

# Shi Kai

## List of Publications by Year in descending order

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18  
papers

272  
citations

1040056

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h-index

940533

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18  
docs citations

18  
times ranked

149  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A study of cross-correlations between PM <sub>2.5</sub> and O <sub>3</sub> based on Copula and Multifractal methods. <i>Physica A: Statistical Mechanics and its Applications</i> , 2022, 589, 126651.                                | 2.6 | 5         |
| 2  | The difference of multifractality of black carbon, NO <sub>x</sub> and CO at traffic site and its implications for air pollution sources. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 1715.              | 4.0 | 3         |
| 3  | Comparative analysis of contributions of wet deposition and photodegradation to the removal of atmospheric BaP by MF-DCCA. <i>Scientific Reports</i> , 2021, 11, 5515.  | 3.3 | 1         |
| 4  | Sensitivity analysis of O <sub>3</sub> formation to its precursors-Multifractal approach. <i>Atmospheric Environment</i> , 2021, 251, 118275.   | 4.1 | 19        |
| 5  | The multifractal evaluation of PM <sub>2.5</sub> -O <sub>3</sub> coordinated control capability in China. <i>Ecological Indicators</i> , 2021, 129, 107877.   | 6.3 | 24        |
| 6  | A review on methodology in O <sub>3</sub> -NO <sub>x</sub> -VOC sensitivity study. <i>Environmental Pollution</i> , 2021, 291, 118249.  | 7.5 | 46        |
| 7  | Response of air quality to short-duration high-strength human tourism activities at a natural scenic spot: a case study in Zhangjiajie, China. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 697.                       | 2.7 | 5         |
| 8  | Spatial-Temporal Variability of Land Surface Temperature Spatial Pattern: Multifractal Detrended Fluctuation Analysis. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 2010-2018. | 4.9 | 9         |
| 9  | Assessing the Wet Deposition Mechanism of Benzo(a)pyrene in the Atmosphere by MF-DCCA. <i>Atmosphere</i> , 2019, 10, 331.   | 2.3 | 3         |
| 10 | Role of PM <sub>2.5</sub> in the photodegradation of the atmospheric benzene. <i>Environmental Pollution</i> , 2019, 247, 447-456.  | 7.5 | 15        |
| 11 | Multifractal detrended cross-correlation analysis on NO <sub>2</sub> and O <sub>3</sub> . <i>Atmospheric Environment</i> , 2018, 188, 18-24.  | 2.6 | 28        |
| 12 | Coupling detrended fluctuation analysis of the relationship between O <sub>3</sub> and its precursors—a case study in Taiwan. <i>Atmospheric Environment</i> , 2018, 188, 18-24.  | 4.1 | 18        |
| 13 | LONG-TERM CORRELATIONS AND MULTIFRACTALITY OF TRAFFIC FLOW MEASURED BY GIS FOR CONGESTED AND FREE-FLOW ROADS. <i>Fractals</i> , 2016, 24, 1650012.  | 3.7 | 10        |
| 14 | Multifractal Processes and Self-Organized Criticality of PM <sub>2.5</sub> during a Typical Haze Period in Chengdu, China. <i>Aerosol and Air Quality Research</i> , 2015, 15, 926-934.   | 2.1 | 30        |
| 15 | Self-organized criticality of climate change. <i>Theoretical and Applied Climatology</i> , 2014, 115, 685-691.  | 2.8 | 23        |
| 16 | Time-scaling Differences between Poyang Lake Inlet and Outlet COD Series: Monofractal and Multifractal Aspects. , 2010, , .   |     | 0         |
| 17 | MONOFRACTAL AND MULTIFRACTAL SCALING ANALYSIS OF pH TIME SERIES FROM DONGTING LAKE INLET AND OUTLET. <i>Fractals</i> , 2010, 18, 309-317.   | 3.7 | 6         |
| 18 | Self-organized criticality of air pollution. <i>Atmospheric Environment</i> , 2009, 43, 3301-3304.  | 4.1 | 27        |