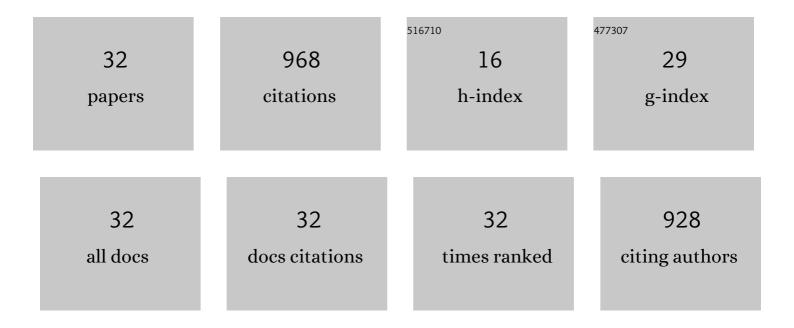
## Jian-Ming Tang

List of Publications by Year in descending order

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IIAN-MING TANG

#	Article	IF	CITATIONS
1	Atom-by-atom substitution of Mn in GaAs and visualization of their hole-mediated interactions. Nature, 2006, 442, 436-439.	27.8	266
2	Multiband Tight-Binding Model of Local Magnetism in Ga1-xMnxAs. Physical Review Letters, 2004, 92, 047201.	7.8	98
3	Zero-field optical manipulation of magnetic ions in semiconductors. Nature Materials, 2008, 7, 203-208.	27.5	67
4	Warping a single Mn acceptor wavefunction by straining the GaAs host. Nature Materials, 2007, 6, 512-515.	27.5	65
5	Bernstein–Greene–Kruskal solitary waves in three-dimensional magnetized plasma. Physical Review E, 2004, 69, 055401.	2.1	52
6	Electron spin-phonon interaction symmetries and tunable spin relaxation in silicon and germanium. Physical Review B, 2012, 85, .	3.2	49
7	All-Electrical Control of Single Ion Spins in a Semiconductor. Physical Review Letters, 2006, 97, 106803.	7.8	47
8	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
9	Spin-orientation-dependent spatial structure of a magnetic acceptor state in a zinc-blende semiconductor. Physical Review B, 2005, 72, .	3.2	32
10	Surface Induced Asymmetry of Acceptor Wave Functions. Physical Review Letters, 2010, 104, 086404.	7.8	28
11	Enhanced binding energy of manganese acceptors close to the GaAs(110) surface. Physical Review B, 2010, 82, .	3.2	26
12	Van Hove features inBi2Sr2CaCu2O8+Î′and effective parameters for Ni impurities inferred from STM spectra. Physical Review B, 2002, 66, .	3.2	23
13	Magnetic Circular Dichroism from the Impurity Band in III-V Diluted Magnetic Semiconductors. Physical Review Letters, 2008, 101, 157203.	7.8	22
14	Anisotropic spatial structure of deep acceptor states in GaAs and GaP. Physical Review B, 2008, 77, .	3.2	21
15	Transition from Disorder to Order in Thin Metallic Films Studied with Angle-Resolved Photoelectron Spectroscopy. Physical Review Letters, 2008, 100, 027603.	7.8	19
16	Highly Ordered Assembly of Single-Domain Dichloropentacene over Large Areas on Vicinal Gold Surfaces. ACS Nano, 2011, 5, 1792-1797.	14.6	19
17	The growth of sulfur adlayers on Au(100). Journal of Chemical Physics, 2015, 142, 064708.	3.0	17
18	Power-law singularity in the local density of states due to the point defect in graphene. Physical Review B. 2009. 80	3.2	14

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#	Article	IF	CITATIONS
19	Impurity-induced low-energy resonances inBi2Sr2CaCu2O8+δ. Physical Review B, 2004, 70, .	3.2	13
20	Atomic-layer-resolved bound states in quantum wells analyzed using a pseudopotential approach. Physical Review B, 2008, 78, .	3.2	9
21	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
22	Longitudinal force on a moving potential. Physical Review B, 1998, 58, 14179-14182.	3.2	7
23	Hole-mediated interactions of Mn acceptors on GaAs (110) (invited). Journal of Applied Physics, 2007, 101, 09C515.	2.5	7
24	Magnetic anisotropy of single Mn acceptors in GaAs in an external magnetic field. Physical Review B, 2013, 88, .	3.2	5
25	VARIATIONAL WAVE FUNCTIONS OF A VORTEX IN CYCLOTRON MOTION. International Journal of Modern Physics B, 2001, 15, 1601-1604.	2.0	4
26	Optical and electrical manipulation of single ion spins in semiconductors. , 2009, , .		2
27	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
28	The Structure of a Quantized Vortex in a Bose-Einstein Condensate. Journal of Low Temperature Physics, 2000, 121, 287-292.	1.4	1
29	Structure of excited vortices with higher angular momentum in Bose-Einstein condensates. Physical Review A, 2004, 70, .	2.5	1
30	Collective resonances near zero energy induced by a point defect in bilayer graphene. Scientific Reports, 2018, 8, 10938.	3.3	1
31	High speed single dopant spin manipulation with a single electrical gate. , 2009, , .		0
32	VARIATIONAL WAVE FUNCTIONS OF A VORTEX IN CYCLOTRON MOTION. , 2000, , .		0