

Julia Y Chan

List of Publications by Year in descending order

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206
papers

4,980
citations

116194

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139680

61
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240
all docs

240
docs citations

240
times ranked

6159
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonsymmorphic symmetry-protected band crossings in a square-net metal PtPb ₄ . Npj Quantum Materials, 2022, 7, .	1.8	10
2	Investigating the A _{n+1} B _n X _{3n+1} Homologous Series: A New Platform for Studying Magnetic Praseodymium Based Intermetallics. ACS Omega, 2022, 7, 19048-19057.	1.6	2
3	Fantastic $n = 4$: Ce ₅ Co _{4+x} Ge ₁₃ Sn _y of the A _n M _n X _{3n+1} homologous series. Journal of Chemical Physics, 2021, 154, 114707.	1.2	3
4	Antiferromagnetic Order and Spin-Canting Transition in the Corrugated Square Net Compound Cu ₃ (TeO ₄)(SO ₄) ₂ H ₂ O. Inorganic Chemistry, 2021, 60, 10565-10571.	1.9	3
5	Evidence of a coupled electron-phonon liquid in NbGe ₂ . Nature Communications, 2021, 12, 5292.	5.8	8
6	Unconventional magnetic order emerging from competing energy scales in the new intermetallics (Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td) Physical Review Materials, 2021, 5, .	1.9	1
7	In Situ Methods for Metal-Flux Synthesis in Inert Environments. Chemistry of Materials, 2021, 33, 7657-7664.	3.2	6
8	Transport anomalies in the layered compound BaPt ₄ Se ₆ . Npj Quantum Materials, 2021, 6, .	1.8	1
9	It Runs in the BaAl ₄ Family: Relating the Structure and Properties of Middle Child Ln ₂ Co ₃ Ge ₅ (Ln = Pr, Nd, and Sm) to its Siblings LnCo ₂ Ge ₂ and LnCoGe ₃ . Inorganic Chemistry, 2021, 60, 15343-15350.	1.9	6
10	Magnetic field-induced non-trivial electronic topology in Fe ₃ GeTe ₂ . Applied Physics Reviews, 2021, 8, .	5.5	14
11	Accessing new magnetic regimes by tuning the ligand spin-orbit coupling in van der Waals magnets. Science Advances, 2020, 6, eabb9379.	4.7	42
12	Multiple Dirac nodes and symmetry protected Dirac nodal line in orthorhombic $\hat{I}\pm$ -RhSi. Physical Review B, 2020, 102, .	1.1	4
13	Refine Intervention: Characterizing Disordered Yb _{0.5} Co ₃ Ge ₃ . Crystal Growth and Design, 2020, 20, 6715-6721.	1.4	8
14	The Benefit of Leaving Your Synthetic Comfort Zone: Reactions in Uncommon Media. Inorganic Chemistry, 2020, 59, 17823-17825.	1.9	2
15	Crystal Structure and Electronic Properties of New Compound Zr _{6.5} Pt ₆ Se ₁₉ . Inorganic Chemistry, 2020, 59, 8196-8202.	1.9	0
16	High-temperature magnetic anomaly in the Kitaev hyperhoneycomb compound \hat{I}^2 Physical Review B, 2020, 101, .	1.1	1
17	One Ce, Two Ce, Three Ce, Four? An Intermetallic Homologous Series to Explore: A _{n+1} B _n X _{3n+1} . Chemistry of Materials, 2020, 32, 1575-1580.	3.2	12
18	Strongly correlated electron behavior in a new member of the homologous ser. Physical Review Materials, 2020, 4, .	1.9	1

