

Mohamad Pauzi Zakaria

List of Publications by Year in descending order

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99
papers

4,848
citations

147566

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98622

67
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104
all docs

104
docs citations

104
times ranked

5163
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Rivers and Estuaries in Malaysia: A Widespread Input of Petrogenic PAHs. <i>Environmental Science & Technology</i> , 2002, 36, 1907-1918.	4.6	609
2	International Pellet Watch: Global monitoring of persistent organic pollutants (POPs) in coastal waters. 1. Initial phase data on PCBs, DDTs, and HCHs. <i>Marine Pollution Bulletin</i> , 2009, 58, 1437-1446.	2.3	541
3	Microplastics in Sediment Cores from Asia and Africa as Indicators of Temporal Trends in Plastic Pollution. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 230-239.	2.1	308
4	Multi-residue analytical method for human pharmaceuticals and synthetic hormones in river water and sewage effluents by solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 6791-6806.	1.8	190
5	Degradation of veterinary antibiotics and hormone during broiler manure composting. <i>Bioresource Technology</i> , 2013, 131, 476-484.	4.8	180
6	Asia-Pacific mussel watch for emerging pollutants: Distribution of synthetic musks and benzotriazole UV stabilizers in Asian and US coastal waters. <i>Marine Pollution Bulletin</i> , 2012, 64, 2211-2218.	2.3	146
7	Polycyclic Aromatic Hydrocarbon (PAHs) and Hopanes in Stranded Tar-balls on the Coasts of Peninsular Malaysia: Applications of Biomarkers for Identifying Sources of Oil Pollution. <i>Marine Pollution Bulletin</i> , 2001, 42, 1357-1366.	2.3	139
8	Oil Pollution in the Straits of Malacca, Malaysia: Application of Molecular Markers for Source Identification. <i>Environmental Science & Technology</i> , 2000, 34, 1189-1196.	4.6	134
9	Simultaneous determination of veterinary antibiotics and hormone in broiler manure, soil and manure compost by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1262, 160-168.	1.8	131
10	Occurrence of veterinary antibiotics and progesterone in broiler manure and agricultural soil in Malaysia. <i>Science of the Total Environment</i> , 2014, 488-489, 261-267.	3.9	127
11	Asian Mussel Watch Program: Contamination Status of Polybrominated Diphenyl Ethers and Organochlorines in Coastal Waters of Asian Countries. <i>Environmental Science & Technology</i> , 2007, 41, 4580-4586.	4.6	126
12	Source identification of Malaysian atmospheric polycyclic aromatic hydrocarbons nearby forest fires using molecular and isotopic compositions. <i>Atmospheric Environment</i> , 2002, 36, 611-618.	1.9	119
13	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) and phenolic endocrine disrupting chemicals in South and Southeast Asian mussels. <i>Environmental Monitoring and Assessment</i> , 2007, 135, 423-440.	1.3	104
14	The impact of biochars on sorption and biodegradation of polycyclic aromatic hydrocarbons in soils—a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3314-3341.	2.7	102
15	Vertical distribution and source identification of polycyclic aromatic hydrocarbons in anoxic sediment cores of Chini Lake, Malaysia: Perylene as indicator of land plant-derived hydrocarbons. <i>Applied Geochemistry</i> , 2009, 24, 1777-1787.	1.4	89
16	Application of geoaccumulation index and enrichment factors on the assessment of heavy metal pollution in the sediments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 182-190.	0.9	87
17	Chemometric techniques in distribution, characterisation and source apportionment of polycyclic aromatic hydrocarbons (PAHs) in aquaculture sediments in Malaysia. <i>Marine Pollution Bulletin</i> , 2013, 69, 55-66.	2.3	83
18	Baseline distributions and sources of Polycyclic Aromatic Hydrocarbons (PAHs) in the surface sediments from the Prai and Malacca Rivers, Peninsular Malaysia. <i>Marine Pollution Bulletin</i> , 2014, 88, 366-372.	2.3	78

