography coupled to a high resolution accurate mass Orbitrap mass spectrometer. <i>Science of the Total Environment</i> , 2019, 658, 1355-1366.	3.9	36

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55	Microplastics in freshwater sediments: Analytical methods, temporal trends, and risk of associated organophosphate esters as exemplar plastics additives. <i>Environmental Research</i> , 2022, 203, 111830.	3.7	31
56	A rapid method for the determination of brominated flame retardant concentrations in plastics and textiles entering the waste stream. <i>Journal of Separation Science</i> , 2017, 40, 3873-3881.	1.3	30
57	Biotransformation of the Flame Retardant 1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane (TBECH) in Vitro by Human Liver Microsomes. <i>Environmental Science & Technology</i> , 2017, 51, 10511-10518.	4.6	28
58	High-resolution mass spectrometry provides novel insights into products of human metabolism of organophosphate and brominated flame retardants. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1871-1883.	1.9	27
59	In vitro metabolism of BDE-47, BDE-99, and $\hat{1}\pm$, $\hat{1}^2$ -, $\hat{1}^3$ -HBCD isomers by chicken liver microsomes. <i>Environmental Research</i> , 2015, 143, 221-228.	3.7	27
60	Current Exposure to Persistent Polychlorinated Biphenyls (PCBs) and Dichlorodiphenyldichloroethylene (p,p'-DDE) of Belgian Students from Food and Dust. <i>Environmental Science & Technology</i> , 2010, 44, 2870-2875.	4.6	26
61	Emerging and legacy brominated flame retardants in the breast milk of first time Irish mothers suggest positive response to restrictions on use of HBCDD and Penta- and Octa-BDE formulations. <i>Environmental Research</i> , 2020, 180, 108805.	3.7	26
62	Dermal uptake: An important pathway of human exposure to perfluoroalkyl substances?. <i>Environmental Pollution</i> , 2022, 307, 119478.	3.7	26
63	Hexabromocyclododecane and tetrabromobisphenol-A in indoor dust from France, Kazakhstan and Nigeria: Implications for human exposure. <i>Emerging Contaminants</i> , 2016, 2, 73-79.	2.2	25
64	Atmospheric concentrations, gaseous-particulate distribution, and carcinogenic potential of polycyclic aromatic hydrocarbons in Assiut, Egypt. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8059-8069.	2.7	24
65	Portable X-ray fluorescence for the detection of POP-BFRs in waste plastics. <i>Science of the Total Environment</i> , 2018, 639, 49-57.	3.9	24
66	Temporal trends in concentrations of legacy and novel brominated flame retardants in house dust from Birmingham in the United Kingdom. <i>Emerging Contaminants</i> , 2020, 6, 323-329.	2.2	22
67	Calibration of two passive air sampler configurations for monitoring concentrations of hexabromocyclododecanes in indoor air. <i>Journal of Environmental Monitoring</i> , 2008, 10, 527.	2.1	21
68	Formal waste treatment facilities as a source of halogenated flame retardants and organophosphate esters to the environment: A critical review with particular focus on outdoor air and soil. <i>Science of the Total Environment</i> , 2022, 807, 150747.	3.9	20
69	Polybrominated diphenyl ethers (PBDEs) in English freshwater lakes, 2008-2012. <i>Chemosphere</i> , 2014, 110, 41-47.	4.2	17
70	Assessment of brominated flame retardants in a small mixed waste electronic and electrical equipment (WEEE) plastic recycling stream in the UK. <i>Science of the Total Environment</i> , 2021, 780, 146543.	3.9	16
71	A meta-analysis of factors influencing concentrations of brominated flame retardants and organophosphate esters in indoor dust. <i>Environmental Pollution</i> , 2021, 285, 117262.	3.7	16
72	Transcriptomic and metabolomic approaches to investigate the molecular responses of human cell lines exposed to the flame retardant hexabromocyclododecane (HBCD). <i>Toxicology in Vitro</i> , 2015, 29, 2116-2123.	1.1	15

