

Alex A Schmidt

List of Publications by Year in descending order

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49
papers

510
citations

840776

11
h-index

677142

22
g-index

50
all docs

50
docs citations

50
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	A Database for Galaxy Evolution Modeling. Publications of the Astronomical Society of the Pacific, 1996, 108, 996.	3.1	156
2	Spin-glass freezing in Kondo-lattice compounds. Physical Review B, 2001, 63, .	3.2	47
3	Ages and metallicities of circumnuclear star formation regions from Gemini IFU observations. Astronomy and Astrophysics, 2008, 482, 59-65.	5.1	37
4	Spin glass and ferromagnetism in Kondo lattice compounds. European Physical Journal B, 2002, 30, 419-425.	1.5	25
5	Starbursts superimposed on old populations: spectral evolution of the composite system over 3×10^9 yr. Monthly Notices of the Royal Astronomical Society, 1990, 242, 241-249.	4.4	24
6	Population synthesis methods: discussion and tests on the solution uniqueness. Monthly Notices of the Royal Astronomical Society, 1991, 249, 766-778.	4.4	23
7	The Ising spin glass in a transverse field revisited. Results of two fermionic models. Physica A: Statistical Mechanics and Its Applications, 2002, 311, 498-506.	2.6	22
8	Solving a mixture model of two-phase flow with velocity non-equilibrium using WENO wavelet methods. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 2052-2071.	2.8	22
9	Spin glass and antiferromagnetism in Kondo-lattice disordered system. European Physical Journal B, 2003, 34, 447-453.	1.5	17
10	Aperture synthesis observations of W 51 at 151 MHz. Monthly Notices of the Royal Astronomical Society, 1991, 250, 127-132.	4.4	14
11	Superconducting critical temperature and the isotope exponent versus total electron concentration for two-band superconductors: Effect of the band structure. Physical Review B, 2003, 68, .	3.2	12
12	Structures in surface-brightness profiles of LMC and SMC star clusters: evidence of mergers?. Astronomy and Astrophysics, 2008, 485, 71-80.	5.1	12
13	Simulations of starburst spectral evolution superimposed on old populations: extension to dwarf ellipticals. Monthly Notices of the Royal Astronomical Society, 1995, 273, 945-957.	4.4	10
14	On the meaning of a minimization procedure applied to a degenerate astrophysical problem. Monthly Notices of the Royal Astronomical Society, 1989, 238, 925-934.	4.4	9
15	Wavelet transform with special boundary treatment for 1D data. Computational and Applied Mathematics, 2013, 32, 447-457.	1.3	9
16	Fermionic Heisenberg model for spin glasses with BCS pairing interaction. Physical Review B, 2000, 62, 11686-11693.	3.2	8
17	Tunable interaction between metal clusters and graphene. Physical Chemistry Chemical Physics, 2017, 19, 22153-22160.	2.8	8
18	BS 196: an old star cluster far from the Small Magellanic Cloud main body. Monthly Notices of the Royal Astronomical Society, 2008, 391, 915-921.	4.4	7

