

# James E Johns

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/557123/publications.pdf>

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