

# Tinghui Li

## List of Publications by Year in descending order

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19  
papers

429  
citations

1163117

8  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

712  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Strain-regulated electronic structure for hydrogen evolution reaction in Fe <sub>3</sub> S <sub>4</sub> monolayer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126368.                 | 2.1  | 3         |
| 2  | Magnetism in alkali-metal-doped wurtzite semiconductor materials controlled by strain engineering. Journal of Applied Physics, 2016, 120, 125101.  | 2.5  | 2         |
| 3  | Optical identification of oxygen vacancy types in SnO <sub>2</sub> nanocrystals. Applied Physics Letters, 2013, 102, .   | 3.3  | 65        |
| 4  | Enhanced Photocatalytic Oxygen Evolution by Crystal Cutting. Advanced Materials, 2013, 25, 2035-2039.  | 21.0 | 49        |
| 5  | Compositional dependence of Raman frequencies in Si <sub>x</sub> Ge <sub>1-x</sub> alloys. Journal of Semiconductors, 2012, 33, 112001.  | 3.7  | 5         |
| 6  | Electronic structure and optical properties of $\hat{\Gamma}^2$ -FeSi <sub>2</sub> (100)/Si(001) interface at high pressure. Applied Physics Letters, 2012, 101, 111909.   | 3.3  | 2         |
| 7  | Oxygen-vacancy and depth-dependent violet double-peak photoluminescence from ultrathin cuboid SnO <sub>2</sub> nanocrystals. Applied Physics Letters, 2012, 100, 121903.   | 3.3  | 45        |
| 8  | Identification of oxygen vacancy types from Raman spectra of SnO <sub>2</sub> nanocrystals. Journal of Raman Spectroscopy, 2012, 43, 1423-1426.  | 2.5  | 172       |
| 9  | Si <sup>16</sup> Si optical phonon behavior in localized Si clusters of Si <sub>x</sub> Ge <sub>1-x</sub> Alloy Nanocrystals. Applied Physics A: Materials Science and Processing, 2011, 103, 361-365.                     | 2.3  | 4         |
| 10 | Surface carbon layer and visible-light photocatalytic activities of carbon-coated TiO <sub>2</sub> nanotubes synthesized in organic electrolytes. Applied Physics A: Materials Science and Processing, 2011, 105, 703-707. | 2.3  | 7         |
| 11 | Morphology-dependent low-frequency Raman scattering in ultrathin spherical, cubic, and cuboid SnO <sub>2</sub> nanocrystals. Applied Physics Letters, 2011, 99, 251902.  | 3.3  | 7         |
| 12 | The physics network teaching system design and implementation based on constructivism. , 2011, , .   |      | 1         |
| 13 | Twinning Ge <sub>0.54</sub> Si <sub>0.46</sub> nanocrystal growth mechanism in amorphous SiO <sub>2</sub> films. Applied Physics Letters, 2010, 96, .  | 3.3  | 13        |
| 14 | Photoluminescence from colloids containing aluminum hydroxide nanocrystals with uniform size. Applied Physics Letters, 2010, 97, 121901.   | 3.3  | 10        |
| 15 | Ordered amorphous silicon nanoisland arrays and reflection spectral dependence on nanoisland geometrical parameters. Applied Physics Letters, 2009, 94, 151903.  | 3.3  | 8         |
| 16 | Raman investigation of oxidation mechanism of silicon nanowires. Applied Physics Letters, 2009, 95, .  | 3.3  | 14        |
| 17 | Damping of surface acoustic vibration induced by electrons trapped on SnO <sub>2</sub> nanocrystal surface. Applied Physics Letters, 2009, 95, 211903.   | 3.3  | 6         |
| 18 | Surface-polarization-induced formation of amorphous foliaceous SiO <sub>2</sub> helical nanobelts. Applied Physics Letters, 2009, 94, 253110.  | 3.3  | 5         |

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|----|--|-----|-----------|
| 19 | Influence of GeSi interfacial layer on Ge-Ge optical phonon mode in SiO <sub>2</sub> films embedded with Ge nanocrystals. Applied Physics Letters, 2009, 95, . | 3.3 | 11        |