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19	Structural investigation of the "triple-tetragonal-tungsten-bronze" phases $\text{Sr}_2\text{M}_2\text{O}_{10}$ ($\text{M} = \text{Nb, Ta}$). Polyhedron, 2019, 170, 359-363.	1.0	2
20	Band structure engineering of chemically tunable LnSbTe ($\text{Ln} = \text{La, Ce, Pr}$). APL Materials, 2019, 7, .	2.2	16
21	Synthesis and Structure of a Nonstoichiometric $\text{Zr}_{3.55}\text{Pt}_4\text{Sb}_4$ Compound. Inorganic Chemistry, 2019, 58, 12017-12024.	1.9	1
22	Origin of the butterfly magnetoresistance in a Dirac nodal-line system. Physical Review B, 2019, 100, .	1.1	13
23	Bulk Fermi surface of the Weyl type-II semimetallic candidate NbIrTe_4 . Physical Review B, 2019, 99, .	1.1	20
24	Law and Disorder: Special Stacking Units "Building the Intergrowth $\text{Ce}_6\text{Co}_5\text{Ge}_{16}$ ". Inorganic Chemistry, 2019, 58, 6037-6043.	1.9	11
25	The Role of Crystal Growth Conditions on the Magnetic Properties of $\text{Ln}_2\text{Fe}_4\text{Co}_x\text{Sb}_5$ ($\text{Ln} = \text{La and Ce}$). Inorganic Chemistry, 2019, 58, 6028-6036.	1.9	2
26	Fermi surface, possible unconventional fermions, and unusually robust resistive critical fields in the chiral-structured superconductor AuBe . Physical Review B, 2019, 99, .	1.1	21
27	Ferromagnetic ordering along the hard axis in the Kondo lattice $\text{Yb}_3\text{Mn}_3\text{O}_{10}$. Physical Review B, 2019, 99, .		
28	Low-carrier density and fragile magnetism in a Kondo lattice system. Physical Review B, 2019, 99, .	1.1	9
29	One-dimensional tellurium chains: Crystal structure and thermodynamic properties of PrCu_xTe_2 ($x \sim 1.0784314$). Physical Review B, 2019, 99, .	1.4	1
30	Emerging Investigators in Solid-State Inorganic Chemistry. Inorganic Chemistry, 2019, 58, 4-7.	1.9	2
31	Complex transport and magnetism in inhomogeneous mixed valence $\text{Ce}_3\text{Mn}_3\text{O}_{10}$. Physical Review Materials, 2019, 3, .		
32	Spin density wave instability in a ferromagnet. Scientific Reports, 2018, 8, 5225.	1.6	8
33	Effect of R-site element on crystalline phase and thermal stability of Fe substituted Mn mullite-type oxides: $\text{R}_2(\text{Mn}_{1-x}\text{Fe}_x)_4\text{O}_{10}$ ($\text{R} = \text{Y, Sm or Tj}$). Physical Review B, 2019, 99, .	1.1	1
34	Observation of a two-dimensional Fermi surface and Dirac dispersion in YbMnSb_2 . Physical Review B, 2018, 97, .	1.1	1
35	Casting a Wider Net: Rational Synthesis Design of Low-Dimensional Bulk Materials. Accounts of Chemical Research, 2018, 51, 12-20.	7.6	18
36	A local moment antiferromagnetic metal with extremely low ordering temperature. Physical Review B, 2018, 98, .	1.1	8

