# Rui-Ning Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3407124/publications.pdf

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| 27 | 490 | 932766 10 | 676716 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 27 | 27 | 27 | 818 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hole- and electron-injection driven phase transitions in transition metal dichalcogenides and beyond: A unified understanding. Physical Review B, 2022, 105, . | 1.1 | 10 |
| 2 | Spin-wave modes of elliptical skyrmions in magnetic nanodots. New Journal of Physics, 2022, 24, 043005. | 1.2 | 7 |
| 3 | Inverse design and high-throughput screening of TM-A (TM: Transition metal; A: O, S, Se) cathodes for chloride-ion batteries. Energy Storage Materials, 2022, 51, 80-87. | 9.5 | 7 |
| 4 | Quasi-bonding-induced gap states in metal/two-dimensional semiconductor junctions: Route for Schottky barrier height reduction. Physical Review B, 2022, 105, . | 1.1 | 11 |
| 5 | Spin-wave modes of magnetic bimerons in nanodots. New Journal of Physics, 2022, 24, 073013. | 1.2 | 3 |
| 6 | High-throughput screening of TMOCl cathode materials based on the full-cell system for chloride-ion batteries. Journal of Materials Chemistry A, 2021, 9, 23169-23177. | 5.2 | 9 |
| 7 | Efficient hydrogen production via sunlight-driven thermal formic acid decomposition over a porous film of molybdenum carbide. Journal of Materials Chemistry A, 2021, 9, 22481-22488. | 5.2 | 9 |
| 8 | Strain-driven phase transition and spin polarization of Re-doped transition-metal dichalcogenides. Physical Chemistry Chemical Physics, 2021, 23, 9962-9970. | 1.3 | 1 |
| 9 | Triple Functions of Ni(OH)<sub>2</sub> on the Surface of WN Nanowires Remarkably Promoting Electrocatalytic Activity in Full Water Splitting. ACS Catalysis, 2020, 10, 13323-13333. | 5.5 | 120 |
| 10 | Mechanical properties of 1T-, 1Tâ€²-, and 1H-MX2 monolayers and their 1H/1Tâ€²-MX2 (M = Mo, W and X = S, Se, Te) heterostructures. AIP Advances, 2019, 9, . | 0.6 | 13 |
| 11 | Thermoelectricity in B80-based single-molecule junctions: First-principles investigation. Frontiers of Physics, 2019, 14, 1. | 2.4 | 4 |
| 12 | High magnetoresistance in ultra-thin two-dimensional Cr-based MXenes. Nanoscale, 2018, 10, 19492-19497. | 2.8 | 26 |
| 13 | Controlled Fabrication of Hierarchically Structured NitrogenâEDoped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst. Advanced Functional Materials, 2017, 27, 1605717. | 7.8 | 80 |
| 14 | Variations of thermoelectric performance by electric fields in bilayer MX<sub>2</sub> (M = W, Mo; X) Tj ETQq0 0 0 rgBT /Overlock 10 T | 1.3 | 19 |
| 15 | Electrocatalyts: Controlled Fabrication of Hierarchically Structured NitrogenâEDoped Carbon Nanotubes as a Highly Active Bifunctional Oxygen Electrocatalyst (Adv. Funct. Mater. 9/2017). Advanced Functional Materials, 2017, 27, . | 7.8 | 1 |
| 16 | Ultrahigh power factors in P-type 1T-ZrX2 (Xâ€¯=â€¯S, Se) single layers. Science Bulletin, 2017, 62, 1530-1537. | 4.3 | 25 |
| 17 | Strain Modulation of Electronic and Heat Transport Properties of Bilayer Boronitrene. International Journal of Thermophysics, 2017, 38, 1. | 1.0 | 2 |
| 18 | Impact of contact couplings on thermoelectric properties of anti, Fano, and Breit-Wigner resonant junctions. Journal of Applied Physics, 2016, 120, 184303. | 1.1 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Intra- and inter-layer charge redistribution in biased bilayer graphene. AIP Advances, 2016, 6, . | 0.6 | 8 |
| 20 | Thermoelectric properties of fullerene-based junctions: a first-principles study. Physical Chemistry Chemical Physics, 2016, 18, 28117-28124. | 1.3 | 4 |
| 21 | Strain and electric field co-modulation of electronic properties of bilayer boronitrene. Journal of Physics Condensed Matter, 2016, 28, 055302. | 0.7 | 2 |
| 22 | Flatbands in 2D boroxine-linked covalent organic frameworks. Physical Chemistry Chemical Physics, 2016, 18, 1258-1264. | 1.3 | 25 |
| 23 | Topological insulator in tellurium-based perovskites. International Journal of Modern Physics B, 2015, 29, 1550073. | 1.0 | 2 |
| 24 | Negative magnetoresistance and spin filtering of spin-coupled di-iron-oxo clusters. Physical Review B, 2014, 89, . | 1.1 | 6 |
| 25 | First-Principles Analysis of Corrugations, Elastic Constants, and Electronic Properties in Strained Graphyne Nanoribbons. Journal of Physical Chemistry C, 2014, 118, 23328-23334. | 1.5 | 9 |
| 26 | Electrostatic Spin Crossover in a Molecular Junction of a Single-Molecule Magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 108, 017202. | 2.9 | 65 |
| 27 | Semiconductor-metal transition of titanium sesquioxide nanopowder. Journal of Applied Physics, 2012, 111, 123509. | 1.1 | 10 |