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73	HPTLC with Fluorescence Densitometry for Simultaneous Determination of Some Angiotensin II Receptor Blockers in Tablets and Plasma. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 354-360.	0.7	15
74	Status of brominated flame retardants, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons in air and indoor dust in AFRICA: A review. <i>Emerging Contaminants</i> , 2020, 6, 405-420.	2.2	14
75	Gene expression and metabolic responses of HepG2/C3A cells exposed to flame retardants and dust extracts at concentrations relevant to indoor environmental exposures. <i>Chemosphere</i> , 2016, 144, 1996-2003.	4.2	13
76	Levels and profiles of organohalogenated contaminants in human blood from Egypt. <i>Chemosphere</i> , 2017, 176, 266-272.	4.2	13
77	The utility of X-Ray fluorescence spectrometry as a tool for monitoring compliance with limits on concentrations of halogenated flame retardants in waste polymers: A critical review. <i>Emerging Contaminants</i> , 2022, 8, 9-20.	2.2	13
78	First insight into human extrahepatic metabolism of flame retardants: Biotransformation of EH-TBB and Firemaster-550 components by human skin subcellular fractions. <i>Chemosphere</i> , 2019, 227, 1-8.	4.2	11
79	Organophosphate esters in indoor and outdoor dust from Iraq: Implications for human exposure. <i>Emerging Contaminants</i> , 2021, 7, 204-212.	2.2	11
80	Concentrations of polychlorinated biphenyls in soil and indoor dust associated with electricity generation facilities in Lagos, Nigeria. <i>Chemosphere</i> , 2018, 207, 620-625.	4.2	10
81	Application of high-performance thin-layer chromatography for screening and simultaneous determination of some angiotensin II receptor antagonists in dosage forms and plasma. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 192-198.	0.6	9
82	Dermal uptake of chlorinated organophosphate flame retardants via contact with furniture fabrics; implications for human exposure. <i>Environmental Research</i> , 2022, 209, 112847.	3.7	9
83	Characterisation of fasted state gastric and intestinal fluids collected from children. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 158, 156-165.	2.0	8
84	Concentrations of halogenated flame retardants and polychlorinated biphenyls in house dust from Lagos, Nigeria. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1696-1705.	1.7	8
85	New Directions: What do we need to know about brominated flame retardants in indoor dust?. <i>Atmospheric Environment</i> , 2011, 45, 5652-5653.	1.9	6
86	Exposure, risk and predictors of hexabromocyclododecane and Tetrabromobisphenol-A in house dust from urban, rural and E-waste dismantling sites in Thailand. <i>Chemosphere</i> , 2022, 302, 134730.	4.2	6
87	Development of two high-performance thin-layer chromatographic methods for the determination of irbesartan in tablets and plasma. <i>Journal of Planar Chromatography - Modern TLC</i> , 2015, 28, 83-89.	0.6	5
88	Atmospheric concentrations of polychlorinated biphenyls, brominated flame retardants, and novel flame retardants in Lagos, Nigeria indicate substantial local sources. <i>Environmental Research</i> , 2022, 204, 112091.	3.7	5
89	Trends in hexabromocyclododecanes in the UK and North America. <i>Science of the Total Environment</i> , 2019, 658, 861-867.	3.9	4
90	Advances in Instrumental Analysis of Brominated Flame Retardants: Current Status and Future Perspectives. <i>International Scholarly Research Notices</i> , 2014, 2014, 1-21.	0.9	3

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91	Exploring variations of hexabromocyclododecane concentrations in riverine sediments along the River Medway, UK. Environmental Sciences: Processes and Impacts, 2021, 23, 776-785.	1.7	3
92	Persistent Organic Pollutants. Issues in Environmental Science and Technology, 2015, , 150-186.	0.4	2
93	Response to Comment on "Concentrations of Brominated Flame Retardants in Indoor Air and Dust from Ireland Reveal Elevated Exposure to Decabromodiphenyl Ethane". Environmental Science & Technology, 2020, 54, 11634-11635.	4.6	0
94	Instrumental Analysis of Brominated Flame Retardants. , 2017, , 515-536.		0