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37	Anomalous Metamagnetism in the Low Carrier Density Kondo Lattice <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>YbRh</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:math> Physical Review X, 2018, 8, .	2.8	12
38	Crystal Growth and Magnetic Properties of Pr₃Co₂x</sub>Ge₇ and the Sn-Stabilized Ln₃Co₂x</sub>Ge₇ (Ln = Pr, Nd). Tj ETQ 0 0 rBT /Overlo	1.4	9
39	Detailed study of the Fermi surfaces of the type-II Dirac semimetallic candidates <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow></mml:math> (<i>X</i> = Pd, Pt). Physical Review B, 2018, 97, .	1.1	19
40	The proof is in the powder: revealing structural peculiarities in the Yb₃Rh₄Sn₁₃ structure type. CrystEngComm, 2017, 19, 3381-3391.	1.3	23
41	The role of ceramic and glass science research in meeting societal challenges: Report from an <scp>NSF</scp>-sponsored workshop. Journal of the American Ceramic Society, 2017, 100, 1777-1803.	1.9	23
42	The single crystal structure determination of Ln₆MnSb₁₅ (Ln=La, Ce), Ln₆Mn^xZn_xSb₁₅ (x=0.5), and Ln₆ZnSb₁₅ (Ln=La-Pr). Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 583-591.	0.4	4
43	Subsurface Imaging of the Cores of Polymer-Encapsulated Cobalt Nanoparticles Using Force Modulation Microscopy. Journal of Physical Chemistry C, 2017, 121, 23498-23504.	1.5	2
44	Bulk Fermi surface of the Weyl type-II semimetallic candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î</mml:mi><mml:mo>^3</mml:mo></mml:mrow></mml:math> Physical Review B, 2017, 96, .	1.1	17
45	Fermi surface of the Weyl type-II metallic candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>WP</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2017, 96, .	1.1	16
46	Correlated states in Î ² -Li2IrO3 driven by applied magnetic fields. Nature Communications, 2017, 8, 961.	5.8	43
47	Structure and Oxidation States of Giant Unit Cell Compound Dy ₁₁₇₊ x Fe ₅₇ y Sn ₁₁₂ z. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 2038-2044.	0.6	2
48	(Invited) Nanoimprinted perovskite for optoelectronics. , 2017, , .		0
49	Corrosion behavior of zirconia in acidulated phosphate fluoride. Journal of Applied Oral Science, 2016, 24, 52-60.	0.7	15
50	Er _{1.33} Pt ₃ Ga ₈ : A modulated variant of the Er ₄ Pt ₉ Al ₂₄ -structure type. Journal of Solid State Chemistry, 2016, 242, 161-167.	1.4	2
51	Orientation of Organic Cations in Hybrid Inorganic-Organic Perovskite CH₃NH₃PbI₃ from Subatomic Resolution Single Crystal Neutron Diffraction Structural Studies. Crystal Growth and Design, 2016, 16, 2945-2951.	1.4	82
52	Learning and studying strategies used by general chemistry students with different affective characteristics. Chemistry Education Research and Practice, 2016, 17, 675-684.	1.4	32
53	Magnetic and crystallographic properties of ZrM ₂ Zn ₂₀₊ (M=Cr-Cu). Journal of Magnetism and Magnetic Materials, 2016, 416, 401-407.	1.0	5
54	Putting ScTGa ₅ (T = Fe, Co, Ni) on the Map: How Electron Counts and Chemical Pressure Shape the Stability Range of the HoCoGa ₅ Type. Crystal Growth and Design, 2016, 16, 5349-5358.	1.4	8

