# Hiep Duc

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5582224/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 57 papers | 797 citations | 471061 17 h-index | 610482 24 g-index |
| 66 all docs | 66 docs citations | 66 times ranked | 958 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Study of Planetary Boundary Layer, Air Pollution, Air Quality Models and Aerosol Transport Using Ceilometers in New South Wales (NSW), Australia. Atmosphere, 2022, 13, 176. | 1.0 | 5 |
| 2 | An ensemble random forest tree with SVM, ANN, NBT, and LMT for landslide susceptibility mapping in the Rangit River watershed, India. Natural Hazards, 2022, 113, 1601-1633. | 1.6 | 19 |
| 3 | Spatio-temporal pattern of water quality in the Saigon-Dong Nai river system due to waste water pollution sources. International Journal of River Basin Management, 2021, 19, 221-243. | 1.5 | 7 |
| 4 | Dust Transport from Inland Australia and Its Impact on Air Quality and Health on the Eastern Coast of Australia during the February 2019 Dust Storm. Atmosphere, 2021, 12, 141. | 1.0 | 12 |
| 5 | The Summer 2019â€“2020 Wildfires in East Coast Australia and Their Impacts on Air Quality and Health in New South Wales, Australia. International Journal of Environmental Research and Public Health, 2021, 18, 3538. | 1.2 | 24 |
| 6 | The Effect of Lockdown Period during the COVID-19 Pandemic on Air Quality in Sydney Region, Australia. International Journal of Environmental Research and Public Health, 2021, 18, 3528. | 1.2 | 17 |
| 7 | Impact of biomass burnings in Southeast Asia on air quality and pollutant transport during the end of the 2019 dry season. Environmental Monitoring and Assessment, 2021, 193, 565. | 1.3 | 9 |
| 8 | Urban air pollution estimation using unscented Kalman filtered inverse modeling with scaled monitoring data. Sustainable Cities and Society, 2020, 54, 101970. | 5.1 | 14 |
| 9 | Poor Air Quality and Its Association with Mortality in Ho Chi Minh City: Case Study. Atmosphere, 2020, 11, 750. | 1.0 | 22 |
| 10 | Evaluation of Regional Air Quality Models over Sydney, Australia: Part 2, Comparison of PM2.5 and Ozone. Atmosphere, 2020, 11, 233. | 1.0 | 15 |
| 11 | Spatial-Temporal Pattern of Black Carbon (BC) Emission from Biomass Burning and Anthropogenic Sources in New South Wales and the Greater Metropolitan Region of Sydney, Australia. Atmosphere, 2020, 11, 570. | 1.0 | 13 |
| 12 | Modelling Hazardous Reduction Burnings and Bushfire Emission in Air Quality Model and Their Impacts on Health in the Greater Metropolitan Region of Sydney. Environmental Modeling and Assessment, 2020, 25, 705-730. | 1.2 | 10 |
| 13 | Innovations in creative education for tertiary sector in Australia: present and future challenges. Educational Philosophy and Theory, 2020, 52, 1149-1161. | 1.3 | 9 |
| 14 | Photochemical Smog Modelling Using the Air Pollution Chemical Transport Model (TAPM-CTM) in Ho Chi Minh City, Vietnam. Environmental Modeling and Assessment, 2019, 24, 295-310. | 1.2 | 13 |
| 15 | Evaluation of Regional Air Quality Models over Sydney and Australia: Part 1â€”Meteorological Model Comparison. Atmosphere, 2019, 10, 374. | 1.0 | 17 |
| 16 | Skill-Testing Chemical Transport Models across Contrasting Atmospheric Mixing States Using Radon-222. Atmosphere, 2019, 10, 25. | 1.0 | 28 |
| 17 | A Multidisciplinary Approach for Evaluating Spatial and Temporal Variations in Water Quality. Water (Switzerland), 2019, 11, 853. | 1.2 | 8 |
| 18 | Major Source Contributions to Ambient PM2.5 and Exposures within the New South Wales Greater Metropolitan Region. Atmosphere, 2019, 10, 138. | 1.0 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dust Storm Event of February 2019 in Central and East Coast of Australia and Evidence of Long-Range Transport to New Zealand and Antarctica. Atmosphere, 2019, 10, 653. | 1.0 | 19 |
| 20 | A Clean Air Plan for Sydney: An Overview of the Special Issue on Air Quality in New South Wales. Atmosphere, 2019, 10, 774. | 1.0 | 29 |
| 21 | Source Contributions to Ozone Formation in the New South Wales Greater Metropolitan Region, Australia. Atmosphere, 2018, 9, 443. | 1.0 | 9 |
| 22 | Hot Summers: Effect of Extreme Temperatures on Ozone in Sydney, Australia. Atmosphere, 2018, 9, 466. | 1.0 | 25 |
| 23 | Performance Evaluation of CCAM-CTM Regional Airshed Modelling for the New South Wales Greater Metropolitan Region. Atmosphere, 2018, 9, 486. | 1.0 | 13 |
| 24 | Influence of the Pacific and Indian Ocean climate drivers on the rainfall in Vietnam. International Journal of Climatology, 2018, 38, 5717-5732. | 1.5 | 10 |
| 25 | Smoke aerosols dispersion and transport from the 2013 New South Wales (Australia) bushfires. Environmental Monitoring and Assessment, 2018, 190, 428. | 1.3 | 15 |
