

# Siwatt Pongpiachan

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Assessing risks to adults and preschool children posed by PM <sub>2.5</sub> -bound polycyclic aromatic hydrocarbons (PAHs) during a biomass burning episode in Northern Thailand. <i>Science of the Total Environment</i> , 2015, 508, 435-444.	3.9	93
2	High Contribution of Secondary Brown Carbon to Aerosol Light Absorption in the Southeastern Margin of Tibetan Plateau. <i>Geophysical Research Letters</i> , 2019, 46, 4962-4970.	1.5	70
3	Effect of agricultural waste burning season on PM <sub>2.5</sub> -bound polycyclic aromatic hydrocarbon (PAH) levels in Northern Thailand. <i>Atmospheric Pollution Research</i> , 2017, 8, 1069-1080.	1.8	67
4	Impacts of PM <sub>2.5</sub> sources on variations in particulate chemical compounds in ambient air of Bangkok, Thailand. <i>Atmospheric Pollution Research</i> , 2020, 11, 1657-1667.	1.8	67
5	Emission Characteristics of Primary Brown Carbon Absorption From Biomass and Coal Burning: Development of an Optical Emission Inventory for China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1879-1893.	1.2	62
6	Risk assessment of the presence of polycyclic aromatic hydrocarbons (PAHs) in coastal areas of Thailand affected by the 2004 tsunami. <i>Marine Pollution Bulletin</i> , 2013, 76, 370-378.	2.3	56
7	Chemical characterization of polycyclic aromatic hydrocarbons (PAHs) in 2013 Rayong oil spill-affected coastal areas of Thailand. <i>Environmental Pollution</i> , 2018, 233, 992-1002.	3.7	46
8	Inferences over the sources and processes affecting polycyclic aromatic hydrocarbons in the atmosphere derived from measured data. <i>Science of the Total Environment</i> , 2010, 408, 2387-2393.	3.9	45
9	Diagnosis of liver cancer from blood sera using FTIR microspectroscopy: a preliminary study. <i>Journal of Biophotonics</i> , 2014, 7, 222-231.	1.1	44
10	Effects of day-of-week trends and vehicle types on PM <sub>2.5</sub> -bounded carbonaceous compositions. <i>Science of the Total Environment</i> , 2015, 532, 484-494.	3.9	44
11	Enhanced PM <sub>10</sub> bounded PAHs from shipping emissions. <i>Atmospheric Environment</i> , 2015, 108, 13-19.	1.9	43
12	Using Polycyclic Aromatic Hydrocarbons (PAHs) as a chemical proxy to indicate Tsunami 2004 backwash in Khao Lak coastal area, Thailand. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 1441-1451.	1.5	42
13	Incremental Lifetime Cancer Risk of PM <sub>2.5</sub> Bound Polycyclic Aromatic Hydrocarbons (PAHs) before and after the Wildland Fire Episode. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2907-2919.	0.9	39
14	Long-range Transboundary Atmospheric Transport of Polycyclic Aromatic Hydrocarbons, Carbonaceous Compositions, and Water-soluble Ionic Species in Southern Thailand. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1591-1606.	0.9	39
15	Assessment of selected metals in the ambient air PM <sub>10</sub> in urban sites of Bangkok (Thailand). <i>Environmental Science and Pollution Research</i> , 2016, 23, 2948-2961.	2.7	38
16	Vertical Distribution and Potential Risk of Particulate Polycyclic Aromatic Hydrocarbons in High Buildings of Bangkok, Thailand. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 1865-1877.	0.5	38
17	Assessing human exposure to PM <sub>10</sub> -bound polycyclic aromatic hydrocarbons during fireworks displays. <i>Atmospheric Pollution Research</i> , 2017, 8, 816-827.	1.8	35
18	Variation in Day-of-Week and Seasonal Concentrations of Atmospheric PM <sub>2.5</sub> -Bound Metals and Associated Health Risks in Bangkok, Thailand. <i>Archives of Environmental Contamination and Toxicology</i> , 2017, 72, 364-379.	2.1	35

