Siwatt Pongpiachan

List of Publications by Year
in descending order

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69 papers	1,552 citations	218381 26 h-index	344852 36 g-index
70 all docs	70 docs citations	70 times ranked	1350 citing authors

#	Article	IF	Citations
1	Effects of Agricultural Waste Burning on PM2.5-Bound Polycyclic Aromatic Hydrocarbons, Carbonaceous Compositions, and Water-Soluble Ionic Species in the Ambient Air of Chiang-Mai, Thailand. Polycyclic Aromatic Compounds, 2022, 42, 749-770.	1.4	33
2	Discrimination of the geographical origins of rice based on polycyclic aromatic hydrocarbons. Environmental Geochemistry and Health, 2022, 44, 1619-1632.	1.8	6
3	Effects of PM2.5 and Meteorological Parameters on the Incidence Rates of Chronic Obstructive Pulmonary Disease (COPD) in the Upper Northern Region of Thailand. Aerosol Science and Engineering, 2022, 6, 223-230.	1.1	1
4	Emission factors of PM2.5-Bounded selected metals, organic carbon, elemental carbon, and water-soluble ionic species emitted from combustions of biomass materials for source Apportionmentâ€"A new database for 17 plant species. Atmospheric Pollution Research, 2022, 13, 101453.	1.8	6
5	An Application of Artificial Neural Network to Evaluate the Influence of Weather Conditions on the Variation of PM2.5-Bound Carbonaceous Compositions and Water-Soluble Ionic Species. Atmosphere, 2022, 13, 1042.	1.0	3
6	Influence of Fuel Type on Emission Profiles of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans from Industrial Boilers. Polycyclic Aromatic Compounds, 2021, 41, 498-510.	1.4	3
7	A 150-year record of black carbon (soot and char) and polycyclic aromatic compounds deposition in Lake Phayao, north Thailand. Environmental Pollution, 2021, 269, 116148.	3.7	13
8	Spatial distribution, sources and quantitative human health risk assessments of polycyclic aromatic hydrocarbons in urban and suburban soils of Chile. Environmental Geochemistry and Health, 2021, 43, 2851-2870.	1.8	12
9	Using Synchrotron Radiation X-ray Fluorescence (SRXRF) to Assess the Impacts of Shipping Emissions on the Variations of PM10-bound Elemental Species. Aerosol and Air Quality Research, 2021, 21, 210030.	0.9	12
10	An application of aromatic compounds as alternative tracers of tsunami backwash deposits. Heliyon, 2021, 7, e06883.	1.4	0
11	Relationship Between COVID-19-Infected Number and PM2.5 Level in Ambient Air of Bangkok, Thailand. Aerosol Science and Engineering, 2021, 5, 383-392.	1.1	5
12	Ecotoxicological risk and health risk characterization of polycyclic aromatic hydrocarbons (PAHs) in terrestrial soils of King George Island, Antarctica. Polar Science, 2021, 29, 100715.	0.5	14
13	Impacts of Biomass Burning in Peninsular Southeast Asia on PM_{2.5} Concentration and Ozone Formation in Southern China During Springtimeâ€"A Case Study. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034908.	1.2	14
14	Ambient PM2.5, polycyclic aromatic hydrocarbons and biomass burning tracer in Mae Sot District, western Thailand. Atmospheric Pollution Research, 2020, 11, 27-39.	1.8	20
15	Contributions of aerosol composition and sources to particulate optical properties in a southern coastal city of China. Atmospheric Research, 2020, 235, 104744.	1.8	15
16	Health risk assessment of polycyclic aromatic hydrocarbons in coastal soils of Koh Samed Island (Thailand) after the oil spill incident in 2013. Marine Pollution Bulletin, 2020, 150, 110736.	2.3	18
17	Source apportionment of polycyclic aromatic hydrocarbons in the terrestrial soils of King George Island, Antarctica. Journal of South American Earth Sciences, 2020, 104, 102832.	0.6	17
18	Spatio-temporal assessment and climatology of atmospheric organic carbon over Pakistan. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	3

