

Ping Chai

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Crystal magnetic phase diagram with multistep spin-flip transitions in $\text{La}_{1-x}\text{Pr}_x\text{MnO}_3$	3.2	8
2	Synthesis, Crystal Structure, and Magnetic Properties of Giant Unit Cell Intermetallics $\text{R}_{117}\text{Co}_{52}\text{Ir}_{112}\text{Pt}_{13}$ (R = Y, La, Pr, Nd, Ho). Crystals, 2016, 6, 165.	2.2	11
3	Synthesis, crystal structure, and magnetism of $\text{A}_2\text{Co}_{12}\text{As}_7$ (A=Ca, Y, Ce–Yb). Journal of Solid State Chemistry, 2016, 236, 147-158.	2.9	6
4	$\text{RFe}_2\text{MgAl}_8$ (R=La–Nd and Sm; $x \approx 0.8$): Flux synthesis, structure, magnetic and electrical properties. Journal of Solid State Chemistry, 2015, 229, 181-187.	2.9	6
5	Precursor Routes to Complex Ternary Intermetallics: Single-Crystal and Microcrystalline Preparation of Clathrate- $\text{I Na}_8\text{Al}_8\text{Si}_{38}$ from $\text{NaSi} + \text{NaAlSi}$. Inorganic Chemistry, 2015, 54, 5316-5321.	4.0	21
6	Investigation of magnetic properties and electronic structure of layered-structure borides $\text{Al}_2\text{B}_2\text{O}_7$	2.9	98
7	Synthesis, structure, and magnetic behavior of $(\text{La}_{1-x}\text{Ce}_x)_{1.33}\text{Pt}_4\text{Ga}_{10}$ ($0 \leq x \leq 1$). Journal of Alloys and Compounds, 2014, 600, 193-198.	5.5	8
8	$\text{Pr}_{1.33}\text{Pt}_4\text{Ga}_{10}$: Superstructure and magnetism. Journal of Solid State Chemistry, 2014, 220, 9-16.	2.9	8
9	Challenges in the Search for Magnetic Coupling in 3d/4f Materials: Syntheses, Structures, and Magnetic Properties of the Lanthanide Copper Heterobimetallic Compounds, $\text{RE}_2\text{Cu}(\text{TeO}_3)_2(\text{SO}_4)_2$. Chemistry of Materials, 2014, 26, 2187-2194.	6.7	25
10	Magnetocaloric Effect in AlFe_2B_2 : Toward Magnetic Refrigerants from Earth-Abundant Elements. Journal of the American Chemical Society, 2013, 135, 9553-9557.	13.7	176
11	Gold Derivatives of Eight Rare-Earth-Metal-Rich Tellurides: Monoclinic $\text{R}_7\text{Au}_2\text{Te}_2$ and Orthorhombic R_6AuTe_2 Types. Inorganic Chemistry, 2012, 51, 3548-3556.	4.0	20
12	Synthesis, Structure, and Bonding of Orthorhombic $\text{R}_5\text{Au}_2\text{Te}_2$ (R = Lu, Ho, Dy, Y). Electronic Structure of the Binary Parent Valence Compound Eu_5As_4 . Inorganic Chemistry, 2011, 50, 10949-10955.	4.0	14
13	Two new compounds, Y_3ScTe and Y_3Au_2 , and a reassessment of Y_2Au . Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, i53-i55.	0.4	10
14	Synthesis, structures and magnetic properties of $n=3$ Ruddlesden–Popper compounds $\text{Ca}_4\text{Mn}_3\text{TxO}_{10}$ ($0 \leq x \leq 0.3$). Journal of Solid State Chemistry, 2010, 183, 676-683.	2.9	4
15	Preparation of One-Dimensional CoFe_2O_4 Nanostructures and Their Magnetic Properties. Journal of Physical Chemistry C, 2008, 112, 15171-15175.	3.1	126
16	Structures and Physical Properties of $n=3$ Ruddlesden–Popper Compounds $\text{Ca}_4\text{Mn}_3\text{Nb}_x\text{O}_{10}$ ($0 \leq x \leq 0.2$). Chemistry of Materials, 2008, 20, 1988-1996.	6.7	17
17	Tunable Synthesis, Growth Mechanism, and Magnetic Properties of $\text{La}_{0.5}\text{Ba}_{0.5}\text{MnO}_3$. Crystal Growth and Design, 2007, 7, 2568-2575.	3.0	29