

# James Hickman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8237598/publications.pdf>

Version: 2024-02-01

9  
papers

195  
citations

1307594

7  
h-index

1588992

8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

310  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of alloying on defect-free nanoparticles exhibiting softer but tougher behavior. Nature Communications, 2021, 12, 2515.	12.8	16
2	Thermal conductivity and its relation to atomic structure for symmetrical tilt grain boundaries in silicon. Physical Review Materials, 2020, 4, .	2.4	6
3	Development of a general-purpose machine-learning interatomic potential for aluminum by the physically informed neural network method. Physical Review Materials, 2020, 4, .	2.4	15
4	Thermal conductivity and its relation to atomic structure for symmetrical tilt grain boundaries in silicon. Physical Review Materials, 2020, 4, .	2.4	0
5	Nickel nanoparticles set a new record of strength. Nature Communications, 2018, 9, 4102.	12.8	74
6	Extra variable in grain boundary description. Physical Review Materials, 2017, 1, .	2.4	23
7	Temperature fluctuations in canonical systems: Insights from molecular dynamics simulations. Physical Review B, 2016, 94, .	3.2	28
8	Energy spectrum of a Langevin oscillator. Physical Review E, 2016, 94, 062151.	2.1	9
9	Disjoining potential and grain boundary premelting in binary alloys. Physical Review B, 2016, 93, .	3.2	24