# Jian-Ming Tang

List of Publications by Year
in descending order



| 32 | 968 | 516710 16 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 32 | 32 | 32 | 928 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lateral Standing of the Pentacene Derivative 5,6,7-Trithiapentacene-13-one on Gold: A Combined STM, DFT, and NC-AFM Study. Journal of Physical Chemistry C, 2018, 122, 11938-11944. | 3.1 | 2 |
| 2 | Collective resonances near zero energy induced by a point defect in bilayer graphene. Scientific Reports, 2018, 8, 10938. | 3.3 | 1 |
| 3 | The growth of sulfur adlayers on Au(100). Journal of Chemical Physics, 2015, 142, 064708. | 3.0 | 17 |
| 4 | Sharp organic interface of molecular C60 chains and a pentacene derivative SAM on Au(788): A combined STM & DFT study. Surface Science, 2013, 618, 78-82. | 1.9 | 9 |
| 5 | Magnetic anisotropy of single Mn acceptors in GaAs in an external magnetic field. Physical Review B, 2013, 88, . | 3.2 | 5 |
| 6 | Electron spin-phonon interaction symmetries and tunable spin relaxation in silicon and germanium. Physical Review B, 2012, 85, . | 3.2 | 49 |
| 7 | Highly Ordered Assembly of Single-Domain Dichloropentacene over Large Areas on Vicinal Gold Surfaces. ACS Nano, 2011, 5, 1792-1797. | 14.6 | 19 |
| 8 | Enhanced binding energy of manganese acceptors close to the GaAs(110) surface. Physical Review B, 2010, 82, . | 3.2 | 26 |
| 9 | Surface Induced Asymmetry of Acceptor Wave Functions. Physical Review Letters, 2010, 104, 086404. | 7.8 | 28 |
| 10 | Power-law singularity in the local density of states due to the point defect in graphene. Physical Review B, 2009, 80, . | 3.2 | 14 |
| 11 | High speed single dopant spin manipulation with a single electrical gate. , 2009, , . | | 0 |
| 12 | Optical and electrical manipulation of single ion spins in semiconductors. , 2009, , . | | 2 |
| 13 | Zero-field optical manipulation of magnetic ions in semiconductors. Nature Materials, 2008, 7, 203-208. | 27.5 | 67 |
| 14 | Atomically precise impurity identification and modification on the manganese doped GaAs(110) surface with scanning tunneling microscopy. Physical Review B, 2008, 78, . | 3.2 | 42 |
| 15 | Anisotropic spatial structure of deep acceptor states in GaAs and GaP. Physical Review B, 2008, 77, . | 3.2 | 21 |
| 16 | Atomic-layer-resolved bound states in quantum wells analyzed using a pseudopotential approach. Physical Review B, 2008, 78, . | 3.2 | 9 |
| 17 | Magnetic Circular Dichroism from the Impurity Band in III-V Diluted Magnetic Semiconductors. Physical Review Letters, 2008, 101, 157203. | 7.8 | 22 |
| 18 | Transition from Disorder to Order in Thin Metallic Films Studied with Angle-Resolved Photoelectron Spectroscopy. Physical Review Letters, 2008, 100, 027603. | 7.8 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Hole-mediated interactions of Mn acceptors on GaAs (110) (invited). Journal of Applied Physics, 2007, 101, 09G515. | 2.5 | 7 |
| 20 | Warping a single Mn acceptor wavefunction by straining the GaAs host. Nature Materials, 2007, 6, 512-515. | 27.5 | 65 |
| 21 | Atom-by-atom substitution of Mn in GaAs and visualization of their hole-mediated interactions. Nature, 2006, 442, 436-439. | 27.8 | 266 |
| 22 | All-Electrical Control of Single Ion Spins in a Semiconductor. Physical Review Letters, 2006, 97, 106803. | 7.8 | 47 |
| 23 | Spin-orientation-dependent spatial structure of a magnetic acceptor state in a zinc-blende semiconductor. Physical Review B, 2005, 72, . | 3.2 | 32 |
| 24 | Structure of excited vortices with higher angular momentum in Bose-Einstein condensates. Physical Review A, 2004, 70, . | 2.5 | 1 |
| 25 | Multiband Tight-Binding Model of Local Magnetism in Ga1-xMnxAs. Physical Review Letters, 2004, 92, 047201. | 7.8 | 98 |
| 26 | Impurity-induced low-energy resonances inBi2Sr2CaCu2O8+Î´. Physical Review B, 2004, 70, . | 3.2 | 13 |
| 27 | Bernsteinâ€“Greeneâ€“Kruskal solitary waves in three-dimensional magnetized plasma. Physical Review E, 2004, 69, 055401. | 2.1 | 52 |
| 28 | Van Hove features inBi2Sr2CaCu2O8+Î´and effective parameters for Ni impurities inferred from STM spectra. Physical Review B, 2002, 66, . | 3.2 | 23 |
| 29 | VARIATIONAL WAVE FUNCTIONS OF A VORTEX IN CYCLOTRON MOTION. International Journal of Modern Physics B, 2001, 15, 1601-1604. | 2.0 | 4 |
| 30 | The Structure of a Quantized Vortex in a Bose-Einstein Condensate. Journal of Low Temperature Physics, 2000, 121, 287-292. | 1.4 | 1 |
| 31 | VARIATIONAL WAVE FUNCTIONS OF A VORTEX IN CYCLOTRON MOTION. , 2000, , . | | 0 |
| 32 | Longitudinal force on a moving potential. Physical Review B, 1998, 58, 14179-14182. | 3.2 | 7 |