

Susan E Latturner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5337320/publications.pdf>

Version: 2024-02-01

57
papers

729
citations

516710

16
h-index

642732

23
g-index

64
all docs

64
docs citations

64
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Glass Behavior of Isolated, Geometrically Frustrated Tetrahedra of Iron Atoms in the Intermetallic $\text{La}_{21}\text{Fe}_8\text{Sn}_7\text{C}_{12}$. <i>Journal of the American Chemical Society</i> , 2009, 131, 3349-3354.	13.7	47
2	Ruthenium Intermetallics Grown from La-Ni Flux: Synthesis, Structure, and Physical Properties. <i>Inorganic Chemistry</i> , 2010, 49, 2773-2781.	4.0	39
3	$\text{Bi}_{13}\text{S}_{18}\text{I}_2$: (Re)discovery of a Subvalent Bismuth Compound Featuring $[\text{Bi}_2]^{4+}$ Dimers Grown in Sulfur/Iodine Flux Mixtures. <i>Chemistry of Materials</i> , 2017, 29, 3314-3323.	6.7	39
4	Clusters, Assemble: Growth of Intermetallic Compounds from Metal Flux Reactions. <i>Accounts of Chemical Research</i> , 2018, 51, 40-48.	15.6	36
5	Metal to Semimetal Transition in CaMgSi Crystals Grown from Mg-Al Flux. <i>Chemistry of Materials</i> , 2010, 22, 1846-1853.	6.7	32
6	Flux Growth and Electronic Properties of $\text{Ba}_2\text{In}_5\text{Pn}_5$ ($\text{Pn} = \text{P, As}$): Zintl Phases Exhibiting Metallic Behavior. <i>Chemistry of Materials</i> , 2008, 20, 5675-5681.	6.7	27
7	Growth of new ternary intermetallic phases from Ca/Zn eutectic flux. <i>Journal of Solid State Chemistry</i> , 2007, 180, 907-914.	2.9	26
8	$\text{RE}(\text{AuAl}_2)_n\text{Al}_2(\text{AuxSi}_2)_2$: A New Homologous Series of Quaternary Intermetallics Grown from Aluminum Flux. <i>Inorganic Chemistry</i> , 2008, 47, 2089-2097.	4.0	25
9	$\text{Ca}_2\text{LiC}_3\text{H}$: A New Complex Carbide Hydride Phase Grown in Metal Flux. <i>Journal of the American Chemical Society</i> , 2010, 132, 17523-17530.	13.7	25
10	Structural and Optical Properties of Sb-Substituted BiSi Grown from Sulfur/Iodine Flux. <i>Inorganic Chemistry</i> , 2017, 56, 12362-12368.	4.0	23
11	Crystal growth and magnetic behavior of $\text{R}_6\text{T}_{13}\text{Al}_x\text{M}_y$ phases ($\text{R}=\text{La, Nd}$; $\text{T}=\text{Mn, Fe}$; $\text{M}=\text{main group}$) grown from lanthanide-rich eutectic fluxes. <i>Journal of Solid State Chemistry</i> , 2009, 182, 3055-3062.	2.9	21
12	Formation of Multinary Intermetallics from Reduction of Perovskites by Aluminum Flux: $\text{M}_3\text{Au}_{6+x}\text{Al}_{26}\text{Ti}$ ($\text{M} = \text{Ca, Sr, Yb}$), a Stuffed Variant of the BaHg_{11} Type. <i>Inorganic Chemistry</i> , 2004, 43, 2-4.	4.0	20
13	A Tale of Two Metals: New Cerium Iron Borocarbide Intermetallics Grown from Rare-Earth/Transition Metal Eutectic Fluxes. <i>Journal of the American Chemical Society</i> , 2012, 134, 12138-12148.	13.7	20
14	Molten Salt Synthesis and Structural Characterization of Novel Salt-Inclusion Vanadium Bronze $\text{Cs}_5\text{FeV}_5\text{O}_{13}\text{Cl}_6$. <i>Inorganic Chemistry</i> , 2010, 49, 4486-4490.	4.0	18
15	Flux Growth and Magnetoresistance Behavior of Rare Earth Zintl Phase EuMgSn . <i>Inorganic Chemistry</i> , 2013, 52, 3342-3348.	4.0	17
16	Influence of the La/M Network on Magnetic Properties of Mn_4 Tetrahedra in Intermetallic Compounds $\text{La}_{21}\text{M}_8\text{Mn}_8\text{M}_7\text{C}_{12}$ ($\text{M} = \text{Ge, Sn, Sb, Te, Bi}$). <i>Chemistry of Materials</i> , 2011, 23, 1768-1778.	6.7	16
17	$\text{RE}_2\text{MAl}_6\text{Si}_4$ ($\text{RE} = \text{Gd, Tb, Dy}$; $\text{M} = \text{Au, Pt}$): Layered Quaternary Intermetallics Featuring CaAl_2Si_2 -Type and $\text{YNiAl}_4\text{Ge}_2$ -Type Slabs Grown from Aluminum Flux. <i>Inorganic Chemistry</i> , 2003, 42, 7959-7966.	4.0	15
18	Synthesis and Properties of New Multinary Silicides $\text{R}_5\text{Mg}_5\text{Fe}_4\text{Al}_x\text{Si}_{18}\text{A}^x$ ($\text{R} = \text{Gd, Dy, Y}$, $x \leq 12$) Grown in Mg/Al Flux. <i>Inorganic Chemistry</i> , 2012, 51, 6089-6095.	4.0	15

