Coupling dynamics and chemistry in the air pollution m review

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Citation Report

#	Article	IF	CITATIONS
1	On the impact of the turbulent/non-turbulent interface on differential diffusion in a turbulent jet flow. Journal of Fluid Mechanics, 2016, 802, .	3.4	15
2	Modelling photochemical pollutants in a deep urban street canyon: Application of a coupled two-box model approximation. Atmospheric Environment, 2016, 143, 86-107.	4.1	11
3	Validation and optimization of SST k-ω turbulence model for pollutant dispersion within a building array. Atmospheric Environment, 2016, 145, 225-238.	4.1	71
4	Air pollution abatement performances of green infrastructure in open road and built-up street canyon environments – A review. Atmospheric Environment, 2017, 162, 71-86.	4.1	611
5	Large eddy simulation of reactive pollutants in a deep urban street canyon: Coupling dynamics with O3-NO -VOC chemistry. Environmental Pollution, 2017, 224, 171-184.	7.5	37
6	Thermal comfort in the historical urban canyon: the effect of innovative materials. Energy Procedia, 2017, 134, 151-160.	1.8	14
7	Simulations of the impacts of building height layout on air quality in natural-ventilated rooms around street canyons. Environmental Science and Pollution Research, 2017, 24, 23620-23635.	5.3	12
8	The impact of urban open space and â€`lift-up' building design on building intake fraction and daily pollutant exposure in idealized urban models. Science of the Total Environment, 2018, 633, 1314-1328.	8.0	79
9	Cross-sectional associations of objectively assessed neighbourhood attributes with depressive symptoms in older adults of an ultra-dense urban environment: the Hong Kong ALECS study. BMJ Open, 2018, 8, e020480.	1.9	12
10	A state of the art regarding urban air quality prediction models. E3S Web of Conferences, 2018, 32, 01010.	0.5	2
11	On the impact of innovative materials on outdoor thermal comfort of pedestrians in historical urban canyons. Renewable Energy, 2018, 118, 825-839.	8.9	81
13	CFD-Based Selection of Dispersion Plates. MATEC Web of Conferences, 2018, 232, 03047.	0.2	0
14	A Computational Fluid Dynamic (CFD) Simulation of PM10 Dispersion Caused by Rail Transit Construction Activity: A Real Urban Street Canyon Model. International Journal of Environmental Research and Public Health, 2018, 15, 482.	2.6	16
15	Roadside atmospheric pollution: still a serious environmental problem in Beijing, China. Air Quality, Atmosphere and Health, 2018, 11, 1203-1216.	3.3	9
16	Large-eddy simulation of reactive pollutant exchange at the top of a street canyon. Atmospheric Environment, 2018, 187, 381-389.	4.1	25
17	The impacts of viaduct settings and street aspect ratios on personal intake fraction in three-dimensional urban-like geometries. Building and Environment, 2018, 143, 138-162.	6.9	60
18	Tailored reduced kinetic mechanisms for atmospheric chemistry modeling. Atmospheric Environment, 2019, 213, 675-685.	4.1	4
19	Evaluation of an operational air quality model using large-eddy simulation. Atmospheric Environment: X, 2019, 3, 100041.	1.4	9

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20	Pseudo-simultaneous measurements for the spatial-temporal characteristics of accumulation and coarse mode particles near an urban viaduct within street canyons. Atmospheric Pollution Research, 2019, 10, 1643-1654.	3.8	6
21	Fully resolved scalar transport for high Prandtl number flows using adaptive mesh refinement. Chemical Engineering Science: X, 2019, 4, 100047.	1.5	4
23	Implementation of the sectional aerosol module SALSA2.0 into the PALM model system 6.0: model development and first evaluation. Geoscientific Model Development, 2019, 12, 1403-1422.	3.6	31
24	Characterisation of diesel vehicle emissions and determination of remote sensing cutpoints for diesel high-emitters. Environmental Pollution, 2019, 252, 31-38.	7.5	27
25	A new approach for inferring traffic-related air pollution: Use of radar-calibrated crowd-sourced traffic data. Environment International, 2019, 127, 142-159.	10.0	16
26	Objectively-Measured Neighbourhood Attributes as Correlates and Moderators of Quality of Life in Older Adults with Different Living Arrangements: The ALECS Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2019, 16, 876.	2.6	22
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30	To what extent does physical activity explain the associations between neighborhood environment and depressive symptoms in older adults living in an Asian metropolis?. Mental Health and Physical Activity, 2019, 16, 96-104.	1.8	11
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32	Exploration of sustainable building morphologies for effective passive pollutant dispersion within compact urban environments. Building and Environment, 2019, 148, 508-523.	6.9	32
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34	Development of the Real-time On-road Emission (ROE v1.0) model for street-scale air quality modeling based on dynamic traffic big data. Geoscientific Model Development, 2020, 13, 23-40.	3.6	17
35	The effect of turbulence induced by different kinds of moving vehicles in street canyons. Sustainable Cities and Society, 2020, 54, 102015.	10.4	19
36	Numerical investigations of reactive pollutant dispersion and personal exposure in 3D urban-like models. Building and Environment, 2020, 169, 106569.	6.9	17
37	Reduction of urban traffic–related particulate matter—leaf trait matters. Environmental Science and Pollution Research, 2020, 27, 5825-5844.	5.3	28
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40	Assessment of particulate matter levels and sources in a street canyon at Loures, Portugal – A case study of the REMEDIO project. Atmospheric Pollution Research, 2020, 11, 1857-1869.	3.8	6
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44	A numerical study for the assessment of air pollutant dispersion with chemical reactions from a thermal power plant. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 1035-1061.	3.1	27
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46	Dispersion behaviors of exhaust gases and nanoparticle of a passenger vehicle under simulated traffic light driving pattern. Science of the Total Environment, 2020, 740, 140090.	8.0	12
47	Study of flow characteristics in tunnels induced by canyon wind. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 202, 104236.	3.9	25
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54	NO depolluting performance of photocatalytic materials in an urban area - Part II: Assessment through Computational Fluid Dynamics simulations. Atmospheric Environment, 2021, 246, 118091.	4.1	7
55	Review on pollutant dispersion in urban areas-part A: Effects of mechanical factors and urban morphology. Building and Environment, 2021, 190, 107534.	6.9	35
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58	Effects of sunshields on vehicular pollutant dispersion and indoor air quality: Comparison between isothermal and nonisothermal conditions. Building and Environment, 2021, 197, 107854.	6.9	8
60	Simulation of O ₃ and NO _{<i>x</i>} in São Paulo street urban canyons with VEIN (v0.2.2) and MUNICH (v1.0). Geoscientific Model Development, 2021, 14, 3251-3268.	3.6	2
62	A review of strategies for mitigating roadside air pollution in urban street canyons. Environmental Pollution, 2021, 280, 116971.	7.5	94
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