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19	Spatial Variability of Metals in Surface Water and Sediment in the Langat River and Geochemical Factors That Influence Their Water-Sediment Interactions. <i>Scientific World Journal</i> , The, 2012, 2012, 1-14.	0.8	74
20	Anthropogenic waste indicators (AWIs), particularly PAHs and LABs, in Malaysian sediments: Application of aquatic environment for identifying anthropogenic pollution. <i>Marine Pollution Bulletin</i> , 2016, 102, 160-175.	2.3	66
21	Characterization of alkanes, hopanes, and polycyclic aromatic hydrocarbons (PAHs) in tar-balls collected from the East Coast of Peninsular Malaysia. <i>Marine Pollution Bulletin</i> , 2008, 56, 950-962.	2.3	55
22	Isolation, identification and diesel-oil biodegradation capacities of indigenous hydrocarbon-degrading strains of <i>Cellulosimicrobium cellulans</i> and <i>Acinetobacter baumannii</i> from tarball at Terengganu beach, Malaysia. <i>Marine Pollution Bulletin</i> , 2016, 107, 261-268.	2.3	51
23	Alkylbenzenes in mussels from South and South East Asian coasts as a molecular tool to assess sewage impact. <i>Marine Pollution Bulletin</i> , 2002, 45, 325-331.	2.3	50
24	Elucidation of in-vitro anti-inflammatory bioactive compounds isolated from <i>Jatropha curcas</i> L. plant root. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 11.	3.7	50
25	Impact of biochar and compost amendment on soil quality, growth and yield of a replanted apple orchard in a 4-year field study. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 1862-1869.	1.7	50
26	Application of chemometrics in understanding the spatial distribution of human pharmaceuticals in surface water. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6735-6748.	1.3	46
27	Composition and source identification of polycyclic aromatic hydrocarbons in mangrove sediments of Peninsular Malaysia: indication of anthropogenic input. <i>Environmental Earth Sciences</i> , 2013, 70, 2425-2436.	1.3	40
28	Baseline distribution and sources of linear alkyl benzenes (LABs) in surface sediments from Brunei Bay, Brunei. <i>Marine Pollution Bulletin</i> , 2015, 101, 397-403.	2.3	40
29	Forensic investigation of aliphatic hydrocarbons in the sediments from selected mangrove ecosystems in the west coast of Peninsular Malaysia. <i>Marine Pollution Bulletin</i> , 2015, 100, 311-320.	2.3	39
30	Risk assessment for the daily intake of polycyclic aromatic hydrocarbons from the ingestion of cockle (<i>Anadara granosa</i>) and exposure to contaminated water and sediments along the west coast of Peninsular Malaysia. <i>Journal of Environmental Sciences</i> , 2011, 23, 336-345.	3.2	38
31	Distributions and source apportionment of sediment-associated polycyclic aromatic hydrocarbons (PAHs) and hopanes in rivers and estuaries of Peninsular Malaysia. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9424-9437.	2.7	33
32	Evidence for the microbial degradation of imidacloprid in soils of Cameron Highlands. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2015, 14, 182-188.	1.0	33
33	Faecal sterols as sewage markers in the Langat River, Malaysia: Integration of biomarker and multivariate statistical approaches. <i>Journal of Environmental Sciences</i> , 2012, 24, 1600-1608.	3.2	31
34	Evaluation of the potential bioaccumulation ability of the blood cockle (<i>Anadara granosa</i> L.) for assessment of environmental matrices of mudflats. <i>Science of the Total Environment</i> , 2013, 454-455, 584-597.	3.9	31
35	Evaluation of distribution and sources of sewage molecular marker (LABs) in selected rivers and estuaries of Peninsular Malaysia. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5693-5704.	2.7	30
36	Historical occurrences of polybrominated diphenyl ethers and polychlorinated biphenyls in Manila Bay, Philippines, and in the upper Gulf of Thailand. <i>Science of the Total Environment</i> , 2014, 470-471, 427-437.	3.9	29

