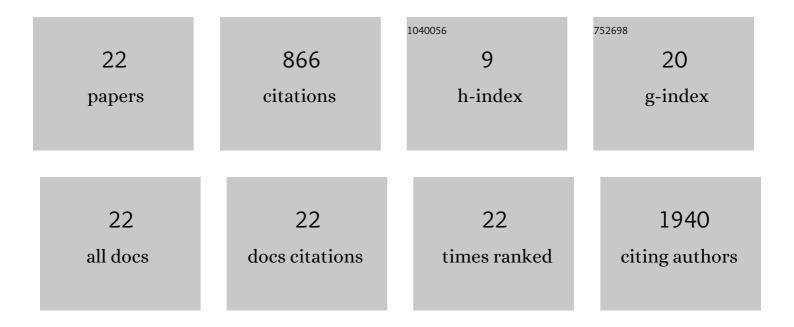
## Kunpeng Dou

List of Publications by Year in descending order

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Version: 2024-02-01



KUNDENC DOLL

#	Article	IF	CITATIONS
1	Higher-order anharmonicity leads to ultra-low thermal conductivity and high output power density of SnTe-based thermoelectric materials and modules. Materials Today Physics, 2022, 26, 100748.	6.0	9
2	Flexoelectricity Driven Fano Resonance in Slotted Carbon Nanotubes for Decoupled Multifunctional Sensing. Research, 2021, 2021, 9821905.	5.7	2
3	Band alignment in multilayered semiconductor homojunctions supported on metals. Journal of Materials Chemistry C, 2020, 8, 959-967.	5.5	15
4	Sr-Doped Cubic In <sub>2</sub> O <sub>3</sub> /Rhombohedral In <sub>2</sub> O <sub>3</sub> Homojunction Nanowires for Highly Sensitive and Selective Breath Ethanol Sensing: Experiment and DFT Simulation Studies. ACS Applied Materials & Interfaces, 2020, 12, 1270-1279.	8.0	58
5	Asymmetrically flexoelectric gating effect of Janus transition-metal dichalcogenides and their sensor applications. Journal of Materials Chemistry C, 2020, 8, 11457-11467.	5.5	15
6	Computational Studies on Structural and Electronic Properties of NiCo2S4 (001)/KOH Electrolyte Interface. Journal of Electronic Materials, 2019, 48, 6347-6353.	2.2	1
7	Probe Type II Band Alignment in One-Dimensional Van Der Waals Heterostructures Using First-Principles Calculations. Journal of Visualized Experiments, 2019, , .	0.3	0
8	Gate-Tunable Fano Resonances in Parallel-Polyacene-Bridged Carbon Nanotubes. Journal of Physical Chemistry C, 2019, 123, 4605-4609.	3.1	2
9	Robust staggered band alignment in one-dimensional van der Waals heterostructures: binary compound nanoribbons in nanotubes. Journal of Materials Chemistry C, 2019, 7, 3829-3836.	5.5	8
10	Nearly spherical CoP nanoparticle/carbon nanosheet hybrids: a high-performance trifunctional electrocatalyst for oxygen reduction and water splitting. RSC Advances, 2019, 9, 39951-39957.	3.6	22
11	Selective interface transparency in graphene nanoribbon based molecular junctions. Nanoscale, 2018, 10, 4861-4864.	5.6	7
12	Conductance switching of a phthalocyanine molecule on an insulating surface. Frontiers of Physics, 2017, 12, 1.	5.0	3
13	Dual response of graphene-based ultra-small molecular junctions to defect engineering. Nano Research, 2016, 9, 1480-1488.	10.4	10
14	Unusual thermal transport behavior in self-assembled fullerene nanorods. RSC Advances, 2016, 6, 67509-67513.	3.6	2
15	Conductance Superposition Rule in Carbon Nanowire Junctions with Parallel Paths. Journal of Physical Chemistry C, 2016, 120, 18939-18944.	3.1	11
16	Tailoring the transmission lineshape spectrum of zigzag graphene nanoribbon based heterojunctions via controlling their width and edge protrusions. Nanoscale, 2015, 7, 20003-20008.	5.6	11
17	Conductance of a Single Magnesium Porphine Molecule on an Insulating Surface. Journal of Physical Chemistry C, 2015, 119, 25129-25133.	3.1	1
18	MoSe <sub>2</sub> nanosheets and their graphene hybrids: synthesis, characterization and hydrogen evolution reaction studies. Journal of Materials Chemistry A, 2014, 2, 360-364.	10.3	564

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#	Article	IF	CITATIONS
19	Engineering of Facets, Band Structure, and Gasâ€Sensing Properties of Hierarchical Sn <sup>2+</sup> â€Doped SnO <sub>2</sub> Nanostructures. Advanced Functional Materials, 2013, 23, 4847-4853.	14.9	108
20	Electron Transport Suppression from Tipâ~"i€ State Interaction on Si(100)-2 × 1 Surfaces. Journal of Chemical Theory and Computation, 2011, 7, 707-712.	5.3	4
21	Intramolecular Torsion Based Molecular Switch Functionality Enhanced in π-Conjugated Oligomolecules by a π-Conjugated Pendant Group. Journal of Physical Chemistry C, 2011, 115, 13911-13918.	3.1	6
22	A revised mechanism of band gap evolution of TMDC nanotubes and its application to Janus TMDC nanotubes: negative electron and hole compressibility. Journal of Materials Chemistry C, 0, , .	5.5	7