

# Yingchun Ding

## List of Publications by Year in descending order

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16  
papers

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840776

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#	ARTICLE	IF	CITATIONS
1	Controllable Heterojunctions with a Semicoherent Phase Boundary Boosting the Potassium Storage of CoSe <sub>2</sub> /FeSe <sub>2</sub> . <i>Advanced Materials</i> , 2021, 33, e2102471.	21.0	142
2	Stability and reaction thermodynamics of boron-doped nitrogenated holey graphene (NHG) monolayers and their energy storage properties for Li, Na and K-ion batteries: A first principles investigation. <i>Applied Surface Science</i> , 2021, 559, 149849.	6.1	11
3	Controllable Heterojunctions with a Semicoherent Phase Boundary Boosting the Potassium Storage of CoSe <sub>2</sub> /FeSe <sub>2</sub> (Adv. Mater. 37/2021). <i>Advanced Materials</i> , 2021, 33, 2170288.	21.0	2
4	Organic 2,5-dihydroxy-1,4-benzoquinone potassium salt with ultrahigh initial coulombic efficiency for potassium-ion batteries. <i>Chemical Communications</i> , 2020, 56, 12234-12237.	4.1	25
5	Assessing electrochemical properties and diffusion dynamics of metal ions (Na, K, Ca, Mg, Al and Zn) on a C <sub>2</sub> N monolayer as an anode material for non-lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21208-21221.	2.8	30
6	Superior Thermoelectric Performance of Ordered Double Transition Metal MXenes: Cr <sub>2</sub> TiC <sub>2</sub> T <sub>2</sub> (T = $\tilde{O}$ H or $\tilde{F}$ ). <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5721-5728.	4.6	49
7	Evolution of the Structural, Mechanical, and Phonon Properties of GeSe Polymorphs in a Pressure-Induced Second-Order Phase Transition. <i>Materials</i> , 2019, 12, 3612.	2.9	7
8	Improved Transport Properties and Novel Li Diffusion Dynamics in van der Waals C <sub>2</sub> N/Graphene Heterostructure as Anode Materials for Lithium-Ion Batteries: A First-Principles Investigation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3353-3367.	3.1	43
9	Exploration work function and optical properties of monolayer SnSe allotropes. <i>Superlattices and Microstructures</i> , 2018, 114, 251-258.	3.1	57
10	Potassium terephthalate/graphene nanocomposite as advanced anode for low-cost Na-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018, 827, 145-150.	3.8	13
11	Alkali-metal-embedded in monolayer MoS <sub>2</sub> : optical properties and work functions. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	8
12	Thermoelectric properties of graphene nanoribbons with surface roughness. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	20
13	Adsorption of alkali-metal atoms on GaN nanowires photocathode. <i>Applied Surface Science</i> , 2017, 423, 829-835.	6.1	56
14	Elasticity, Hardness and Thermal Conductivity of Si-Ge-Based Oxynitrides (SiGeN <sub>2</sub> O). <i>Journal of Electronic Materials</i> , 2017, 46, 510-519.	2.2	2
15	Anisotropic elasticity, sound velocity and thermal conductivity of TiO <sub>2</sub> polymorphs from first principles calculations. <i>Computational Materials Science</i> , 2014, 82, 202-218.	3.0	41
16	Theoretical study on stability, mechanical properties and thermodynamic parameters of the orthorhombic-A <sub>2</sub> N <sub>2</sub> O (A=C, Si and Ge). <i>Physica B: Condensed Matter</i> , 2012, 407, 2190-2200.	2.7	14