# Lianfa Li

List of Publications by Year
in descending order



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|---|---|---|---|
| 27 papers | 773 citations | 516710 16 h-index | 526287 27 g-index |
| 27 all docs | 27 docs citations | 27 times ranked | 1276 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Generating Fine-Scale Aerosol Data through Downscaling with an Artificial Neural Network Enhanced with Transfer Learning. Atmosphere, 2022, 13, 255. | 2.3 | 3 |
| 2 | Encoderâ€“Decoder Full Residual Deep Networks for Robust Regression and Spatiotemporal Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4217-4230. | 11.3 | 17 |
| 3 | Spatiotemporal estimation of satellite-borne and ground-level NO2 using full residual deep networks. Remote Sensing of Environment, 2021, 254, 112257. | 11.0 | 36 |
| 4 | High-Resolution Mapping of Aerosol Optical Depth and Ground Aerosol Coefficients for Mainland China. Remote Sensing, 2021, 13, 2324. | 4.0 | 4 |
| 5 | Geospatial constrained optimization to simulate and predict spatiotemporal trends of air pollutants. Spatial Statistics, 2021, 45, 100533. | 1.9 | 2 |
| 6 | Geographic Graph Network for Robust Inversion of Particulate Matters. Remote Sensing, 2021, 13, 4341. | 4.0 | 3 |
| 7 | Association between ambient air pollution and breast cancer risk: The multiethnic cohort study. International Journal of Cancer, 2020, 146, 699-711. | 5.1 | 60 |
| 8 | Spatiotemporal imputation of MAIAC AOD using deep learning with downscaling. Remote Sensing of Environment, 2020, 237, 111584. | 11.0 | 71 |
| 9 | Ensemble-based deep learning for estimating PM2.5 over California with multisource big data including wildfire smoke. Environment International, 2020, 145, 106143. | 10.0 | 48 |
| 10 | Multi-Scale Residual Deep Network for Semantic Segmentation of Buildings with Regularizer of Shape Representation. Remote Sensing, 2020, 12, 2932. | 4.0 | 13 |
| 11 | Exposure measurement error in air pollution studies: the impact of shared, multiplicative measurement error on epidemiological health risk estimates. Air Quality, Atmosphere and Health, 2020, 13, 631-643. | 3.3 | 7 |
| 12 | Optimal Inversion of Conversion Parameters from Satellite AOD to Ground Aerosol Extinction Coefficient Using Automatic Differentiation. Remote Sensing, 2020, 12, 492. | 4.0 | 3 |
| 13 | A Robust Deep Learning Approach for Spatiotemporal Estimation of Satellite AOD and PM2.5. Remote Sensing, 2020, 12, 264. | 4.0 | 33 |
| 14 | Geographically Weighted Machine Learning and Downscaling for High-Resolution Spatiotemporal Estimations of Wind Speed. Remote Sensing, 2019, 11, 1378. | 4.0 | 37 |
| 15 | Deep Residual Autoencoder with Multiscaling for Semantic Segmentation of Land-Use Images. Remote Sensing, 2019, 11, 2142. | 4.0 | 20 |
| 16 | Cluster-based bagging of constrained mixed-effects models for high spatiotemporal resolution nitrogen oxides prediction over large regions. Environment International, 2019, 128, 310-323. | 10.0 | 17 |
| 17 | Exposure measurement error in air pollution studies: A framework for assessing shared, multiplicative measurement error in ensemble learning estimates of nitrogen oxides. Environment International, 2019, 125, 97-106. | 10.0 | 11 |
| 18 | Estimation of PM2.5 concentrations at a high spatiotemporal resolution using constrained mixed-effect bagging models with MAIAC aerosol optical depth. Remote Sensing of Environment, 2018, 217, 573-586. | 11.0 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Constrained Mixed-Effect Models with Ensemble Learning for Prediction of Nitrogen Oxides Concentrations at High Spatiotemporal Resolution. Environmental Science & Technology, 2017, 51, 9920-9929. | 10.0 | 18 |
| 20 | An Ensemble Spatiotemporal Model for Predicting PM2.5 Concentrations. International Journal of Environmental Research and Public Health, 2017, 14, 549. | 2.6 | 26 |
| 21 | Low birth weight and air pollution in California: Which sources and components drive the risk?. Environment International, 2016, 92-93, 471-477. | 10.0 | 74 |
| 22 | Spatial variability of the effect of air pollution on term birth weight: evaluating influential factors using Bayesian hierarchical models. Environmental Health, 2016, 15, 14. | 4.0 | 17 |
| 23 | Sources and contents of air pollution affecting term low birth weight in Los Angeles County, California, 2001â€“2008. Environmental Research, 2014, 134, 488-495. | 7.5 | 103 |
| 24 | Modeling the Concentrations of On-Road Air Pollutants in Southern California. Environmental Science & Technology, 2013, 47, 9291-9299. | 10.0 | 44 |
| 25 | Estimating spatiotemporal variability of ambient air pollutant concentrations with a hierarchical model. Atmospheric Environment, 2013, 71, 54-63. | 4.1 | 31 |
| 26 | A spatial model to predict the incidence of neural tube defects. BMC Public Health, 2012, 12, 951. | 2.9 | 9 |
| 27 | Use of generalized additive models and cokriging of spatial residuals to improve land-use regression estimates of nitrogen oxides in Southern California. Atmospheric Environment, 2012, 55, 220-228. | 4.1 | 34 |