

Hongbin Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2441616/publications.pdf>

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9
papers

683
citations

1684188

5
h-index

1720034

7
g-index

9
all docs

9
docs citations

9
times ranked

941
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|------|-----------|
| 1 | Electrolyte design for LiF-rich solidâ€“electrolyte interfaces to enable high-performance micro-sized alloy anodes for batteries. <i>Nature Energy</i> , 2020, 5, 386-397. | 39.5 | 621 |
| 2 | Creating stable interfaces between reactive materials: titanium nitride protects photoabsorberâ€“catalyst interface in water-splitting photocathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2400-2411. | 10.3 | 25 |
| 3 | Probing free carrier plasmons in doped semiconductors using spatially resolved electron energy loss spectroscopy. <i>Physical Review B</i> , 2020, 102, . | 3.2 | 12 |
| 4 | Highly efficient and durable IIIâ€“V semiconductor-catalyst photocathodes <i>via</i> a transparent protection layer. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1437-1442. | 4.9 | 9 |
| 5 | Microwave-Enabled Incorporation of Single Atomic Cu Catalytic Sites in Holey Graphene: Unifying Structural Requirements of a Carbon Matrix for Simultaneous Achievement of High Activity and Long-Term Durability. <i>ACS Applied Energy Materials</i> , 2020, 3, 8266-8275. | 5.1 | 9 |
| 6 | Controlled Formation of Stacked Si Quantum Dots in Vertical SiGe Nanowires. <i>Nano Letters</i> , 2021, 21, 7905-7912. | 9.1 | 4 |
| 7 | Lowâ€“Loss Tunable Infrared Plasmons in the Highâ€“Mobility Perovskite (Ba,La)SnO₃. <i>Small</i> , 2022, 18, e2106897. | 10.0 | 3 |
| 8 | A new planar defect in SiGe nanopillars. <i>Microscopy and Microanalysis</i> , 2021, 27, 1948-1949. | 0.4 | 0 |
| 9 | Quantify doping efficiency at the nanoscale using monochromated STEM-EELS. <i>Microscopy and Microanalysis</i> , 2021, 27, 310-311. | 0.4 | 0 |