

Jiayu Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

656
citations

14
h-index

21
g-index

21
ext. papers

782
ext. citations

9.1
avg, IF

3.6
L-index

#	Paper	IF	Citations
19	Wrinkle-Free Single-Crystal Graphene Wafer Grown on Strain-Engineered Substrates. <i>ACS Nano</i> , 2017 , 11, 12337-12345	16.7	112
18	Surface Monocrystallization of Copper Foil for Fast Growth of Large Single-Crystal Graphene under Free Molecular Flow. <i>Advanced Materials</i> , 2016 , 28, 8968-8974	24	110
17	Surface Engineering of Copper Foils for Growing Centimeter-Sized Single-Crystalline Graphene. <i>ACS Nano</i> , 2016 , 10, 2922-9	16.7	78
16	2D-PIV measurement of aircraft cabin air distribution with a high spatial resolution. <i>Building and Environment</i> , 2014 , 82, 9-19	6.5	59
15	Global airflow field distribution in a cabin mock-up measured via large-scale 2D-PIV. <i>Building and Environment</i> , 2015 , 93, 234-244	6.5	46
14	Nitrogen cluster doping for high-mobility/conductivity graphene films with millimeter-sized domains. <i>Science Advances</i> , 2019 , 5, eaaw8337	14.3	39
13	Electron-Hole Symmetry Breaking in Charge Transport in Nitrogen-Doped Graphene. <i>ACS Nano</i> , 2017 , 11, 4641-4650	16.7	31
12	Copper-Containing Carbon Feedstock for Growing Superclean Graphene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7670-7674	16.4	30
11	Low-Temperature and Rapid Growth of Large Single-Crystalline Graphene with Ethane. <i>Small</i> , 2018 , 14, 1702916	11	30
10	Experimental study of transient air distribution of a jet collision region in an aircraft cabin mock-up. <i>Energy and Buildings</i> , 2016 , 127, 786-793	7	28
9	Turbulence characterization of instantaneous airflow in an aisle of an aircraft cabin mockup. <i>Building and Environment</i> , 2017 , 116, 207-217	6.5	22
8	PIV experimental study of the large-scale dynamic airflow structures in an aircraft cabin: Swing and oscillation. <i>Building and Environment</i> , 2017 , 125, 180-191	6.5	16
7	PIV methods for quantifying human thermal plumes in a cabin environment without ventilation. <i>Journal of Visualization</i> , 2017 , 20, 535-548	1.6	14
6	Experimental investigation of large-scale flow structures in an aircraft cabin mock-up. <i>Building and Environment</i> , 2020 , 184, 107224	6.5	9
5	Experimental study of human thermal plumes in a small space via large-scale TR PIV system. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 970-980	4.9	8
4	Assessment of a confined thermal plume by PIV combined with POD analysis. <i>Applied Thermal Engineering</i> , 2021 , 188, 116590	5.8	4
3	Charge transport and electron-hole asymmetry in low-mobility graphene/hexagonal boron nitride heterostructures. <i>Journal of Applied Physics</i> , 2018 , 123, 064303	2.5	1

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| 2 | Experimental research on the impact of annular airflow on the spraying flow field: A source control technology of paint mist. <i>Building and Environment</i> , 2022 , 207, 108444 | 6.5 | 1 |
| 1 | Size-resolved splashed cooking oil droplets from 1 to 1000 μm on surfaces: The impact of residential range hoods. <i>Building and Environment</i> , 2022 , 210, 108705 | 6.5 | 0 |