

Adam P Pikul

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Order-Disorder Transition and Weak Ferromagnetism in the Perovskite Metal Formate Frameworks of $[(\text{CH}_3)_2\text{NH}]_2[\text{M}(\text{HCOO})_3]$ and $[(\text{CH}_3)_2\text{ND}]_2[\text{M}(\text{HCOO})_3]$ (M = Ni, Mn). <i>Inorganic Chemistry</i> , 2014, 53, 457-467.	4.0	176
2	Perovskite Metal Formate Framework of $[\text{NH}_2\text{-CH}_2\text{-NH}_2]\text{Mn}(\text{HCOO})_3$: Phase Transition, Magnetic, Dielectric, and Phonon Properties. <i>Inorganic Chemistry</i> , 2014, 53, 5260-5268.	4.0	148
3	Phase Transitions and Coexistence of Magnetic and Electric Orders in the Methylhydrazinium Metal Formate Frameworks. <i>Chemistry of Materials</i> , 2017, 29, 2264-2275.	6.7	136
4	Kondo-Cluster-Glass State near a Ferromagnetic Quantum Phase Transition. <i>Physical Review Letters</i> , 2009, 102, 206404.	7.8	104
5	Synthesis and order-disorder transition in a novel metal formate framework of $[(\text{CH}_3)_2\text{NH}]_2\text{Na}_{0.5}\text{Fe}_{0.5}(\text{HCOO})_3$. <i>Dalton Transactions</i> , 2014, 43, 17075-17084.		75
6	Temperature-dependent XRD, IR, magnetic, SEM and TEM studies of Jahn-Teller distorted NiCr_2O_4 powders. <i>Journal of Solid State Chemistry</i> , 2013, 201, 270-279.	2.9	67
7	Emergence of a Superconducting State from an Antiferromagnetic Phase in Single Crystals of the Heavy Fermion Compound PdInCe_2 . <i>Physical Review Letters</i> , 2009, 103, 027003.	7.8	66
8	Kondo behavior in antiferromagnetic CeNiGe_3 . <i>Physical Review B</i> , 2003, 67, .	3.2	63
9	Low-temperature specific heat of. <i>Physica B: Condensed Matter</i> , 2008, 403, 1254-1256.	2.7	62
10	Temperature-dependent studies of $[(\text{CH}_3)_2\text{NH}]_2[\text{Fe}^{\text{III}}\text{M}^{\text{II}}(\text{HCOO})_6]$ frameworks (M ^{II} = Fe and Mg): structural, magnetic, dielectric and phonon properties. <i>Dalton Transactions</i> , 2015, 44, 8846-8854.	3.3	56
11	Effect of solvent, temperature and pressure on the stability of chiral and perovskite metal formate frameworks of $[\text{NH}_2\text{CH}_2\text{NH}_2]_3[\text{M}(\text{HCOO})_3]$ (M = Mn, Fe, Zn). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31653-31663.	2.8	54
12	Dualism of the f electrons of the ferromagnetic superconductor UGe_2 as seen in magnetic, transport, and specific-heat data. <i>Physical Review B</i> , 2012, 86, .	3.2	50
13	Structural, magnetic and dielectric properties of two novel mixed-valence iron(II)-iron(III) metal formate frameworks. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1186-1193.	5.5	49
14	Synthesis and characterization of novel niccolites $[(\text{CH}_3)_2\text{NH}]_2[\text{Fe}^{\text{III}}\text{M}^{\text{II}}(\text{HCOO})_6]$ (M ^{II} = Zn, Ni, Cu). <i>Dalton Transactions</i> , 2015, 44, 13234-13241.	3.3	46
15	Structural, magnetic and dielectric properties of two novel mixed-valence iron(II)-iron(III) metal formate frameworks. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1186-1193.	3.2	43
16	Structural, phonon, magnetic and optical properties of novel perovskite-like frameworks of $\text{TriBuMe}[\text{M}(\text{dca})_3]$ (TriBuMe = tributylmethylammonium; dca = dicyanamide; M = Tl, ET, Q, O, O, rg, BT, Overlock, Tf, 50, 14).	3.3	39