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19	Arsenic distribution and metabolism genes abundance in Paddy soils from Punjab and Sindh provinces, Pakistan. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	14
20	Quantifying the contributions of local emissions and regional transport to elemental carbon in Thailand. Environmental Pollution, 2020, 262, 114272.	3.7	14
21	Impacts of PM2.5 sources on variations in particulate chemical compounds in ambient air of Bangkok, Thailand. Atmospheric Pollution Research, 2020, 11, 1657-1667.	1.8	67
22	Source identification of polycyclic aromatic hydrocarbons in terrestrial soils in Chile. Journal of South American Earth Sciences, 2020, 99, 102514.	0.6	21
23	Latitudinal Transects and Quantitative Ecological Risk Assessments of Polycyclic Aromatic Hydrocarbons in Terrestrial Soils of Pakistan and King George Island, Antarctica. Polycyclic Aromatic Compounds, 2020, , 1-20.	1.4	2
24	Long-range Transboundary Atmospheric Transport of Polycyclic Aromatic Hydrocarbons, Carbonaceous Compositions, and Water-soluble Ionic Species in Southern Thailand. Aerosol and Air Quality Research, 2020, 20, 1591-1606.	0.9	39
25	Data relating to spatial distribution of polycyclic aromatic hydrocarbons in terrestrial soils of Pakistan and King George Island, Antarctica. Data in Brief, 2019, 25, 104327.	0.5	2
26	Emission Characteristics of Primary Brown Carbon Absorption From Biomass and Coal Burning: Development of an Optical Emission Inventory for China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1879-1893.	1.2	62
27	Data relating to emissions of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) from industrial boilers. Data in Brief, 2019, 22, 286-295.	0.5	2
28	Data relating to carbonaceous components in Songkhla Lake sediments, Thailand. Data in Brief, 2019, 22, 1012-1017.	0.5	0
29	High Contribution of Secondary Brown Carbon to Aerosol Light Absorption in the Southeastern Margin of Tibetan Plateau. Geophysical Research Letters, 2019, 46, 4962-4970.	1.5	70
30	Cr(VI) reduction by an extracellular polymeric substance (EPS) produced from a strain of Pseudochrobactrum saccharolyticum. 3 Biotech, 2019, 9, 111.	1.1	23
31	Characteristics of PM2.5 at a High-Altitude Remote Site in the Southeastern Margin of the Tibetan Plateau in Premonsoon Season. Atmosphere, 2019, 10, 645.	1.0	10
32	Variables that influence stakeholder satisfaction with the creation of corporate images of Thailandâ€™s National Housing Authority. Journal of Human Behavior in the Social Environment, 2019, 29, 346-371.	1.1	1
33	Vertical profile of organic and elemental carbon in sediments of Songkhla Lake, Thailand. Limnology, 2019, 20, 203-214.	0.8	1
34	Enhanced light absorption due to the mixing state of black carbon in fresh biomass burning emissions. Atmospheric Environment, 2018, 180, 184-191.	1.9	22
35	Chemical characterization of polycyclic aromatic hydrocarbons (PAHs) in 2013 Rayong oil spill-affected coastal areas of Thailand. Environmental Pollution, 2018, 233, 992-1002.	3.7	46
36	Factors affecting stakeholderâ€™s levels of satisfaction with community partnership association in Rayong Province, Thailand. Journal of Human Behavior in the Social Environment, 2018, 28, 903-927.	1.1	4

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37	Hazard Quotients, Hazard Indexes, and Cancer Risks of Toxic Metals in PM10 during Firework Displays. Atmosphere, 2018, 9, 144.	1.0	31
38	Quantitative ecological risk assessment of inhabitants exposed to polycyclic aromatic hydrocarbons in terrestrial soils of King George Island, Antarctica. Polar Science, 2017, 11, 19-29.	0.5	30
39	Assessing human exposure to PM 10 -bound polycyclic aromatic hydrocarbons during fireworks displays. Atmospheric Pollution Research, 2017, 8, 816-827.	1.8	35
40	Variation in Day-of-Week and Seasonal Concentrations of Atmospheric PM2.5-Bound Metals and Associated Health Risks in Bangkok, Thailand. Archives of Environmental Contamination and Toxicology, 2017, 72, 364-379.	2.1	35
41	Effect of agricultural waste burning season on PM 2.5 -bound polycyclic aromatic hydrocarbon (PAH) levels in Northern Thailand. Atmospheric Pollution Research, 2017, 8, 1069-1080.	1.8	67
42	Assessment of selected metals in the ambient air PM10 in urban sites of Bangkok (Thailand). Environmental Science and Pollution Research, 2016, 23, 2948-2961.	2.7	38
43	Impacts of micro-emulsion system on polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) reduction from industrial boilers. Fuel, 2016, 172, 58-64.	3.4	8
44	Incremental Lifetime Cancer Risk of PM2.5 Bound Polycyclic Aromatic Hydrocarbons (PAHs) before and after the Wildland Fire Episode. Aerosol and Air Quality Research, 2016, 16, 2907-2919.	0.9	39
45	Assessment of Reliability when Using Diagnostic Binary Ratios of Polycyclic Aromatic Hydrocarbons in Ambient Air PM₁₀. Asian Pacific Journal of Cancer Prevention, 2016, 16, 8605-8611.	0.5	3
46	Effects of day-of-week trends and vehicle types on PM2.5-bounded carbonaceous compositions. Science of the Total Environment, 2015, 532, 484-494.	3.9	44
47	Enhanced PM10 bounded PAHs from shipping emissions. Atmospheric Environment, 2015, 108, 13-19.	1.9	43
48	Assessing risks to adults and preschool children posed by PM2.5-bound polycyclic aromatic hydrocarbons (PAHs) during a biomass burning episode in Northern Thailand. Science of the Total Environment, 2015, 508, 435-444.	3.9	93
49	A preliminary study of using polycyclic aromatic hydrocarbons as chemical tracers for traceability in soybean products. Food Control, 2015, 47, 392-400.	2.8	26
50	Hospital out-and-in-patients as Functions of Trace Gaseous Species and Other Meteorological Parameters in Chiang-Mai, Thailand. Aerosol and Air Quality Research, 2015, 15, 479-493.	0.9	29
51	Application of Binary Diagnostic Ratios of Polycyclic Aromatic Hydrocarbons for Identification of Tsunami 2004 Backwash Sediments in Khao Lak, Thailand. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	14
52	Diagnosis of liver cancer from blood sera using FTIR microspectroscopy: a preliminary study. Journal of Biophotonics, 2014, 7, 222-231.	1.1	44
53	Effects of Biomass and Agricultural Waste Burnings on Diurnal Variation and Vertical Distribution of OC/EC in Hat-Yai City, Thailand. Asian Journal of Applied Sciences, 2014, 7, 360-374.	0.4	15
54	Risk assessment of the presence of polycyclic aromatic hydrocarbons (PAHs) in coastal areas of Thailand affected by the 2004 tsunami. Marine Pollution Bulletin, 2013, 76, 370-378.	2.3	56

