

Kai Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/550188/publications.pdf>

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16
papers

1,029
citations

1162889

8
h-index

1058333

14
g-index

16
all docs

16
docs citations

16
times ranked

1813
citing authors

#	ARTICLE	IF	CITATIONS
1	General synthesis of two-dimensional van der Waals heterostructure arrays. <i>Nature</i> , 2020, 579, 368-374.	13.7	393
2	Patterned arrays of lateral heterojunctions within monolayer two-dimensional semiconductors. <i>Nature Communications</i> , 2015, 6, 7749.	5.8	213
3	A cost-effective and humidity-tolerant chloride solid electrolyte for lithium batteries. <i>Nature Communications</i> , 2021, 12, 4410.	5.8	141
4	A Supported Nickel Catalyst Stabilized by a Surface Digging Effect for Efficient Methane Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18388-18393.	7.2	69
5	Nanoporous Cu@Cu ₂ O hybrid arrays enable photo-assisted supercapacitor with enhanced capacities. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15691-15697.	5.2	66
6	Dynamic co-catalysis of Au single atoms and nanoporous Au for methane pyrolysis. <i>Nature Communications</i> , 2020, 11, 1919.	5.8	65
7	van der Waals epitaxial growth of ultrathin metallic NiSe nanosheets on WSe ₂ as high performance contacts for WSe ₂ transistors. <i>Nano Research</i> , 2019, 12, 1683-1689.	5.8	31
8	A Fluoride- κ -Conducting Solid Electrolyte with Both High Conductivity and Excellent Electrochemical Stability. <i>Small</i> , 2022, 18, e2104508.	5.2	19
9	Simple physical preparation of single copper atoms on amorphous carbon <i>via</i> Coulomb explosion. <i>Nanoscale</i> , 2019, 11, 7595-7599.	2.8	9
10	Vertical Stacking of Copper Sulfide Nanoparticles and Molybdenum Sulfide Nanosheets for Enhanced Nonlinear Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35835-35844.	4.0	7
11	Atomic-scale selectivity of hydrogen for storage sites in Pd nanoparticles at atmospheric pressure. <i>Nanoscale</i> , 2019, 11, 10198-10202.	2.8	7
12	Exponential surface melting of Cu nanoparticles observed by in-situ TEM. <i>Materials Characterization</i> , 2018, 145, 246-249.	1.9	6
13	Performance enhanced high-nickel lithium metal batteries through stable cathode and anode electrolyte interfaces. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2875-2883.	2.5	2
14	Anomalous detwinning in constrained Cu nanoparticles. <i>Nanoscale</i> , 2020, 12, 14831-14837.	2.8	1
15	Multilayer-by-multilayer surface melting of Cu(200). <i>Physical Review B</i> , 2018, 98, .	1.1	0
16	Complete surface reconstruction of nanoporous gold during CH ₄ pyrolysis. <i>Nanoscale</i> , 0, , .	2.8	0