

# Jiayu Li

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

905  
citations

567281

15  
h-index

713466

21  
g-index

21  
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21  
docs citations

21  
times ranked

1344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wrinkle-Free Single-Crystal Graphene Wafer Grown on Strain-Engineered Substrates. ACS Nano, 2017, 11, 12337-12345.	14.6	172
2	Surface Monocrystallization of Copper Foil for Fast Growth of Large Single-Crystal Graphene under Free Molecular Flow. Advanced Materials, 2016, 28, 8968-8974.	21.0	128
3	Surface Engineering of Copper Foils for Growing Centimeter-Sized Single-Crystalline Graphene. ACS Nano, 2016, 10, 2922-2929.	14.6	89
4	Nitrogen cluster doping for high-mobility/conductivity graphene films with millimeter-sized domains. Science Advances, 2019, 5, eaaw8337.	10.3	77
5	2D-PIV measurement of aircraft cabin air distribution with a high spatial resolution. Building and Environment, 2014, 82, 9-19.	6.9	75
6	Global airflow field distribution in a cabin mock-up measured via large-scale 2D-PIV. Building and Environment, 2015, 93, 234-244.	6.9	52
7	Copper-Containing Carbon Feedstock for Growing Superclean Graphene. Journal of the American Chemical Society, 2019, 141, 7670-7674.	13.7	47
8	Electron-Hole Symmetry Breaking in Charge Transport in Nitrogen-Doped Graphene. ACS Nano, 2017, 11, 4641-4650.	14.6	46
9	Low-Temperature and Rapid Growth of Large Single-Crystalline Graphene with Ethane. Small, 2018, 14, 1702916.	10.0	39
10	Experimental study of transient air distribution of a jet collision region in an aircraft cabin mock-up. Energy and Buildings, 2016, 127, 786-793.	6.7	32
11	Turbulence characterization of instantaneous airflow in an aisle of an aircraft cabin mockup. Building and Environment, 2017, 116, 207-217.	6.9	30
12	PIV methods for quantifying human thermal plumes in a cabin environment without ventilation. Journal of Visualization, 2017, 20, 535-548.	1.8	24
13	PIV experimental study of the large-scale dynamic airflow structures in an aircraft cabin: Swing and oscillation. Building and Environment, 2017, 125, 180-191.	6.9	22
14	Experimental study of human thermal plumes in a small space via large-scale TR PIV system. International Journal of Heat and Mass Transfer, 2018, 127, 970-980.	4.8	15
15	Experimental investigation of large-scale flow structures in an aircraft cabin mock-up. Building and Environment, 2020, 184, 107224.	6.9	15
16	Assessment of a confined thermal plume by PIV combined with POD analysis. Applied Thermal Engineering, 2021, 188, 116590.	6.0	8
17	Size-resolved splashed cooking oil droplets from 1 to 1000 $\mu$ m on surfaces: The impact of residential range hoods. Building and Environment, 2022, 210, 108705.	6.9	4
18	Charge transport and electron-hole asymmetry in low-mobility graphene/hexagonal boron nitride heterostructures. Journal of Applied Physics, 2018, 123, .	2.5	3

#	ARTICLE	IF	CITATIONS
19	Experimental research on the impact of annular airflow on the spraying flow field: A source control technology of paint mist. Building and Environment, 2022, 207, 108444.	6.9	3
20	The Innovation Ecological Model of Chinese Automotive Industry Based on Artificial Intelligence and Big Data Technology. Mathematical Problems in Engineering, 2022, 2022, 1-12.	1.1	3