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55	Diurnal Variation, Vertical Distribution and Source Apportionment of Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) in Chiang-Mai, Thailand. Asian Pacific Journal of Cancer Prevention, 2013, 14, 1851-1863.	0.5	35
56	Vertical Distribution and Potential Risk of Particulate Polycyclic Aromatic Hydrocarbons in High Buildings of Bangkok, Thailand. Asian Pacific Journal of Cancer Prevention, 2013, 14, 1865-1877.	0.5	38
57	Temporal and Spatial Distribution of Particulate Carcinogens and Mutagens in Bangkok, Thailand. Asian Pacific Journal of Cancer Prevention, 2013, 14, 1879-1887.	0.5	33
58	Estimation of Gas-particle partitioning Coefficients (K_p) of Carcinogenic polycyclic Aromatic hydrocarbons in Carbonaceous Aerosols Collected at Chiang - Mai, Bangkok and hat-Yai, Thailand. Asian Pacific Journal of Cancer Prevention, 2013, 14, 2461-2476.	0.5	24
59	Fingerprint of Carcinogenic Semi-Volatile Organic Compounds (SVOCs) during Bonfire Night. Asian Pacific Journal of Cancer Prevention, 2013, 14, 3243-3254.	0.5	4
60	Chemical Characterisation of Organic Functional Group Compositions in PM_{2.5}Collected at Nine Administrative Provinces in Northern Thailand during the Haze Episode in 2013. Asian Pacific Journal of Cancer Prevention, 2013, 14, 3653-3661.	0.5	21
61	Parameters Influencing Sulfur Speciation in Environmental Samples Using Sulfur K-Edge X-Ray Absorption Near-Edge Structure. Journal of Analytical Methods in Chemistry, 2012, 2012, 1-12.	0.7	4
62	Diurnal Variation and Spatial Distribution Effects on Sulfur Speciation in Aerosol Samples as Assessed by X-Ray Absorption Near-Edge Structure (XANES). Journal of Analytical Methods in Chemistry, 2012, 2012, 1-10.	0.7	3
63	Using Polycyclic Aromatic Hydrocarbons (PAHs) as a chemical proxy to indicate Tsunami 2004 backwash in Khao Lak coastal area, Thailand. Natural Hazards and Earth System Sciences, 2012, 12, 1441-1451.	1.5	42
64	Effects of moisture content in quail litter on the physical characteristics after pelleting using a Siriwan Model machine. Animal Science Journal, 2012, 83, 350-357.	0.6	5
65	Inferences over the sources and processes affecting polycyclic aromatic hydrocarbons in the atmosphere derived from measured data. Science of the Total Environment, 2010, 408, 2387-2393.	3.9	45
66	Factors Affecting Sensitivity and Stability of Polycyclic Aromatic Hydrocarbons Determined by Gas Chromatography Quadrupole Ion Trap Mass Spectrometry. Analytical Letters, 2009, 42, 2106-2130.	1.0	34
67	Application of cloud point extraction for the determination of pyrene in natural water. Southeast Asian Journal of Tropical Medicine and Public Health, 2009, 40, 392-400.	1.0	8
68	Predictions of gas-particle partitioning coefficients (K(P)) of polycyclic aromatic hydrocarbons at various occupational environments of Songkhla Province, Thailand. Southeast Asian Journal of Tropical Medicine and Public Health, 2009, 40, 1377-94.	1.0	9
69	Can the improvement of individual well-being predict rural residents â€˜choice of green cooking energy consumption? -- Evidence from CFPS 2016. IOP Conference Series: Earth and Environmental Science, 0, 467, 012195.	0.2	0