# Ke Fan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4292179/publications.pdf

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| 15 | 766 | 623734 | 940533 |
|---|---|---|---|
| papers | citations | 14 h-index | 16 g-index |

| 17 | 17 | 17 | 857 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Boosting the Redox Kinetics of Highâ€Voltage P2â€Type Cathode by Radially Oriented {010} Exposed Nanoplates for Highâ€Power Sodiumâ€Ion Batteries. Small Structures, 2022, 3, 2100123. | 12.0 | 29 |
| 2 | Tailoring Phase Purity in the 2D/3D Perovskite Heterostructures Using Lattice Mismatch. ACS Energy Letters, 2022, 7, 550-559. | 17.4 | 23 |
| 3 | Two-dimensional host materials for lithium-sulfur batteries: A review and perspective. Energy Storage Materials, 2022, 50, 696-717. | 18.0 | 26 |
| 4 | General flux-free synthesis of single crystal Ni-rich layered cathodes by employing a Li-containing spinel transition phase for lithium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 16420-16429. | 10.3 | 14 |
| 5 | Synergistic strain engineering of perovskite single crystals for highly stable and sensitive X-ray detectors with low-bias imaging and monitoring. Nature Photonics, 2022, 16, 575-581. | 31.4 | 138 |
| 6 | Unravelling the origin of bifunctional OER/ORR activity for single-atom catalysts supported on C<sub>2</sub>N by DFT and machine learning. Journal of Materials Chemistry A, 2021, 9, 16860-16867. | 10.3 | 93 |
| 7 | Nitride MXenes as sulfur hosts for thermodynamic and kinetic suppression of polysulfide shuttling: a computational study. Journal of Materials Chemistry A, 2021, 9, 25391-25398. | 10.3 | 37 |
| 8 | Theoretical Investigation of Monolayer RhTeCl Semiconductors as Photocatalysts for Water Splitting. Journal of Physical Chemistry C, 2020, 124, 639-646. | 3.1 | 18 |
| 9 | Transition metal-tetracyanoquinodimethane monolayers as single-atom catalysts for the electrocatalytic nitrogen reduction reaction. Materials Advances, 2020, 1, 1285-1292. | 5.4 | 20 |
| 10 | Unravelling the Mechanism of Ionic Fullerene Passivation for Efficient and Stable Methylammonium-Free Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 2015-2022. | 17.4 | 38 |
| 11 | Monolayer PC<sub>5</sub>/PC<sub>6</sub>: promising anode materials for lithium-ion batteries. Physical Chemistry Chemical Physics, 2020, 22, 16665-16671. | 2.8 | 24 |
| 12 | Theoretical Investigation of V<sub>3</sub>C<sub>2</sub> MXene as Prospective High-Capacity Anode Material for Metal-Ion (Li, Na, K, and Ca) Batteries. Journal of Physical Chemistry C, 2019, 123, 18207-18214. | 3.1 | 100 |
| 13 | Fiberâ€inâ€Tube Design of Co<sub>9</sub>S<sub>8</sub>â€Carbon/Co<sub>9</sub>S<sub>8</sub>: Enabling Efficient Sodium Storage. Angewandte Chemie, 2019, 131, 6305-6309. | 2.0 | 15 |
| 14 | Fiberâ€inâ€Tube Design of Co<sub>9</sub>S<sub>8</sub>â€Carbon/Co<sub>9</sub>S<sub>8</sub>: Enabling Efficient Sodium Storage. Angewandte Chemie - International Edition, 2019, 58, 6239-6243. | 13.8 | 137 |
| 15 | Predicting two-dimensional pentagonal transition metal monophosphides for efficient electrocatalytic nitrogen reduction. Journal of Materials Chemistry A, 2019, 7, 11444-11451. | 10.3 | 49 |