| 26 | Estimation of Power Plant Emissions With Unscented Kalman Filter. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2763-2772. | 2.3 | 8 |
| 27 | Association of climate drivers with rainfall in New South Wales, Australia, using Bayesian Model Averaging. Theoretical and Applied Climatology, 2017, 127, 169-185. | 1.3 | 17 |
| 28 | Nematode morphometry and biomass in the Saigon River harbours in relation to antifouling contaminants. Nematology, 2017, 19, 723-738. | 0.2 | 0 |
| 29 | Inverse Air-Pollutant Emission and Prediction Using Extended Fractional Kalman Filtering. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 2051-2063. | 2.3 | 27 |
| 30 | Vehicular emissions prediction with CART-BMARS hybrid models. Transportation Research, Part D: Transport and Environment, 2016, 49, 188-202. | 3.2 | 14 |
| 31 | Modelling and prediction of air pollutant transport during the 2014 biomass burning and forest fires in peninsular Southeast Asia. Environmental Monitoring and Assessment, 2016, 188, 106. | 1.3 | 24 |
| 32 | Multivariate adaptive regression splines models for vehicular emission prediction. Visualization in Engineering, 2015, 3, . | 8.8 | 22 |
| 33 | Enhanced radial basis function neural networks for ozone level estimation. Neurocomputing, 2015, 155, 62-70. | 3.5 | 24 |
| 34 | The health benefits of reducing air pollution in Sydney, Australia. Environmental Research, 2015, 143, 19-25. | 3.7 | 85 |
| 35 | Toward sustainable energy usage in the power generation and construction sectorsâ€"a case study of Australia. Automation in Construction, 2015, 59, 122-127. | 4.8 | 33 |
| 36 | Predicting Carbon Monoxide Emissions with Multivariate Adaptive Regression Splines (MARS) and Artificial Neural Networks (ANNs). , 2015, , . | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Prediction of NOx Vehicular Emissions Using On-Board Measurement and Chassis Dynamometer Testing. , 2014, , . | | 1 |
| 38 | Modelling October 2013 Bushfire Pollution Episode in New South Wales, Australia. , 2014, , . | | 0 |
| 39 | Neural network-based meta-modelling approach for estimating spatial distribution of air pollutant levels. Applied Soft Computing Journal, 2013, 13, 4087-4096. | 4.1 | 30 |
| 40 | Background ozone level in the Sydney basin: assessment and trend analysis. International Journal of Climatology, 2013, 33, 2298-2308. | 1.5 | 15 |
| 41 | Environmental Time Series Analysis and Estimation with Extended Kalman Filtering. , 2013, , . | | 4 |
| 42 | CO<inf>2</inf> vehicular emission statistical analysis with instantaneous speed and acceleration as predictor variables. , 2013, , . | | 6 |
| 43 | New Sampling Scheme for Neural Network-Based Meta-Modelling with Application to Air Pollutant Estimation. , 2012, , . | | 0 |
| 44 | Reply to comment on â€˜Associations between air pollution and hospital visits for cardiovascular diseases in the elderly in Sydney using Bayesian statistical methodsâ€™. Australian and New Zealand Journal of Statistics, 2011, 53, 259-261. | 0.4 | 0 |
| 45 | A metamodel for background ozone level using radial basis function neural networks. , 2010, , . | | 5 |
| 46 | Adaptive Neural Network Metamodel for Short-Term Prediction of Background Ozone Level. , 2010, , . | | 1 |
| 47 | Radial Basis Function Neural Network Metamodelling for 2D Resistivity Mapping. , 2010, , . | | 1 |
| 48 | ASSOCIATIONS BETWEEN AIR POLLUTION AND HOSPITAL VISITS FOR CARDIOVASCULAR DISEASES IN THE ELDERLY IN SYDNEY USING BAYESIAN STATISTICAL METHODS. Australian and New Zealand Journal of Statistics, 2009, 51, 289-303. | 0.4 | 2 |
| 49 | Recent Trends in Ozone and Particle Concentrations in the Sydney (Australia) Airshed. American Journal of Environmental Sciences, 2008, 4, 454-461. | 0.3 | 3 |
| 50 | Efficient sampling schemes for Bayesian MARS models with many predictors. Statistics and Computing, 2005, 15, 93-101. | 0.8 | 8 |
| 51 | Modelling of Photochemical Smog. , 2002, , 361-382. | | 1 |
| 52 | Spatial distribution characteristics of some air pollutants in Sydney. Mathematics and Computers in Simulation, 2000, 54, 1-21. | 2.4 | 19 |
| 53 | A reactive state-space model for prediction of urban air pollution. Environmental Modelling and Software, 1998, 13, 239-246. | 1.9 | 8 |
| 54 | Modeling Anthropogenic Trends in Air Quality Data. Journal of the Air and Waste Management Association, 1997, 47, 66-71. | 0.9 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Spatial variability of sydney air quality by cumulative semivariogram. Atmospheric Environment, 1997, 31, 4073-4080. | 1.9 | 8 |
| 56 | Multicompartment models of cancer chemotherapy incorporating resistant cell populations. Journal of Pharmacokinetics and Pharmacodynamics, 1987, 15, 145-177. | 0.6 | 3 |
| 57 | A stochastic model of mutant growth due to mutation in tumors, based on stem cell considerations. Mathematical Biosciences, 1985, 74, 23-35. | 0.9 | 2 |