Ping Chai

List of Publications by Year
in descending order

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17	587	933447	888059
papers	citations	10 h-index	17 g-index

27	27	27	961
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetocaloric Effect in AlFe₂B₂: Toward Magnetic Refrigerants from Earth-Abundant Elements. Journal of the American Chemical Society, 2013, 135, 9553-9557.	13.7	176
2	Preparation of One-Dimensional CoFe₂O₄ Nanostructures and Their Magnetic Properties. Journal of Physical Chemistry C, 2008, 112, 15171-15175.	3.1	126
3	Investigation of magnetic properties and electronic structure of layered-structure borides Al T 2 B 2 () Tj ETQq1 1 0.784314 rgBT /Ove	2.9	98
4	Tunable Synthesis, Growth Mechanism, and Magnetic Properties of La0.5Ba0.5MnO3. Crystal Growth and Design, 2007, 7, 2568-2575.	3.0	29
5	Challenges in the Search for Magnetic Coupling in 3d/4f Materials: Syntheses, Structures, and Magnetic Properties of the Lanthanide Copper Heterobimetallic Compounds, RE₂Cu(TeO₃)₂(SO₄)₂. Chemistry of Materials, 2014, 26, 2187-2194.	6.7	25
6	Precursor Routes to Complex Ternary Intermetallics: Single-Crystal and Microcrystalline Preparation of Clathrate-I Na₈Al₈Si₃₈ from NaSi + NaAlSi. Inorganic Chemistry, 2015, 54, 5316-5321.	4.0	21
7	Gold Derivatives of Eight Rare-Earth-Metal-Rich Tellurides: Monoclinic R7Au2Te2 and Orthorhombic R6AuTe2 Types. Inorganic Chemistry, 2012, 51, 3548-3556.	4.0	20
8	Structures and Physical Properties of n = 3 Ruddlesdenâ€“Popper Compounds Ca₄Mn_{3â^'x}Nb_xO₁₀ (0 â‰¤ x â‰¤ 0.2). Chemistry of Materials, 2008, 20, 1988-1996.	6.7	17
9	Synthesis, Structure, and Bonding of Orthorhombic R5Au2Te2(R = Lu, Ho, Dy, Y). Electronic Structure of the Binary Parent Valence Compound Eu5As4. Inorganic Chemistry, 2011, 50, 10949-10955.	4.0	14
10	Synthesis, Crystal Structure, and Magnetic Properties of Giant Unit Cell Intermetallics R117Co52+Î´Sn112+Î³ (R = Y, La, Pr, Nd, Ho). Crystals, 2016, 6, 165.	2.2	11
11	Two new compounds, Î²-ScTe and Y₃Au₂, and a reassessment of Y₂Au. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, i53-i55.	0.4	10
12	Synthesis, structure, and magnetic behavior of (LaxCe1â^'x)1.33Pt4Ga10 (0â©½xâ©½1). Journal of Alloys and Compounds, 2014, 600, 193-198.	5.5	8
13	Pr1.33Pt4Ga10: Superstructure and magnetism. Journal of Solid State Chemistry, 2014, 220, 9-16.	2.9	8
14	Complex magnetic phase diagram with multistep spin-flop transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.25</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.75</mml:mn></mml:mrow></mml:msub><mml:mi	3.2	8
15	RFe2Mg Al8â^' (R=Laâ€“Nd and Sm; xâ‰ˆ0.8): Flux synthesis, structure, magnetic and electrical properties. Journal of Solid State Chemistry, 2015, 229, 181-187.	2.9	6
16	Synthesis, crystal structure, and magnetism of A2Co12As7 (A=Ca, Y, Ceâ€“Yb). Journal of Solid State Chemistry, 2016, 236, 147-158.	2.9	6
17	Synthesis, structures and magnetic properties of n=3 Ruddlesdenâ€“Popper compounds Ca4Mn3â^'xTaxO10 (0â‰¤xâ‰¤0.3). Journal of Solid State Chemistry, 2010, 183, 676-683.	2.9	4