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19	Diurnal Variation, Vertical Distribution and Source Apportionment of Carcinogenic Polycyclic Aromatic Hydrocarbons (PAHs) in Chiang-Mai, Thailand. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 1851-1863.	0.5	35
20	Factors Affecting Sensitivity and Stability of Polycyclic Aromatic Hydrocarbons Determined by Gas Chromatography Quadrupole Ion Trap Mass Spectrometry. <i>Analytical Letters</i> , 2009, 42, 2106-2130.	1.0	34
21	Effects of Agricultural Waste Burning on PM <sub>2.5</sub> -Bound Polycyclic Aromatic Hydrocarbons, Carbonaceous Compositions, and Water-Soluble Ionic Species in the Ambient Air of Chiang-Mai, Thailand. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 749-770.	1.4	33
22	Temporal and Spatial Distribution of Particulate Carcinogens and Mutagens in Bangkok, Thailand. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 1879-1887.	0.5	33
23	Hazard Quotients, Hazard Indexes, and Cancer Risks of Toxic Metals in PM <sub>10</sub> during Firework Displays. <i>Atmosphere</i> , 2018, 9, 144.	1.0	31
24	Quantitative ecological risk assessment of inhabitants exposed to polycyclic aromatic hydrocarbons in terrestrial soils of King George Island, Antarctica. <i>Polar Science</i> , 2017, 11, 19-29.	0.5	30
25	Hospital out-and-in-patients as Functions of Trace Gaseous Species and Other Meteorological Parameters in Chiang-Mai, Thailand. <i>Aerosol and Air Quality Research</i> , 2015, 15, 479-493.	0.9	29
26	A preliminary study of using polycyclic aromatic hydrocarbons as chemical tracers for traceability in soybean products. <i>Food Control</i> , 2015, 47, 392-400.	2.8	26
27	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. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 2461-2476.	0.5	24
28	Cr(VI) reduction by an extracellular polymeric substance (EPS) produced from a strain of <i>Pseudochrobactrum saccharolyticum</i> . <i>3 Biotech</i> , 2019, 9, 111.	1.1	23
29	Enhanced light absorption due to the mixing state of black carbon in fresh biomass burning emissions. <i>Atmospheric Environment</i> , 2018, 180, 184-191.	1.9	22
30	Source identification of polycyclic aromatic hydrocarbons in terrestrial soils in Chile. <i>Journal of South American Earth Sciences</i> , 2020, 99, 102514.	0.6	21
31	Chemical Characterisation of Organic Functional Group Compositions in PM <sub>2.5</sub> Collected at Nine Administrative Provinces in Northern Thailand during the Haze Episode in 2013. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 3653-3661.	0.5	21
32	Ambient PM <sub>2.5</sub> , polycyclic aromatic hydrocarbons and biomass burning tracer in Mae Sot District, western Thailand. <i>Atmospheric Pollution Research</i> , 2020, 11, 27-39.	1.8	20
33	Health risk assessment of polycyclic aromatic hydrocarbons in coastal soils of Koh Samed Island (Thailand) after the oil spill incident in 2013. <i>Marine Pollution Bulletin</i> , 2020, 150, 110736.	2.3	18
34	Source apportionment of polycyclic aromatic hydrocarbons in the terrestrial soils of King George Island, Antarctica. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102832.	0.6	17
35	Contributions of aerosol composition and sources to particulate optical properties in a southern coastal city of China. <i>Atmospheric Research</i> , 2020, 235, 104744.	1.8	15
36	Effects of Biomass and Agricultural Waste Burnings on Diurnal Variation and Vertical Distribution of OC/EC in Hat-Yai City, Thailand. <i>Asian Journal of Applied Sciences</i> , 2014, 7, 360-374.	0.4	15

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37	Application of Binary Diagnostic Ratios of Polycyclic Aromatic Hydrocarbons for Identification of Tsunami 2004 Backwash Sediments in Khao Lak, Thailand. <i>Scientific World Journal, The</i> , 2014, 2014, 1-14.	0.8	14
38	Arsenic distribution and metabolism genes abundance in Paddy soils from Punjab and Sindh provinces, Pakistan. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	14
39	Quantifying the contributions of local emissions and regional transport to elemental carbon in Thailand. <i>Environmental Pollution</i> , 2020, 262, 114272.	3.7	14
40	Ecotoxicological risk and health risk characterization of polycyclic aromatic hydrocarbons (PAHs) in terrestrial soils of King George Island, Antarctica. <i>Polar Science</i> , 2021, 29, 100715.	0.5	14
41	Impacts of Biomass Burning in Peninsular Southeast Asia on PM <sub>2.5</sub> Concentration and Ozone Formation in Southern China During Springtime—A Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034908.	1.2	14
42	A 150-year record of black carbon (soot and char) and polycyclic aromatic compounds deposition in Lake Phayao, north Thailand. <i>Environmental Pollution</i> , 2021, 269, 116148.	3.7	13
43	Spatial distribution, sources and quantitative human health risk assessments of polycyclic aromatic hydrocarbons in urban and suburban soils of Chile. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2851-2870.	1.8	12
44	Using Synchrotron Radiation X-ray Fluorescence (SRXRF) to Assess the Impacts of Shipping Emissions on the Variations of PM <sub>10</sub> -bound Elemental Species. <i>Aerosol and Air Quality Research</i> , 2021, 21, 210030.	0.9	12
45	Characteristics of PM <sub>2.5</sub> at a High-Altitude Remote Site in the Southeastern Margin of the Tibetan Plateau in Premonsoon Season. <i>Atmosphere</i> , 2019, 10, 645.	1.0	10
46	Predictions of gas-particle partitioning coefficients (K(P)) of polycyclic aromatic hydrocarbons at various occupational environments of Songkhla Province, Thailand. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2009, 40, 1377-94.	1.0	9
47	Impacts of micro-emulsion system on polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) reduction from industrial boilers. <i>Fuel</i> , 2016, 172, 58-64.	3.4	8
48	Application of cloud point extraction for the determination of pyrene in natural water. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2009, 40, 392-400.	1.0	8
49	Discrimination of the geographical origins of rice based on polycyclic aromatic hydrocarbons. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1619-1632.	1.8	6
50	Emission factors of PM <sub>2.5</sub> -Bounded selected metals, organic carbon, elemental carbon, and water-soluble ionic species emitted from combustions of biomass materials for source Apportionment—A new database for 17 plant species. <i>Atmospheric Pollution Research</i> , 2022, 13, 101453.	1.8	6
51	Effects of moisture content in quail litter on the physical characteristics after pelleting using a Siriwan Model machine. <i>Animal Science Journal</i> , 2012, 83, 350-357.	0.6	5
52	Relationship Between COVID-19-Infected Number and PM <sub>2.5</sub> Level in Ambient Air of Bangkok, Thailand. <i>Aerosol Science and Engineering</i> , 2021, 5, 383-392.	1.1	5
53	Parameters Influencing Sulfur Speciation in Environmental Samples Using Sulfur K-Edge X-Ray Absorption Near-Edge Structure. <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-12.	0.7	4
54	Factors affecting stakeholder's levels of satisfaction with community partnership association in Rayong Province, Thailand. <i>Journal of Human Behavior in the Social Environment</i> , 2018, 28, 903-927.	1.1	4