#	ARTICLE	IF	CITATIONS
19	Splitting Wavelet Method for Solving 2D Conservation Laws. , 2009, , .		6
20	Vanishing conductivity of quantum solitons in polyacetylene. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 055401.	2.1	5
21	A parallel wavelet adaptive WENO scheme for 2D conservation laws. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 1467-1486.	2.8	5
22	Two-band superconductivity in (AlMg)B ₂ : Critical temperature and isotope exponent as a function of carrier density. Physica C: Superconductivity and Its Applications, 2008, 468, 2299-2304.	1.2	4
23	A minimization procedure applied to population synthesis in galaxy nuclei using a star cluster library: M31, M32. Astrophysics and Space Science, 1989, 157, 79-87.	1.4	3
24	Critical Temperature and Isotope Exponent in a Two-band Model for Superconducting Fe-pnictides. Journal of Superconductivity and Novel Magnetism, 2009, 22, 539-542.	1.8	3
25	Two-Bands Superconductivity with Intra- and Interband Pairing for Synthetic Superlattices. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1213-1218.	1.8	3
26	Superconducting critical temperature, for s-wave symmetry order parameter, for intermediate correlated electron systems. Physica C: Superconductivity and Its Applications, 2001, 350, 88-96.	1.2	2
27	Evidence for a metallicâ€œlike state in the T=0 K phase diagram of a high temperature superconductor. European Physical Journal B, 2005, 46, 187-191.	1.5	2
28	The effect of a pseudogap on the superconducting critical temperature and on the superconducting order parameter of the same symmetry. Journal of Physics Condensed Matter, 2005, 17, 323-340.	1.8	2
29	A parallel splitting wavelet method for 2D conservation laws. AIP Conference Proceedings, 2016, , .	0.4	2
30	Towards parallel WENO wavelet methods for the simulation of compressible two-fluid models. AIP Conference Proceedings, 2022, , .	0.4	2
31	The primeval hadron and the Regge law. Astrophysics and Space Science, 1985, 113, 383-390.	1.4	1
32	EFFECT OF LOCAL CORRELATIONS ON s-WAVE SYMMETRY SUPERCONDUCTIVITY. International Journal of Modern Physics C, 2000, 11, 1149-1156.	1.7	1
33	A pseudogap model beyond BCS for the cuprates: the effect of order parameter symmetry, cutoff frequency and band structure. Journal of Physics Condensed Matter, 2006, 18, 11561-11575.	1.8	1
34	Superconductivity in Itinerant Ferromagnetic Systems. Journal of Superconductivity and Novel Magnetism, 2011, 24, 2091-2098.	1.8	1
35	Analysis of experimental data for two-band superconductors at $T \hat{=} T_c$ using the GL theory in the presence of a self-consistent vortex line. International Journal of Modern Physics B, 2015, 29, 1550150.	2.0	1
36	WENO wavelet method for a hyperbolic model of two-phase flow in conservative form. AIP Conference Proceedings, 2016, , .	0.4	1

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37	Superconductivity in an attractive two-band Hubbard model with second nearest neighbors. Physica C: Superconductivity and Its Applications, 2017, 535, 9-12.	1.2	1
38	Two-dimensional two-phase flow Riemann problem simulations using WENO wavelet methods. AIP Conference Proceedings, 2020, , .	0.4	1
39	The average density of the Universe and the Regge law. Astrophysics and Space Science, 1986, 127, 15-20.	1.4	0
40	Spectral evolution of bursts of star formation superimposed on old populations. Astrophysics and Space Science, 1989, 157, 103-109.	1.4	0
41	Spin glass phase in Kondo lattice systems. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 148-149.	2.3	0
42	Fermionic Heisenberg glasses with BCS pairing interaction. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 261-262.	2.3	0
43	The BCS-BC crossover phase diagram at $T = 0$ K for a d-wave superconductor: the importance of the Debye frequency and the tight binding band structure. Journal of Physics Condensed Matter, 2004, 16, 4495-4504.	1.8	0
44	Antiferromagnetism and spin glass in a Kondo lattice. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 48-49.	2.3	0
45	A d-wave pseudogap model beyond BCS for the cuprates. Physica B: Condensed Matter, 2006, 378-380, 461-462.	2.7	0
46	Superconductivity and the isotope exponent versus the number of carriers in a changing hopping triangular lattice. Superconductor Science and Technology, 2009, 22, 075027.	3.5	0
47	Astrophysical properties of binary star clusters in the Small Magellanic Cloud. Proceedings of the International Astronomical Union, 2009, 5, 533-536.	0.0	0
48	Multiresolution scheme for two-phase volcanic flows. AIP Conference Proceedings, 2019, , .	0.4	0
49	Tests and discussion on the solution uniqueness of population synthesis methods. , 1992, , 484-484.		0