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55	Nanoimprinted Perovskite Nanograting Photodetector with Improved Efficiency. ACS Nano, 2016, 10, 10921-10928.	7.3	168
56	Thermal stability of mullite Mn_2O_5 ($\text{R} = \text{Bi, Y, Pr, Sm or Gd}$): combined density functional theory and experimental study. Journal of Physics Condensed Matter, 2016, 28, 125602.	0.7	17
57	Emergence of Magnetic States in $\text{Pr}_2\text{Fe}_4\text{CoSb}_5$ (1 < x < 2.5). Inorganic Chemistry, 2016, 55, 1946-1951.	1.9	4
58	In Vitro Evaluation of Titanium Exfoliation During Simulated Surgical Insertion of Dental Implants. Journal of Oral Implantology, 2016, 42, 34-40.	0.4	19
59	Structural stability and magnetic properties of LnM Ga_3 (Ln = Ho, Er; M = Fe, Co; $x \leq 0.2$). Polyhedron, 2016, 114, 56-61.	1.0	6
60	Intermediate valence to heavy fermion through a quantum phase transition in $\text{YbMn}_3\text{Mo}_2\text{O}_{10}$. Physical Review B, 2016, 93, .	1.1	18
61	Flux-mediated syntheses, structural characterization and low-temperature polymorphism of the p-type semiconductor $\text{Cu}_2\text{Ta}_4\text{O}_{11}$. Journal of Solid State Chemistry, 2016, 236, 10-18.	1.4	14
62	Synthesis and anisotropic properties of single crystalline $\text{Ln}_2\text{Ru}_3\text{Al}_{15+}$ (Ln=Gd, Tb). Journal of Solid State Chemistry, 2016, 236, 186-194.	1.4	1
63	Strategic Crystal Growth and Physical Properties of Single-Crystalline LnCo_2Al_8 (Ln = La, Nd, Sm, Yb). Crystal Growth and Design, 2015, 15, 3293-3298.	1.4	10
64	Effects of hydrostatic pressure on magnetostructural transitions and magnetocaloric properties in MnNiSi and FeCoGe . Journal of Applied Physics, 2015, 117, .	1.1	51
65	Hydrostatic pressure-induced modifications of structural transitions lead to large enhancements of magnetocaloric effects in MnNiSi -based systems. Physical Review B, 2015, 91, .	1.1	100
66	Synthesis, Structure, and Thermal Instability of the $\text{Cu}_2\text{Ta}_4\text{O}_{11}$ Phase. Crystal Growth and Design, 2015, 15, 552-558.	1.4	11
67	Targeting Calcium Magnesium Silicates for Polycaprolactone/Ceramic Composite Scaffolds. ACS Biomaterials Science and Engineering, 2015, 1, 94-102.	2.6	36
68	Targeted Crystal Growth of Rare Earth Intermetallics with Synergistic Magnetic and Electrical Properties: Structural Complexity to Simplicity. Accounts of Chemical Research, 2015, 48, 612-618.	7.6	39
69	Competing magnetic states, disorder, and the magnetic character of $\text{FeMn}_3\text{M}_2\text{O}_{10}$ ($M = \text{Co, Rh, Os}$) and $\text{Y}_3\text{T}_4\text{Ge}_{13}$ ($T = \text{Ir, Rh, Os}$). Chemistry of Materials, 2015, 27, 2488-2494.	3.2	29
70	Superconductivity in Single Crystals of $\text{Lu}_3\text{T}_4\text{Ge}_{13}$ ($T = \text{Co, Rh, Os}$) and $\text{Y}_3\text{T}_4\text{Ge}_{13}$ ($T = \text{Ir, Rh, Os}$). Chemistry of Materials, 2015, 27, 2488-2494.	3.2	29
71	Eutectoid Flux Growth and Physical Properties of Single Crystal $\text{Ln}_{117}\text{Ni}_{54}\text{Sn}_{112}$ ($\text{Ln} = \text{Gd, Dy}$). Crystal Growth and Design, 2015, 15, 295-304.	1.4	5
72	Investigation of Mn, Fe, and Ni Incorporation in CeCo_2Al_8 . Inorganic Chemistry, 2015, 54, 963-968.	1.9	8