17	Low-temperature study of the strongly correlated compound $\text{Ce}_3\text{Rh}_4\text{Sn}_{13}$. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 386207.	1.8	38
18	Synthesis, crystal structure, magnetic and vibrational properties of formamide-templated Co and Fe formates. <i>Polyhedron</i> , 2015, 85, 137-143.	2.2	38

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19	Temperature- and pressure-induced phase transitions in the niccolite-type formate framework of $[H_{3}N(CH_{3})_{4}NH_{3}][Mn_{2}(HCOO)_{6}]$. Journal of Materials Chemistry C, 2016, 4, 3185-3194.	5.5	36
20	Heavy-fermion superconductivity in. Solid State Communications, 2010, 150, 411-414.	1.9	34
21	On the System Silicon-Ytterbium: Constitution, Crystal Chemistry, and Physical Properties. Journal of Solid State Chemistry, 2002, 163, 178-185.	2.9	31
22	Violation of Critical Universality at the Antiferromagnetic Phase Transition of $YbRh_{2}Si$. Physical Review Letters, 2009, 102, 196402.	7.8	31
23	Single-Ion Kondo Scaling of the Coherent Fermi Liquid Regime in $Ce_{x}Mn_{1-x}Mo_{2}As_{2}$. Physical Review Letters, 2012, 108, 066405.	7.8	30
24	Particle size effects on the magnetic and phonon properties of multiferroic $CoCr_{2}O_{4}$. Journal of Solid State Chemistry, 2013, 199, 295-304.	2.9	30
25	Structural, magnetic and phonon properties of Cr(III)-doped perovskite metal formate framework $[(CH_{3})_{2}NH_{2}][Mn(HCOO)_{3}]$. Journal of Solid State Chemistry, 2016, 237, 150-158.	2.9	30
26	Non-Fermi-liquid behaviour close to the disappearance of ferromagnetism in $CePd_{1-x}Rh_{x}$. Journal of Physics Condensed Matter, 2006, 18, L535-L542.	1.8	29
27	Quantum critical behaviour in $Ce_{3}Pd_{20}Si_{6}$?. Journal of Magnetism and Magnetic Materials, 2007, 316, 90-92.	2.3	28
28	Possible field-induced quantum criticality in $Ce_{3}Pd_{20}Si_{6}$. Journal of Physics: Conference Series, 2006, 51, 239-242.	0.4	27
29	Magnetic and low temperature phonon studies of $CoCr_{2}O_{4}$ powders doped with Fe(III) and Ni(II) ions. Journal of Solid State Chemistry, 2014, 212, 218-226.	2.9	26
30	Magnetic properties and electronic structures of intermediate valence systems $CeRh_{2}Si_{2}$ and $Ce_{2}Rh_{3}Si_{5}$. Journal of Physics Condensed Matter, 2010, 22, 215601.	1.8	23
31	Synthesis and temperature-dependent studies of a perovskite-like manganese formate framework templated with protonated acetamidine. Dalton Transactions, 2017, 46, 8476-8485.	3.3	23
32	$R_{12}Pt_{7}In$ (R=Ce, Pr, Nd, Gd, Ho) new derivatives of the $Gd_{3}Ga_{2}$ -type. Journal of Solid State Chemistry, 2004, 177, 17-25.	2.9	21
33	Kaczorowski et al. Reply. Physical Review Letters, 2010, 104, .	7.8	21
34	Novel hypophosphite hybrid perovskites of $[CH_{3}NH_{2}NH_{2}][Mn(H_{2}POO)_{3}]$ and $[CH_{3}NH_{2}NH_{2}][Mn(H_{2}POO)_{2.83}(HCOO)_{0.17}]$ exhibiting antiferromagnetic order and red photoluminescence. RSC Advances, 2020, 10, 19020-19026.	3.6	21
35	Low-temperature thermodynamic properties of the heavy-fermion compound $YbAgGe$ close to the field-induced quantum critical point. Physical Review B, 2006, 73, .	3.2	20
36	Giant crystal-electric-field effect and complex magnetic behavior in single-crystalline $CeRh_{3}Mn_{20}$. Physical Review B, 2010, 81, .	3.2	20

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55	Magnetic properties of Ce ^{II} Ni ^{II} Ge compounds. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 422-424.	2.7	8
