Stefan Riegg

List of Publications by Year
in descending order

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29	935	623574	477173
papers	citations	14	29
		h-index	g-index

30	30	30	1394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Impact of Additive Manufacturing Processes on the Microstructure and Magnetic Properties of Coâ€“Niâ€“Ga Shape Memory Heusler Alloys. Advanced Engineering Materials, 2022, 24, .	1.6	9
2	Design and Qualification of Prâ€“Feâ€“Cuâ€“B Alloys for the Additive Manufacturing of Permanent Magnets. Advanced Functional Materials, 2021, 31, 2102148.	7.8	19
3	Microstructure engineering of metamagnetic Ni-Mn-based Heusler compounds by Fe-doping: A roadmap towards excellent cyclic stability combined with large elastocaloric and magnetocaloric effects. Acta Materialia, 2021, 221, 117390.	3.8	30
4	Electronic correlations and crystal-field effects in RCu3Ru4O12 (R=La,ÂPr,ÂNd). Physical Review B, 2020, 102, .	1.1	1
5	Making a Cool Choice: The Materials Library of Magnetic Refrigeration. Advanced Energy Materials, 2019, 9, 1901322.	10.2	140
6	Ce and La as substitutes for Nd in Nd2Fe14B-based melt-spun alloys and hot-deformed magnets: a comparison of structural and magnetic properties. Journal of Magnetism and Magnetic Materials, 2019, 478, 198-205.	1.0	17
7	A Comparative Study on the Magnetocaloric Properties of Niâ€Mnâ€X(â€Co) Heusler Alloys. Physica Status Solidi (B): Basic Research, 2018, 255, 1700331.	0.7	45
8	Kondo-type behavior of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Ru</mml:mi></mml:mrow><mml:mrow><m in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LaCu</mml:mi><mml:mn>3</mml:mn></mm mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	5
9	Valence properties of Cu and Ru in titanium-substituted LnCu₃Ru₄O_{12+Î´} (Ln = La, Pr, Nd) investigated by XANES and TGA. Dalton Transactions, 2015, 44, 10852-10859.	1.6	21
10	Heavy fermions, metal-to-insulator transition, and quantum criticality in La y Cu3Ru x Ti4â^'x O12. European Physical Journal: Special Topics, 2015, 224, 1061-1086.	1.2	3
11	Fe/Ga-CFA-6 â€“ metal organic frameworks featuring trivalent metal centers and the 4,4â€²-bipyrazolyl ligand. CrystEngComm, 2015, 17, 313-322.	1.3	7
12	Magnetic and thermodynamic properties of the spin-dimer system<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>La</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:m mathvariant="normal">O</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>induced by Mn substitution. Physical Review B, 2014, 90, .	1.1	1
13	Synthesis, crystal structure, and valence states of Mn-substituted<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>La</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:m mathvariant="normal">O</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	1.1	2
14	Crystal structure and magnetic properties of Pr- and Ti-substituted La2RuO5. Materials Research Bulletin, 2013, 48, 4583-4589.	2.7	3
15	Bandgap tuning in SrTi(N,O,F)3 by anionic-lattice variation. Journal of Solid State Chemistry, 2013, 206, 226-232.	1.4	33
16	Problems with the thermogravimetric determination of oxygen stoichiometries inÂpure and rare-earth substituted La2RuO5. Solid State Sciences, 2013, 20, 97-102.	1.5	1
17	Suppression of Ru (S = 1) spin dimerization in La₂RuO₅ by Ti substitution. Journal of Physics Condensed Matter, 2013, 25, 126002.	0.7	4
18	Improved photoluminescence and afterglow of CaTiO_3:Pr^3+ by ammonia treatment. Optical Materials Express, 2013, 3, 248.	1.6	15

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19	Spin-singlet dimerization in La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:math>RuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub><mml:math>investigated using magnetic susceptibility and specific heat measurements. Physical Review B, 2012, 86, .	1.1	9
20	Dielectric signature of charge order in lanthanum nickelates. European Physical Journal B, 2012, 85, 1.	0.6	13
21	Spin-dimerization in rare-earth substituted La2RuO5. European Physical Journal B, 2012, 85, 1.	0.6	7
22	Single crystalline and rare earth substituted La2RuO5 investigated by x-ray diffraction and EXAFS spectroscopy. Journal of Solid State Chemistry, 2012, 188, 17-25.	1.4	9
23	On the magnetism of Ln2/3Cu3Ti4O12 (Ln = lanthanide). European Physical Journal B, 2011, 79, 391-400.	0.6	26
24	Synthesis, structure, and magnetic characterization of La2â^'xRxRuO5(R=Pr, Nd, Sm, Gd, Dy). Physical Review B, 2011, 84, .	1.1	9
25	Quantum Criticality in Transition-Metal Oxides. Journal of Low Temperature Physics, 2010, 161, 148-166.	0.6	23
26	Colossal dielectric constants: A common phenomenon in CaCu3Ti4O12 related materials. Solid State Communications, 2010, 150, 857-860.	0.9	59
27	Highly ordered, half-metallic Co2FeSi single crystals. Applied Physics Letters, 2009, 95, .	1.5	49
28	Colossal dielectric constants in transition-metal oxides. European Physical Journal: Special Topics, 2009, 180, 61-89.	1.2	359
29	Co-operative and frustration effects in novel perovskite-related phases. European Physical Journal: Special Topics, 2009, 180, 91-116.	1.2	16