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73	Characterization of novel akermanite:poly- μ -caprolactone scaffolds for human adipose-derived stem cells bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 389-404.	1.3	35
74	Realization of a three-dimensional spin- ϵ anisotropic harmonic honeycomb iridate. <i>Nature Communications</i> , 2014, 5, 4203.	5.8	230
75	<i>In vitro</i> human adipose-derived stromal/stem cells osteogenesis in akermanite:poly- ϵ -caprolactone scaffolds. <i>Journal of Biomaterials Applications</i> , 2014, 28, 998-1007.	1.2	8
76	Synthesis, structure, and magnetic behavior of $(\text{La}_x\text{Ce}_{1-x})_{1.33}\text{Pt}_4\text{Ga}_{10}$ ($0 \leq x \leq 1$). <i>Journal of Alloys and Compounds</i> , 2014, 600, 193-198.	2.8	8
77	Filling in the Holes: Structural and Magnetic Properties of the Chemical Pressure Stabilized LnMn_2Ga_3 ($\text{Ln} = \text{Ho-Tm}$; $x < 0.15$). <i>Chemistry of Materials</i> , 2014, 26, 1170-1179.	3.2	20
78	Magnetic, thermodynamic, and electrical transport properties of the noncentrosymmetric germanides MnGe and CoGe . <i>Physical Review B</i> , 2014, 90, .	1.8	42
79	Surface-Directed Synthesis of Erbium-Doped Yttrium Oxide Nanoparticles within Organosilane Zeptoliter Containers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15942-15949.	4.0	16
80	Substitution studies of Mn and Fe in $\text{Ln}_6\text{W}_4\text{Al}_3$ ($\text{Ln} = \text{Gd, Yb}$) and the structure of $\text{Yb}_6\text{Ti}_4\text{Al}_3$. <i>Journal of Solid State Chemistry</i> , 2014, 210, 267-274.	1.4	2
81	Celebrating Crystallography. <i>Chemical & Engineering News</i> , 2014, 92, 3.	0.2	0
82	Field-pulse memory in a spin-glass. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	12
83	Phase diagram and magnetocaloric effects in aluminum doped MnNiGe alloys. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	45
84	Investigation of Fe incorporation in $\text{LnCr}_2\text{Al}_2\text{O}$ ($\text{Ln} = \text{La, Gd, Yb}$) with ^{57}Fe Mössbauer and Single Crystal X-ray Diffraction. <i>Inorganic Chemistry</i> , 2013, 52, 5055-5062.	1.9	6
85	Vibrational Response of FeNi_3 Nanoparticles to the Flux of a Modulated Electromagnetic Field Detected by Contact-Mode Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18768-18776.	1.5	4
86	Magnetic and electrical properties of flux grown single crystals of $\text{Ln}_6\text{M}_4\text{Al}_3$ ($\text{Ln} = \text{Gd, Yb}$; $\text{M} = \text{Cr, Mo}$). <i>Journal of Applied Physics</i> , 2013, 114, 104301.	1.4	7
87	Structural Complexity Meets Transport and Magnetic Anisotropy in Single Crystalline $\text{Ln}_{30}\text{Ru}_4\text{Sn}_{31}$ ($\text{Ln} = \text{Gd, Dy}$). <i>Journal of the American Chemical Society</i> , 2013, 135, 2748-2758.	6.6	9
88	Synthesis, Structure, and Properties of $\text{Ln}_2\text{Ru}_3\text{Al}_{15}$ ($\text{Ln} = \text{Ce, Gd}$): Comparison with $\text{LnRu}_2\text{Al}_{10}$ and $\text{CeRu}_4(\text{Al,Si})_{15.58}$. <i>Inorganic Chemistry</i> , 2013, 52, 3198-3206.	1.9	8
89	Synthesis, Structure, and Magnetic and Electrical Properties of $\text{Yb}(\text{Mn,M})_x\text{Al}_{12-x}$ ($\text{M} = \text{Fe, Ru}$; $x \approx 2.5$) Phases. <i>Crystal Growth and Design</i> , 2013, 13, 1543-1550.	1.4	5
90	Thermoelectric properties of intermetallic semiconducting RuIn_3 and metallic IrIn_3 . <i>Journal of Applied Physics</i> , 2013, 113, 083709.	1.1	13

