

# Hongbin Yang

## List of Publications by Year in descending order

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

Version: 2024-02-01

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 | Low-Loss Tunable Infrared Plasmons in the High-Mobility Perovskite (Ba,La)SnO <sub>3</sub> . Small, 2022, 18, e2106897.  | 10.0 | 3         |
| 2 | A new planar defect in SiGe nanopillars. Microscopy and Microanalysis, 2021, 27, 1948-1949.  | 0.4  | 0         |
| 3 | Quantify doping efficiency at the nanoscale using monochromated STEM-EELS. Microscopy and Microanalysis, 2021, 27, 310-311.  | 0.4  | 0         |
| 4 | Controlled Formation of Stacked Si Quantum Dots in Vertical SiGe Nanowires. Nano Letters, 2021, 21, 7905-7912.   | 9.1  | 4         |
| 5 | Highly efficient and durable III-V semiconductor-catalyst photocathodes <i>via</i> a transparent protection layer. Sustainable Energy and Fuels, 2020, 4, 1437-1442.   | 4.9  | 9         |
| 6 | 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. ACS Applied Energy Materials, 2020, 3, 8266-8275. | 5.1  | 9         |
| 7 | Probing free carrier plasmons in doped semiconductors using spatially resolved electron energy loss spectroscopy. Physical Review B, 2020, 102, .  | 3.2  | 12        |
| 8 | Electrolyte design for LiF-rich solid-electrolyte interfaces to enable high-performance micro-sized alloy anodes for batteries. Nature Energy, 2020, 5, 386-397.   | 39.5 | 621       |
| 9 | Creating stable interfaces between reactive materials: titanium nitride protects photoabsorber-catalyst interface in water-splitting photocathodes. Journal of Materials Chemistry A, 2019, 7, 2400-2411.  | 10.3 | 25        |