56	Superconducting phase transition in NiGe ₃ , a non-electron reference to the unconventional superconductor CeNiGe ₃ . <i>Solid State Communications</i> , 2011, 151, 778-780.	1.9	8
57	Synthesis, magnetic and vibrational properties of two novel mixed-valence iron(II)-iron(III) formate frameworks. <i>Journal of Solid State Chemistry</i> , 2018, 258, 163-169.	2.9	8
58	1D metal-oxalates H ₂ DABCO[M(C ₂ O ₄) ₂] ₃ ·3H ₂ O (M(ii): Co, Mg, Zn): phase transitions and magnetic, dielectric, and phonon properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6254-6263.	5.5	8
59	On the magnetic, electrical and thermodynamic properties of Ce ₃ NiGe ₂ . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 8837-8851.	1.8	7
60	Magnetic phase transitions in RCu ₂ Ge ₂ (R = Dy, Tm) intermetallics. <i>Intermetallics</i> , 2011, 19, 964-969.	3.9	7
61	Magnetic order and crystal field in Dy ₂ Ru ₂ O ₇ and Yb ₂ Ru ₂ O ₇ . <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1490-1494.	2.3	7
62	Low-temperature electronic properties and band structures of LaTe ₂ Si ₂ (Te = Fe, Co, Ag and Au). <i>Solid State Communications</i> , 2017, 257, 32-35.	1.9	7
63	Vibrational and magnetic properties of [C ₂ H ₅ NH ₃][Fe ^{III} M ^{II} (HCOO) ₆] (M = Mn, Ni) and [C ₂ H ₅ NH ₃][Cr ^{III} Mn ^{II} (HCOO) ₆] framework compounds. <i>Vibrational Spectroscopy</i> , 2017, 90, 74-80.	2.2	7
64	Synthesis and characterization of two novel chiral-type formate frameworks templated by protonated diethylamine and ammonium cations. <i>Journal of Solid State Chemistry</i> , 2017, 245, 23-29.	2.9	7
65	Electronic structures and superconductivity in LUTe ₂ Si ₂ phases ($\langle \text{mm} \rangle$ [arXiv:1707.07843v1 [cond-mat.str-el]]). <i>Physica B: Condensed Matter</i> , 2018, 536, 816-820.	2.7	7
66	Magnetostructural Studies in Double Chloro- and Pseudohalo-bridged Isomorphous Dinickel(II) Complexes. <i>ChemistrySelect</i> , 2020, 5, 12924-12931.	1.5	7
67	Unusual isosymmetric order-disorder phase transition in a new perovskite-type dimethylhydrazinium manganese formate exhibiting weak ferromagnetism and photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6841-6851.	5.5	7
68	The cation-dependent structural, magnetic and optical properties of a family of hypophosphite hybrid perovskites. <i>Dalton Transactions</i> , 2021, 51, 352-360.	3.3	7
69	Crystal structure and physical properties of the novel ternary intermetallics URuSi ₃ ^x and U ₃ Ru ₂ Si ₇ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 1884-1890.	2.9	6
70	Polar metal-formate frameworks templated with 1,2-diaminoethane-water assemblies showing ferromagnetic and ferroelectric properties. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16749-16757.	2.8	6
71	Ferromagnetic ordering in the novel ternary uranium germanide URu _{0.29} Ge ₂ . <i>Intermetallics</i> , 2018, 95, 19-23.	3.9	6
72	Magnetic, optical and phonon properties of novel heterometallic formates [NH ₃ CH ₂ CH ₂ OH][M ^{III} M ^{II} (HCOO) ₆] (M ^{III} = Fe, Cr; M ^{II} = Mn, Ni, Co). <i>Journal of Solid State Chemistry</i> , 2018, 260, 7-15.	2.9	6

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73	Metamagnetism and crystal-field splitting in pseudohexagonal CeRhIn_5 . Physical Review B, 2022, 105, .		