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91	study of the electronic structure of the metallic pyrochlore iridate Bi_2O_7	1.1	24
92	Magnetic and transport properties of single crystal $\text{LnRu}_2\text{Al}_{10}$ (Ln = Pr, Gd)	0.7	21
93	Magnetic order induced by Fe substitution of Al site in the heavy-fermion systems YbAlB_4	1.1	20
94	Structure and physical properties of single crystal $\text{PrCr}_2\text{Al}_2\text{O}$ and $\text{CeM}_2\text{Al}_2\text{O}$ (M=V, Cr): A comparison of compounds adopting the $\text{CeCr}_2\text{Al}_2\text{O}$ structure type. Journal of Solid State Chemistry, 2012, 196, 274-281.	1.4	61
95	Crystal growth and magnetic properties of Ln-Mn-Al (Ln=Gd, Yb) compounds of the $\text{CaCr}_2\text{Al}_{10}$ and ThMn_{12} structure types. Journal of Solid State Chemistry, 2012, 194, 143-150.	1.4	12
96	Crystal growth, structure, and physical properties of $\text{Ln}_2\text{PdGa}_{12}$ (Ln=La, Pr, Nd, and Sm). Journal of Alloys and Compounds, 2012, 514, 64-70.	2.8	3
97	Synthesis, magnetic, transport, and thermodynamic investigation of $\text{CeCo}(\text{Sb}, \text{Sn})_3$. Journal of Alloys and Compounds, 2012, 523, 176-181.	2.8	4
98	Single crystal growth by self-flux method of the mixed valence gold halides $\text{Cs}_2[\text{AuX}_2][\text{AuX}_4]$ (X=Br, I). Journal of Crystal Growth, 2012, 355, 13-16.	0.7	25
99	Discovery of Spin Glass Behavior in $\text{Ln}_2\text{Fe}_4\text{Sb}_5$ (Ln = La, Nd and Sm). Inorganic Chemistry, 2012, 51, 11412-11421.	1.9	12
100	Serendipitous growth of single crystals with silicon incorporation. Philosophical Magazine, 2012, 92, 2524-2540.	0.7	5
101	Probing the Lower Limit of Lattice Thermal Conductivity in an Ordered Extended Solid: $\text{Gd}_{117}\text{Co}_{56}\text{Sn}_{112}$, a Phonon Glass-Electron Crystal System. Journal of the American Chemical Society, 2012, 134, 5965-5973.	6.6	48
102	Crystal Growth, Structure, and Physical Properties of $\text{LnCu}_2(\text{Al}, \text{Si})_5$ (Ln = La)	0.7	1
103	Synthesis, Structure, and Physical Properties of $\text{Ln}(\text{Cu}, \text{Al}, \text{Ga})_{13}$ (Ln = La, Pr, and Eu) and $\text{Eu}(\text{Cu}, \text{Al})_{13}$. Inorganic Chemistry, 2012, 51, 10193-10202.	1.9	5
104	Adventures in Crystal Growth: Synthesis and Characterization of Single Crystals of Complex Intermetallic Compounds. Chemistry of Materials, 2012, 24, 409-420.	3.2	91
105	Characterization of Nrf1b, a Novel Isoform of the Nuclear Factor-Erythroid-2 Related Transcription Factor-1 That Activates Antioxidant Response Element-Regulated Genes. PLoS ONE, 2012, 7, e48404.	1.1	10
106	High-Resolution Synchrotron Studies and Magnetic Properties of Frustrated Antiferromagnets MAl_2S_4 (M = Mn^{2+} , Fe^{2+} , Co^{2+}). Chemistry of Materials, 2011, 23, 3086-3094.	3.2	13
107	Effect of chemical doping on the thermoelectric properties of FeGa_3 . Journal of Applied Physics, 2011, 109, .	1.1	36
108	Successive phase transitions and phase diagrams for the quasi-two-dimensional easy-axis triangular antiferromagnet $\text{Rb}_4\text{Mn}(\text{MoO}_4)_3$. Europhysics Letters, 2011, 94, 17001.	0.7	56

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109	Structure and Magnetism of the Quasi-1-d $K_4Cu(MoO_4)_3$ and the Structure of $K_4Zn(MoO_4)_3$. <i>Inorganic Chemistry</i> , 2011, 50, 8767-8773.	1.9	5
110	Low Temperature Magnetic Properties of $Pr(Cu,Ga)_{13}$ with Orbitally Degenerate Ground State. <i>Journal of the Physical Society of Japan</i> , 2011, 80, SA072.	0.7	0
111	Crystal Structure and Physical Properties of $Yb_3Co_4\epsilon$ - Ru_xSn_{13} ($x = 0, 0.38$). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 2046-2051.	0.6	4
112	A Tale of Two Polymorphs - Growth and Characterization of \hat{I}^{\pm} - $LnNiGa_4$ ($Ln = Y, Gd-Yb$) and \hat{I}^2 - $LnNi_{1-x}Ga_4$ ($Ln = Tb-Er$). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3909-3919.	1.0	9
113	Effects of chemical doping and pressure on $CaFe_{1-x}As_x$. <i>Physical Review B</i> , 2011, 83, 104411.	1.1	4
114	Magnetic properties of the quasi-two-dimensional antiferromagnet $Ni_2V_2O_7$. <i>Physical Review B</i> , 2011, 83, 104412.	1.1	3
115	Dimensional crossover in $CaFe_{1-x}As_x$ and $FeTe_{1-x}Se_x$. <i>Physical Review B</i> , 2011, 83, 104413.	1.1	13
116	Structure-property coupling in $Sr_{1-x}Mg_xFe_2As_2$ superconductor. <i>Physical Review B</i> , 2011, 83, 104414.		

