

Andrei Savici

List of Publications by Year in descending order

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68
papers

3,631
citations

218677

26
h-index

128289

60
g-index

70
all docs

70
docs citations

70
times ranked

5089
citing authors

#	ARTICLE	IF	CITATIONS
1	Mantida Data analysis and visualization package for neutron scattering and $\frac{1}{4}$ SR experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 156-166.	1.6	1,257
2	Excitations in the field-induced quantum spin liquid state of $\hat{I}\pm$ -RuCl ₃ . Npj Quantum Materials, 2018, 3, .	5.2	254
3	From $(\hat{I}\epsilon,0)$ magnetic order to superconductivity with $(\hat{I}\epsilon,\hat{I}\epsilon)$ magnetic resonance in Fe _{1.02} Te _{1-x} Sex. Nature Materials, 2010, 9, 718-720.	27.5	248
4	Phase separation and suppression of critical dynamics at quantum phase transitions of MnSi and (Sr $\hat{I}\alpha^x$ Cax)RuO ₃ . Nature Physics, 2007, 3, 29-35.	16.7	150
5	Muon spin relaxation studies of incommensurate magnetism and superconductivity in stage-4La ₂ CuO _{4.11} and La _{1.88} Sr _{0.12} CuO ₄ . Physical Review B, 2002, 66, .	3.2	130
6	Superconducting state coexisting with a phase-separated static magnetic order in $\text{Ba}(\text{Mo},\text{Cu})\text{O}_7$. Physical Review B, 2009, 80, .	3.2	122
7	Effect of covalent bonding on magnetism and the missing neutron intensity in copper oxide compounds. Nature Physics, 2009, 5, 867-872.	16.7	112
8	Frustration-driven spin freezing in the S=1/2 fcc perovskite Sr ₂ MgReO ₆ . Physical Review B, 2003, 68, .	3.2	100
9	Site-dilution in the quasi-one-dimensional antiferromagnet Sr ₂ (Cu _{1-x} Pdx)O ₃ : Reduction of Néel temperature and spatial distribution of ordered moment sizes. Physical Review B, 2004, 70, .	3.2	64
10	Liquidlike correlations in single-crystalline Y _{1-x} Mo _x O ₆ . Physical Review B, 2002, 66, .	3.2	62
11	New magnetic phase diagram of (Sr,Ca) ₂ RuO ₄ . Nature Materials, 2012, 11, 323-328.	27.5	58
12	Tomonaga-Luttinger liquid behavior and spinon confinement in YbAlO ₃ . Nature Communications, 2019, 10, 698.	12.8	56
13	Muon Spin Relaxation and Susceptibility Studies of the Pure and Diluted Spin-1 Kagomé-Like Lattice System (Cu _x Zn _{1-x}) ₃ V ₂ O ₇ (OH) ₂ ·2H ₂ O. Physical Review Letters, 2003, 91, 207603.	7.8	54
14	Muon-spin-relaxation investigation of the spin dynamics of geometrically frustrated chromium spinels. Physical Review B, 2002, 66, .	3.2	51
15	Muon Spin Relaxation Studies of Magnetic-Field-Induced Effects in High-T _c Superconductors. Physical Review Letters, 2005, 95, 157001.	7.8	51
16	Friedel-Like Oscillations from Interstitial Iron in Superconducting $\text{Fe}_{1-x}\text{Co}_x\text{O}$. Physical Review Letters, 2012, 108, 107002.	7.8	51
17	Two-dimensional nature of superconductivity in the intercalated layered systems Li _x HfNCl and Li _x ZrNCl: Muon spin relaxation and magnetization measurements. Physical Review B, 2004, 69, .	3.2	47
18	Spin Pseudogap in Ni-Doped Sr _{2-x} CuO _{7-y} . Physical Review Letters, 2013, 111, 067204.	7.8	39

