Lianfa Li

List of Publications by Year
in descending order

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	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
2	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
3	Spatiotemporal imputation of MAIAC AOD using deep learning with downscaling. Remote Sensing of Environment, 2020, 237, 111584.	11.0	71
4	Association between ambient air pollution and breast cancer risk: The multiethnic cohort study. International Journal of Cancer, 2020, 146, 699-711.	5.1	60
5	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
6	Modeling the Concentrations of On-Road Air Pollutants in Southern California. Environmental Science & Technology, 2013, 47, 9291-9299.	10.0	44
7	Geographically Weighted Machine Learning and Downscaling for High-Resolution Spatiotemporal Estimations of Wind Speed. Remote Sensing, 2019, 11, 1378.	4.0	37
8	Spatiotemporal estimation of satellite-borne and ground-level NO2 using full residual deep networks. Remote Sensing of Environment, 2021, 254, 112257.	11.0	36
9	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
10	A Robust Deep Learning Approach for Spatiotemporal Estimation of Satellite AOD and PM2.5. Remote Sensing, 2020, 12, 264.	4.0	33
11	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
12	Estimating spatiotemporal variability of ambient air pollutant concentrations with a hierarchical model. Atmospheric Environment, 2013, 71, 54-63.	4.1	31
13	An Ensemble Spatiotemporal Model for Predicting PM2.5 Concentrations. International Journal of Environmental Research and Public Health, 2017, 14, 549.	2.6	26
14	Deep Residual Autoencoder with Multiscaling for Semantic Segmentation of Land-Use Images. Remote Sensing, 2019, 11, 2142.	4.0	20
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	Multi-Scale Residual Deep Network for Semantic Segmentation of Buildings with Regularizer of Shape Representation. Remote Sensing, 2020, 12, 2932.	4.0	13
20	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
21	A spatial model to predict the incidence of neural tube defects. BMC Public Health, 2012, 12, 951.	2.9	9
22	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
23	High-Resolution Mapping of Aerosol Optical Depth and Ground Aerosol Coefficients for Mainland China. Remote Sensing, 2021, 13, 2324.	4.0	4
24	Optimal Inversion of Conversion Parameters from Satellite AOD to Ground Aerosol Extinction Coefficient Using Automatic Differentiation. Remote Sensing, 2020, 12, 492.	4.0	3
25	Geographic Graph Network for Robust Inversion of Particulate Matters. Remote Sensing, 2021, 13, 4341.	4.0	3
26	Generating Fine-Scale Aerosol Data through Downscaling with an Artificial Neural Network Enhanced with Transfer Learning. Atmosphere, 2022, 13, 255.	2.3	3
27	Geospatial constrained optimization to simulate and predict spatiotemporal trends of air pollutants. Spatial Statistics, 2021, 45, 100533.	1.9	2