74	Field-induced phase transition in a metalorganic spin-dimer system—a potential model system to study Bose-Einstein condensation of magnons. Journal of Magnetism and Magnetic Materials, 2007, 310, 1319-1321.	2.3	5
75	Evolution from a localized to an intermediate valence regime in $\text{Ce}_2\text{Cu}_2\text{Ni}_2\text{In}$. Journal of Physics Condensed Matter, 2011, 23, 456002.	1.8	5
76	Superconductivity in single crystalline YPd_2Ge_2 . Physica B: Condensed Matter, 2018, 536, 761-766.	2.7	5
77	Crystal Growth and Physical Properties of the YPd_2Si_2 Superconductor. Crystal Growth and Design, 2019, 19, 2557-2563.	3.0	5
78	Antiferromagnetic ordering in the ternary uranium germanide UNi_1Ge_2 : Neutron diffraction and physical properties studies. Intermetallics, 2021, 131, 107112.	3.9	5
79	Electrical transport properties of USbSe and USbTe . Journal of Alloys and Compounds, 2005, 398, L1-L3.	5.5	4
80	Low temperature thermodynamical properties of ErCu_2Si_2 . Journal of Magnetism and Magnetic Materials, 2010, 322, 12-18.	2.3	4
81	Search for quantum criticality in a ferromagnetic system $\text{UNi}_1\text{Co}_x\text{Si}_2$. Physical Review B, 2012, 85, .	3.2	4
82	Magnetic and related properties of the solid solution $\text{CeCu}_x\text{Ga}_{4-x}$. Journal of Physics and Chemistry of Solids, 2014, 75, 1284-1288.	4.0	4
83	Magnetic and related properties of Ce_5CoGe_2 , CeCoGe and CeCo_2Ge_2 . Intermetallics, 2014, 53, 40-44.	3.9	4
84	Electronic properties of LaTe_2Ge_2 ($\text{Te} = \text{Fe, Co, Ni, Cu}$ and Ru). Solid State Communications, 2018, 280, 13-17.	1.9	4
85	Electronic and magnetic properties of $\text{Ce}_3\text{Pd}_5\text{Si}$. Journal of Alloys and Compounds, 2003, 351, 54-58.	5.5	3
86	Crystal structure of a novel cerium indide $\text{Ce}_6\text{Pt}_{11}\text{In}_{14}$. Journal of Alloys and Compounds, 2004, 379, 204-208.	5.5	3
87	Heat capacity studies of single-crystalline CePt_4In . Physica B: Condensed Matter, 2008, 403, 842-843.	2.7	3
88	Lack of magnetic ordering in $\text{Ce}_2\text{La}_2\text{Ni}_2\text{Ge}_2$. Physica Status Solidi (B): Basic Research, 2010, 247, 691-693.	1.5	3
89	The influence of magnetic sublattice dilution on magnetic order in CeNiGe_3 and UNiSi_2 . Journal of Physics Condensed Matter, 2012, 24, 276003.	1.8	3
90	Low-temperature specific heat of uranium germanides. Journal of Magnetism and Magnetic Materials, 2014, 360, 217-221.	2.3	3

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91	The actinide-platinum binaries Th ₃ Pt ₄ and U ₃ Pt ₄ : Crystallographic investigation and heavy-fermion behavior of the ferromagnetically ordered U ₃ Pt ₄ . Journal of Alloys and Compounds, 2017, 708, 175-180.	5.5	3
92	Magnetic and related properties of a novel compound Ce ₃ Co ₂ Sn ₇ . Journal of Alloys and Compounds, 2017, 706, 244-249.	5.5	3
93	Ferromagnetism in structurally disordered UFe _{0.39} Ge ₂ . Journal of Alloys and Compounds, 2022, 892, 162032.	5.5	3
94	Structural, magnetic and photoluminescence properties of new hybrid hypophosphites: discovery of the first noncentrosymmetric and two cobalt-based members. Dalton Transactions, 2022, 51, 9094-9102.	3.3	3
