

James E Johns

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

430
citations

1163117

8
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

998
citing authors

#	ARTICLE	IF	CITATIONS
1	Seed Crystal Homogeneity Controls Lateral and Vertical Heteroepitaxy of Monolayer MoS ₂ and WS ₂ . Journal of the American Chemical Society, 2015, 137, 14281-14287.	13.7	147
2	In-plane 2H _{1T} MoTe ₂ Homojunctions Synthesized by Flux-Controlled Phase Engineering. Advanced Materials, 2017, 29, 1605461.	21.0	97
3	MoTe ₂ Lateral Homojunction Field-Effect Transistors Fabricated using Flux-Controlled Phase Engineering. ACS Nano, 2019, 13, 8035-8046.	14.6	75
4	Negative Isotope Effect on Field-Effect Hole Transport in Fully Substituted ¹³ C-Rubrene. Advanced Electronic Materials, 2017, 3, 1700018.	5.1	32
5	Field Effect Modulation of Heterogeneous Charge Transfer Kinetics at Back-Gated Two-Dimensional MoS ₂ Electrodes. Nano Letters, 2017, 17, 7586-7592.	9.1	27
6	Aligned MoO ₂ /MoS ₂ and MoO ₂ /MoTe ₂ Freestanding Core/Shell Nanoplates Driven by Surface Interactions. Journal of Physical Chemistry Letters, 2017, 8, 1631-1636.	4.6	15
7	Mixed-Dimensional In-plane Heterostructures from 1D Mo ₆ Te ₆ and 2D MoTe ₂ Synthesized by Te-Flux-Controlled Chemical Vapor Deposition. Small, 2020, 16, e2002849.	10.0	15
8	Ultrathin One-Dimensional Molybdenum Telluride Quantum Wires Synthesized by Chemical Vapor Deposition. Chemistry of Materials, 2020, 32, 9650-9655.	6.7	12
9	Electron dynamics of the buffer layer and bilayer graphene on SiC. Applied Physics Letters, 2014, 104, .	3.3	6
10	Chemical defects control the exciton lifetime in CVD grown, few-layer MoTe ₂ . Electronic Structure, 2021, 3, 025001.	2.8	2