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37	Static magnetism in superconducting stage-4 $\text{La}_2\text{CuO}_{4+y}$ ($y=0.12$). <i>Physica B: Condensed Matter</i> , 2000, 289-290, 338-342.	2.7	15
38	Field Dependence of the Muon Spin Relaxation Rate in MnSi. <i>Physical Review Letters</i> , 2003, 90, 157201.	7.8	15
39	Absence of localized-spin magnetism in the narrow-gap semiconductor FeSb . <i>Physical Review B</i> , 2011, 83, 040407.	3.2	14
40	Manifolds of magnetic ordered states and excitations in the almost Heisenberg pyrochlore antiferromagnet MgCr_2O_4 . <i>Physical Review B</i> , 2018, 97, .	3.2	14
41	Magnetism and superconductivity in CeRhIn_5 heavy fermion materials. <i>Physica B: Condensed Matter</i> , 2003, 326, 390-393.	2.7	12
42	Muon spin rotation measurements of heterogeneous field response in overdoped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$. <i>Physical Review B</i> , 2010, 81, .	3.2	12
43	Tuning the magnetic ground state of a triangular lattice system $\text{Cu}(\text{Mn}_x\text{Cu}_{1-x})\text{O}_2$. <i>Physical Review B</i> , 2011, 83, .	3.2	12
44	Neutron scattering study of spin dynamics in superconducting $(\text{Tl,Rb})_2\text{Fe}_4\text{As}_8\text{O}_{20}$. <i>Physical Review B</i> , 2011, 83, .	3.2	12
45	Unconventional superconductivity in $(\text{TMTSF})_2\text{ClO}_4$. <i>Physica B: Condensed Matter</i> , 2003, 326, 378-380.	2.7	11
46	Muon spin rotation study of. <i>Physica B: Condensed Matter</i> , 2006, 374-375, 263-266.	2.7	11
47	Impurity-induced singlet breaking in $\text{SrCu}_2(\text{BO}_3)_2$. <i>Physical Review B</i> , 2007, 76, .	3.2	11
48	Study of the Ground State Properties of LiHoY_4 Using Muon Spin Relaxation. <i>Physical Review Letters</i> , 2010, 105, 107203.	7.8	11
49	Quasi-two-dimensional spin and phonon excitations in $\text{La}_{1.965}\text{Ba}_{0.035}\text{CuO}_4$. <i>Physical Review B</i> , 2015, 91, .	3.2	11
50	Spin-liquid-like state in pure and Mn-doped TbInO_3 with a nearly triangular lattice. <i>Physical Review B</i> , 2019, 100, .	3.2	10
51	Advances in utilizing event based data structures for neutron scattering experiments. <i>Review of Scientific Instruments</i> , 2018, 89, 093001.	1.3	9
52	study of the "anti-glass". <i>Physica B: Condensed Matter</i> , 2006, 374-375, 13-16.	2.7	8
53	Neutron scattering studies of spin-phonon hybridization and superconducting spin gaps in the high-temperature superconductor $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$. <i>Physical Review B</i> , 2011, 83, .	3.2	8
54	Quantification of localizing magnetism in rare-earth pyrogermanates $\text{Er}_2\text{Ge}_7\text{O}_{20}$ and $\text{Yb}_2\text{Ge}_7\text{O}_{20}$. <i>Physical Review B</i> , 2020, 101, .	3.2	8

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55	Spin dynamics in the two-dimensional spin system SrCu ₂ (BO ₃) ₂ . Physica B: Condensed Matter, 2003, 326, 446-449.	2.7	7
56	Muon spin relaxation in the spin-ring system Cu ₃ WO ₆ : Quasistatic spin freezing at 7.0 K. Physical Review B, 2002, 65, .	3.2	5
57	Fincher-Burke spin excitations and $\omega \propto T$ scaling in insulating La _{1.95} Sr _{0.05} CuO ₄ . Physical Review B, 2007, 76, .	3.2	5
58	Structural and magnetic properties in the quantum spin system Ba _{1-x} Sr _x Bi ₂ Se ₃ . Physical Review B, 2007, 76, .		