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55	Fingerprint of Carcinogenic Semi-Volatile Organic Compounds (SVOCs) during Bonfire Night. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 3243-3254.	0.5	4
56	Diurnal Variation and Spatial Distribution Effects on Sulfur Speciation in Aerosol Samples as Assessed by X-Ray Absorption Near-Edge Structure (XANES). <i>Journal of Analytical Methods in Chemistry</i> , 2012, 2012, 1-10.	0.7	3
57	Spatio-temporal assessment and climatology of atmospheric organic carbon over Pakistan. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	3
58	Influence of Fuel Type on Emission Profiles of Polychlorinated Dibenzo- <i>p</i> -Dioxins and Polychlorinated Dibenzofurans from Industrial Boilers. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 498-510.	1.4	3
59	Assessment of Reliability when Using Diagnostic Binary Ratios of Polycyclic Aromatic Hydrocarbons in Ambient Air PM <sub>10</sub> . <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 16, 8605-8611.	0.5	3
60	An Application of Artificial Neural Network to Evaluate the Influence of Weather Conditions on the Variation of PM <sub>2.5</sub> -Bound Carbonaceous Compositions and Water-Soluble Ionic Species. <i>Atmosphere</i> , 2022, 13, 1042.	1.0	3
61	Data relating to spatial distribution of polycyclic aromatic hydrocarbons in terrestrial soils of Pakistan and King George Island, Antarctica. <i>Data in Brief</i> , 2019, 25, 104327.	0.5	2
62	Data relating to emissions of polychlorinated dibenzo- <i>p</i> -dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) from industrial boilers. <i>Data in Brief</i> , 2019, 22, 286-295.	0.5	2
63	Latitudinal Transects and Quantitative Ecological Risk Assessments of Polycyclic Aromatic Hydrocarbons in Terrestrial Soils of Pakistan and King George Island, Antarctica. <i>Polycyclic Aromatic Compounds</i> , 2020, , 1-20.	1.4	2
64	Variables that influence stakeholder satisfaction with the creation of corporate images of Thailand's National Housing Authority. <i>Journal of Human Behavior in the Social Environment</i> , 2019, 29, 346-371.	1.1	1
65	Vertical profile of organic and elemental carbon in sediments of Songkhla Lake, Thailand. <i>Limnology</i> , 2019, 20, 203-214.	0.8	1
66	Effects of PM <sub>2.5</sub> and Meteorological Parameters on the Incidence Rates of Chronic Obstructive Pulmonary Disease (COPD) in the Upper Northern Region of Thailand. <i>Aerosol Science and Engineering</i> , 2022, 6, 223-230.	1.1	1
67	Data relating to carbonaceous components in Songkhla Lake sediments, Thailand. <i>Data in Brief</i> , 2019, 22, 1012-1017.	0.5	0
68	An application of aromatic compounds as alternative tracers of tsunami backwash deposits. <i>Heliyon</i> , 2021, 7, e06883.	1.4	0
69	Can the improvement of individual well-being predict rural residents' choice of green cooking energy consumption? – Evidence from CFPS 2016. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 467, 012195.	0.2	0