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37	Source Type Evaluation of Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Sediments from the Muar River and Pulau Merambong, Peninsular Malaysia. <i>Environmental Forensics</i> , 2015, 16, 135-142.	1.3	29
38	Bioavailability of polycyclic aromatic hydrocarbons (PAHs) to short-neck clam (<i>Paphia undulata</i>) from sediment matrices in mudflat ecosystem of the west coast of Peninsular Malaysia. <i>Environmental Geochemistry and Health</i> , 2017, 39, 591-610.	1.8	28
39	Distribution, Sources Identification, and Ecological Risk of PAHs and PCBs in Coastal Surface Sediments from the Northern Persian Gulf. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1507-1520.	1.7	27
40	Seasonal Trends of Atmospheric PAHs in Five Asian Megacities and Source Detection Using Suitable Biomarkers. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2247-2262.	0.9	27
41	Distribution and sources of linear alkyl benzenes (LABs) in surface sediments from Johor Bahru Coast and the Kim Kim River, Malaysia. <i>Environmental Forensics</i> , 2016, 17, 36-47.	1.3	26
42	Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) in Surface Water From the Langat River, Peninsular Malaysia. <i>Environmental Forensics</i> , 2012, 13, 82-92.	1.3	24
43	Groundwater and surface-water utilisation using a bank infiltration technique in Malaysia. <i>Hydrogeology Journal</i> , 2014, 22, 543-564.	0.9	24
44	Mangrove Oyster (<i>Crassostrea belcheri</i>) as a Biomonitor Species for Bioavailability of Polycyclic Aromatic Hydrocarbons (PAHs) from Sediment of the West Coast of Peninsular Malaysia. <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 470-485.	1.4	23
45	Aliphatic hydrocarbons and triterpane biomarkers in mangrove oyster (<i>Crassostrea belcheri</i>) from the west coast of Peninsular Malaysia. <i>Marine Pollution Bulletin</i> , 2017, 124, 33-42.	2.3	22
46	Spatial distribution and sources of polycyclic aromatic hydrocarbons (PAHs) in green mussels (<i>Perna viridis</i>) from coastal areas of Peninsular Malaysia: implications for source identification of perylene. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 14-30.	1.8	21
47	Variations and Origins of Aliphatic Hydrocarbons in Sediment Cores from Chini Lake in Peninsular Malaysia. <i>Environmental Forensics</i> , 2011, 12, 79-91.	1.3	21
48	Total petroleum hydrocarbons in sediments from the coastline and mangroves of the northern Persian Gulf. <i>Marine Pollution Bulletin</i> , 2015, 95, 407-411.	2.3	21
49	Ecotoxicological and Health Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Short-Neck Clam (<i>Paphia undulata</i>) and Contaminated Sediments in Malacca Strait, Malaysia. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 73, 474-487.	2.1	21
50	Forensic Characterization of Polycyclic Aromatic Hydrocarbons and Hopanes in Aerosols from Peninsular Malaysia. <i>Environmental Forensics</i> , 2009, 10, 240-252.	1.3	20
51	Occurrence of synthetic hormones in sewage effluents and Langat River and its tributaries, Malaysia. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1457-1469.	1.8	20
52	Evaluation of Polycyclic Aromatic Hydrocarbons Contamination in the Sediments of the Johor Strait, Peninsular Malaysia. <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 44-59.	1.4	19
53	Use of sterols and linear alkylbenzenes as molecular markers of sewage pollution in Southeast Asia. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31555-31580.	2.7	18
54	Elemental hydrochemistry assessment on its variation and quality status in Langat River, Western Peninsular Malaysia. <i>Environmental Earth Sciences</i> , 2013, 70, 993-1004.	1.3	17