95	Single crystal study on a novel Kondo compound Ce ₆ Pt ₁₁ In ₁₄ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, E89-E90.	2.3	2
96	High-field magnetization and specific heat of UCu ₂ T ₃ Al ₇ alloys where T=Cr, Mn and Fe(II). Journal of Alloys and Compounds, 2009, 467, 41-43.	5.5	2
97	Specific Heat of the Monoclinic Rare Earth Double Tungstates. Journal of Low Temperature Physics, 2010, 160, 119-130.	1.4	2
98	Magnetic ordering in PrT ₂ Ge ₂ (T=ÅNi, Ru and Rh) compounds. Intermetallics, 2010, 18, 1766-1771.	3.9	2
99	Evolution of the Magnetic and Electrical Properties in the Ce-Co-Ge System. Solid State Phenomena, 0, 194, 80-83.	0.3	2
100	Suppression of ferromagnetism in solid solution CePd _{1-x} Ga _{4x} . Journal of Alloys and Compounds, 2015, 648, 636-640.	5.5	2
101	Superconductivity in ThPd ₂ Ge ₂ . Physica B: Condensed Matter, 2018, 536, 734-737.	2.7	2
102	Overview of the U ₃ TGe ₅ family with T=Ti, V, Cr, Mn, Zr, Nb, Mo, Hf, Ta and W: Nine new members, phase formation, stability, structural and physical properties and electronic structures. Journal of Solid State Chemistry, 2019, 277, 260-270.	2.9	2
103	Study of the magnetic and electrical properties of U ₃ TGe ₅ (T=Ti, V, Cr, Mn, Zr, Nb, Mo, Hf, Ta and W) alloys. Journal of Solid State Chemistry, 2019, 277, 260-270.	2.3	2
104	X-ray diffraction and Mössbauer effect study of site occupation and magnetic properties in UCu _x Fe _{5-2x} Al ₇ (x=2, 3.5) alloys. Physica B: Condensed Matter, 2009, 404, 1102-1111.	2.7	1
105	Magnetic behavior in TmCu ₂ Ge ₂ . Journal of Physics: Conference Series, 2010, 200, 032056.	0.4	1
106	Kondo Effect in the Presence of Ferromagnetism in U _{1-x} Th _x NiSi ₂ . Journal of the Physical Society of Japan, 2011, 80, SA107.	1.6	1
107	Magnetic and Related Properties of Tb ₄ Sb ₃ Compound. Solid State Phenomena, 0, 170, 60-69.	0.3	1
108	Thermodynamic and electrical transport properties of single-crystalline U ₂ Cu ₄ As ₅ . Journal of Magnetism and Magnetic Materials, 2015, 384, 122-127.	2.3	1

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109	Investigation of the phase relations in the U-Al-Ge ternary system: Influence of the Al/Ge substitution on the properties of the intermediate phases. <i>Journal of Solid State Chemistry</i> , 2016, 243, 168-178.	2.9	1
110	U ₃ Pt ₁₂ Si ₄ : Structural and Physical Properties of a New Uranium-Platinum-Silicon Ternary Compound. <i>Solid State Phenomena</i> , 2016, 257, 86-91.	0.3	1
111	Superconductivity in single crystalline LuPd ₂ Si ₂ probed by heat capacity measurements. <i>Superconductor Science and Technology</i> , 2020, 33, 055007.	3.5	1
112	Magnetic and related properties of U ₄ Rh ₁₃ Si ₉ and U ₄ Ir ₁₃ Si ₉ . <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2841-2844.	4.0	0
113	Magnetic, Electrical and Thermodynamic Properties of UCuT x Al ₁₁ ˆx Alloys Where T = Mn, Fe and x=4 and 5. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1799-1804.	1.8	0
114	Crystal structure and low-temperature physical properties of CePd _{0.427} Sn ₂ . <i>Journal of Alloys and Compounds</i> , 2016, 667, 282-286.	5.5	0