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127	Low-Dimensional Structure and Magnetism of the Quantum Antiferromagnet $Rb_4Cu(MoO_4)_3$ and the Structure of $Rb_4Zn(MoO_4)_3$. Journal of the American Chemical Society, 2010, 132, 7055-7061.	6.6	8
128	Structure and physical properties of the noncentrosymmetric superconductor Mo_3 . Physical Review B, 2010, 82, .	1.1	110
129	Charge transport in cobalt-doped iron pyrite. Physical Review B, 2010, 81, .	1.1	19
130	Synthesis, structure, magnetic and transport properties of $LnFeSb_3$ ($Ln = Pr, Nd, Sm, Gd, \text{ and } Tb$) tuning of anisotropic long-range magnetic order as a function of Ln. Dalton Transactions, 2010, 39, 6403.	1.6	8
131	Structure and site occupancy of Cd and Hg substitutions in CeT .	1.1	27
132	Investigation of the effect of Ni substitution on the physical properties of $Ce(Cu_{1-x}Ni_x)_2Sb_2$. Journal of Physics Condensed Matter, 2009, 21, 056006.	0.7	2
133	Crystal Growth, Structure, and Physical Properties of $Ln(Cu,Ga)_{13}x$ ($Ln = La, Nd, \text{ and } Eu; x \approx 0.2$). Chemistry of Materials, 2009, 21, 3072-3078.	3.2	13
134	Crystal Growth, Transport, and Magnetic Properties of $YbCoGa_5$. Crystal Growth and Design, 2009, 9, 1956-1959.	1.4	4
135	Physical properties of $LnAg_xX_4y$ ($Ln=La, Ce; X=Al, Ga; y \approx 0.72$). Physica B: Condensed Matter, 2008, 403, 795-796.	1.3	2
136	Synthesis, structure and physical properties of $LnNi(Sn,Sb)_3$ ($Ln=Pr, Nd, Sm, Gd, Tb$). Journal of Solid State Chemistry, 2008, 181, 1977-1982.	1.4	13
137	Magnetization and transport properties of $Ln-CeNi_0.78Co_0.22Sb_3$. Physica B: Condensed Matter, 2008, 403, 1005-1006.	1.3	2
138	Magnetic properties of the single crystal stannides $Ln_7Co_6Sn_{23}$ ($Ln=Dy, Ho$) and $Ln_5Co_6Sn_{18}$ ($Ln=Er$).	1.3	5
139	Discovery of the Griffiths Phase in the Itinerant Magnetic Semiconductor FeM_2S_2 .	1.9	74
140	Crystal Growth, Structure, and Physical Properties of LnM_2Ga_{12} ($Ln = La, Ce; M = Ni, Cu$). Chemistry of Materials, 2008, 20, 6116-6123.	3.2	26
141	Crystal Growth, Structure, and Physical Properties of $SmCu_4Ga_8$. Inorganic Chemistry, 2008, 47, 2472-2476.	1.9	4
142	Magnetotransport properties and the Fermi surface of single crystal VB_2 . Journal of Physics Condensed Matter, 2008, 20, 035209.	0.7	4
143	Spin Dependent Impurity Effects on the 2D Frustrated Magnetism of $NiGa_2$.	2.9	22
144	Critical current behavior of superconducting MoN and Mo_3 .	1.1	8

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145	Crystal growth and magnetic properties of Ln ₄ MGa ₁₂ (Ln = Dy, Er; M = Pd, Pt). Journal of Physics Condensed Matter, 2007, 19, 266224.	0.7	5
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147	Discovery of ${}^2\text{-LnNiSb}_3$ (Ln = La, Ce): A Crystal Growth, Structure, and Magnetic and Transport Behavior. Inorganic Chemistry, 2007, 46, 3010-3016.	1.9	21
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