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55	Polycyclic Aromatic Hydrocarbon (PAH) Contamination of Surface Sediments from Port Dickson, Malaysia: Distribution, Sources and Ecological Risk Assessment. <i>Environmental Forensics</i> , 2015, 16, 322-332.	1.3	17
56	Sterols as biomarkers in the surface microlayer of the estuarine areas. <i>Marine Pollution Bulletin</i> , 2015, 93, 278-283.	2.3	17
57	Toxic and nontoxic elemental enrichment in biochar at different production temperatures. <i>Journal of Cleaner Production</i> , 2016, 131, 810-821.	4.6	17
58	Seasonal variability of anthropogenic indices of PAHs in sediment from the Kuala Selangor River, west coast Peninsular Malaysia. <i>Environmental Geochemistry and Health</i> , 2018, 40, 2551-2572.	1.8	16
59	Extraction Efficiency and HPLC Determination of Imidacloprid in Soil. <i>Soil and Sediment Contamination</i> , 2012, 21, 985-995.	1.1	15
60	Distribution of black carbon and PAHs in sediments of Peninsular Malaysia. <i>Marine Pollution Bulletin</i> , 2021, 172, 112871.	2.3	15
61	Isotope constraints of the strong influence of biomass burning to climate-forcing Black Carbon aerosols over Southeast Asia. <i>Science of the Total Environment</i> , 2020, 744, 140359.	3.9	14
62	Ploidy-, gender-, and dose-dependent alteration of selected biomarkers in <i>Clarias gariepinus</i> treated with benzo[a]pyrene. <i>Journal of Environmental Sciences</i> , 2015, 38, 95-102.	3.2	13
63	Statistical Approach in Determining the Spatial Changes of Surface Water Quality at the Upper Course of Kano River, Nigeria. <i>Water Quality, Exposure, and Health</i> , 2014, 6, 127-142.	1.5	12
64	Monitoring of sewage pollution in the surface sediments of coastal ecosystems using linear alkylbenzenes (LABs) as molecular markers. <i>Journal of Soils and Sediments</i> , 2020, 20, 3230-3242.	1.5	12
65	Linear alkylbenzenes in surface sediments of an estuarine and marine environment in peninsular Malaysia. <i>Marine Pollution Bulletin</i> , 2020, 153, 111013.	2.3	12
66	Determination of linear alkylbenzenes (LABs) in mangrove ecosystems using the oyster <i>Crassostrea belcheri</i> as a biosensor. <i>Marine Pollution Bulletin</i> , 2020, 154, 111115.	2.3	12
67	Conjunctive use of surface water and groundwater via the bank infiltration method. <i>Arabian Journal of Geosciences</i> , 2014, 7, 3731-3753.	0.6	11
68	Distribution of Petroleum Hydrocarbons in Surface Sediments from Selected Locations in Kuala Selangor River, Malaysia. , 2014, , 351-356.		11
69	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Sediment from Muar River and Pulau Merambong, Peninsular Malaysia. , 2014, , 451-455.		10
70	Polycyclic Aromatic Hydrocarbons and Hopane in Malacca Coastal Water: 130 Years of Evidence for Their Land-Based Sources. <i>Environmental Forensics</i> , 2011, 12, 63-78.	1.3	9
71	Simultaneous extraction and determination of pharmaceuticals and personal care products (PPCPs) in river water and sewage by solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-17.	1.8	9
72	Concentrations and Source Identification of Polycyclic Aromatic Hydrocarbons (PAHs) in Mangrove Sediments from North of Persian Gulf. <i>Polycyclic Aromatic Compounds</i> , 2016, 36, 601-612.	1.4	9

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73	Determination of hydrocarbon sources in major rivers and estuaries of peninsular Malaysia using aliphatic hydrocarbons and hopanes as biomarkers. <i>Environmental Forensics</i> , 2022, 23, 255-268.	1.3	9
74	Year-round Measurements of Dissolved Black Carbon in Coastal Southeast Asia Aerosols: Rethinking Its Atmospheric Deposition in the Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034590.	1.2	9
75	Assessment of Sewage Molecular Markers in Port Dickson Coast and Kim Kim River with Sediment Linear Alkylbenzenes. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 343-355.	1.4	9
76	Comparison of understory bird species in relation to edge-interior gradient in an isolated tropical rainforest of Malaysia. <i>Environment, Development and Sustainability</i> , 2014, 16, 375-392.	2.7	8
77	Particle tracking analysis of river-aquifer interaction via bank infiltration techniques. <i>Environmental Earth Sciences</i> , 2014, 72, 3129-3142.	1.3	8
78	Monitoring of linear alkyl benzenes (LABs) in riverine and estuarine sediments in Malaysia. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3687-3702.	1.8	8
79	Health Risk of PCBs and DDTs in Seafood from Southern Iran. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1164-1176.	1.7	7
80	Laboratory simulation of LNAPL spills and remediation in unsaturated porous media using the image analysis technique: A review. , 2011, , .		6
81	Contamination status and ecological risk of heavy metals in surface sediment of Kelantan River and its nearshore area, Malaysia. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 103-117.	1.0	6
82	Three Centuries of Polycyclic Aromatic Hydrocarbons and Teriterpane Records In Tebrau Strait, Malaysia; Recent Pollution Concern in a Pristine Marine Environment. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 364-389.	1.4	5
83	Polymer Partitioning Approach for Petroleum Hydrocarbon Reduction in a Clay Soil. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	5
84	Using particle tracking as a tool sustainable bank infiltration techniques: a case study in an alluvial area. <i>Arabian Journal of Geosciences</i> , 2015, 8, 1571-1590.	0.6	5
85	Source apportionment and health risk assessment of polycyclic aromatic hydrocarbons (PAHs) in the coastal ecosystem of the Brunei Bay, Brunei. <i>Marine Pollution Bulletin</i> , 2022, 181, 113913.	2.3	5
86	Examination of barnacles™ potential to be used as bioindicators of persistent organic pollutants in coastal ecosystem: A Malaysia case study. <i>Chemosphere</i> , 2021, 263, 128272.	4.2	4
87	International pellet watch: Global monitoring of polybrominated diphenyl ethers (PBDEs) in plastic resin pellets. <i>Environmental Monitoring and Contaminants Research</i> , 2021, 1, 75-90.	0.4	4
88	Use of molecular markers and compound-specific isotopic signatures to trace sources of black carbon in surface sediments of Peninsular Malaysia: Impacts of anthropogenic activities. <i>Marine Chemistry</i> , 2021, 237, 104032.	0.9	4
89	Equifinality in the modelling of ammonia volatilisation from a flooded rice system. <i>Environmental Modelling and Software</i> , 2020, 133, 104752.	1.9	3
90	Fingerprinting Techniques Investigation to Detect Petroleum Hydrocarbon Origin in Coastal Sediments of Persian Gulf. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 355-371.	1.4	2

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91	Aluminum tris(dihydrogen phosphate) $[Al(H_2PO_4)_3]$ as an efficient and heterogeneous catalyst for the environmentally friendly preparation of N,N'-alkylidene biscarbamates. , 2010, , .		1
92	Modeling of crude oil biodegradation using two phase partitioning bioreactor. Biotechnology Progress, 2014, 30, 797-805.	1.3	1
93	Comparison of polycyclic aromatic hydrocarbons level between suspended solid and sediment samples of Pengkalan Chepa River, Kelantan state, Malaysia. AIP Conference Proceedings, 2015, , .	0.3	1
94	Environmental Forensic Techniques in Identifying the Sources of 16 USEPA Priority Pollutants Polycyclic Aromatic Hydrocarbons (PAHs) at the Langat River, Selangor, Malaysia. International Journal of Engineering and Technology(UAE), 2018, 7, 123.	0.2	1
95	Chemical characterization of atmospheric transported polycyclic aromatic hydrocarbons in peninsular Malaysia: A quarter century view. , 2009, , .		0
96	Silica Supported Barium Chloride (SiO_2 - $BaCl_2$): Efficient and Heterogeneous catalyst for the environmentally friendly preparation of N,N'-alkylidene bisamides under solvent-free condition. , 2010, , .		0
97	The Effects of Climate Change on Avian Diversity in High-Altitude Wetland Habitats. , 2015, , 545-567.		0
98	Population Estimates and Site Occupancy of Purple Swamphen and White-Breasted Waterhen in the Natural and Artificial Urban Wetlands of Peninsular Malaysia. Punjab University Journal of Zoology, 2021, 36, .	0.4	0
99	Source Discrimination of PAHs in Industrial Soil of the Persian Gulf Coast. , 2014, , 203-207.		0