#	ARTICLE	IF	CITATIONS
19	Thermoelectric Properties of $\text{Ba}_{1.9}\text{Ca}_{2.4}\text{Mg}_{9.7}\text{Si}_7$: A New Silicide Zintl Phase with the $\text{Zr}_2\text{Fe}_{12}\text{P}_7$ Structure Type. <i>Chemistry of Materials</i> , 2015, 27, 6708-6716.	6.7	14
20	$\text{REAu}_4\text{Al}_8\text{Si}$: the end member of a new homologous series of intermetallics featuring thick AuAl ₂ layers Electronic Supplementary Information (ESI) available: crystallographic data for all analogues (tables of atomic positions, thermal parameters, bond lengths) in the form of cif files. See http://www.rsc.org/suppdata/cc/b3/b306641j/ . <i>Chemical Communications</i> , 2003, , 2340.	4.1	13
21	Structural relationships between new carbide $\text{La}_{14}\text{Sn}(\text{Mn}_6\text{C})_3$ and fully ordered $\text{La}_{11}(\text{Mn}_6\text{C})_3$. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2987-2994.	2.9	13
22	Transition-Metal Ion Exchange Using Poly(ethylene glycol) Oligomers as Solvents. <i>Chemistry of Materials</i> , 2010, 22, 330-337.	6.7	13
23	Two Germanide Hydride Phases Grown in Calcium-Rich Flux: Use of Interstitial Elements for Discovery of New Phases. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4006-4011.	2.0	12
24	In Situ Neutron Diffraction Studies of the Metal Flux Growth of Ba/Yb/Mg/Si Intermetallics. <i>Inorganic Chemistry</i> , 2019, 58, 8111-8119.	4.0	11
25	$\text{R}_3\text{Au}_6\text{Al}_{26}\text{T}$ (R = Ca, Sr, Eu, Yb; T = Early Transition) Tj ETQq1 1 0.784314 rgBT /Over Aluminum Flux. <i>Inorganic Chemistry</i> , 2009, 48, 1346-1355.	4.0	10
26	$\text{Ca}_{54}\text{In}_{13}\text{B}_4\text{H}_{23+x}$: A Complex Metal Subhydride Featuring Ionic and Metallic Regions. <i>Chemistry of Materials</i> , 2014, 26, 3202-3208.	6.7	10
27	$\text{Ca}_{12}\text{InC}_{13}$ and $\text{Ba}_{12}\text{InC}_{18}\text{H}_4$: Alkaline-Earth Indium Allenylides Synthesized in AE/Li Flux (AE = Ca, Ba). <i>Inorganic Chemistry</i> , 2015, 54, 914-921.	4.0	10
28	Metal Nitrides Grown from Ca/Li Flux: $\text{Ca}_6\text{Te}_3\text{N}_2$ and New Nitridoferrate(I) $\text{Ca}_6(\text{Li}_x\text{Fe}_{1-x})\text{Te}_2\text{N}_3$. <i>Journal of the American Chemical Society</i> , 2016, 138, 10636-10644.	13.7	10
29	Flux growth and magnetic properties of rare earth cobalt germanide, $\text{RE}_6\text{Co}_5\text{Ge}_{1+x}\text{Al}_3$ (RE=Pr, Nd;) Tj ETQq1 1 0.784314 rgBT /Over	2.9	10
30	$\text{Ca}_{11}\text{E}_3\text{C}_8$ (E = Sn, Pb): New Complex Carbide Zintl Phases Grown from Ca/Li Flux. <i>Inorganic Chemistry</i> , 2012, 51, 13345-13350.	4.0	9
31	Salt-flux synthesis of complex oxides: $\text{Cs}_{0.33}\text{MoO}_3$, $\text{CsFe}(\text{MoO}_4)_2$, and the inverse salt-inclusion phase $\text{Cs}_2\text{Mo}_{0.65}\text{O}_{0.21}\text{Cl}_{5.44}$. <i>Philosophical Magazine</i> , 2012, 92, 2582-2595.	1.6	9
32	Competing Phases, Complex Structure, and Complementary Diffraction Studies of $\text{R}_3\text{FeAl}_4\text{Mg}_x\text{Tt}_2$ Intermetallics (R = Y, Dy, Er, Yb; Tt = Si or Ge; x < 0.5). <i>Chemistry of Materials</i> , 2013, 25, 3363-3372.	6.7	9
33	Synthesis, Crystal Structure, and Magnetic Properties of Novel Intermetallic Compounds $\text{R}_2\text{Co}_2\text{SiC}$ (R = Pr, Nd). <i>Inorganic Chemistry</i> , 2014, 53, 6141-6148.	4.0	9
34	$\text{LiCa}_3\text{As}_2\text{H}$ and $\text{Ca}_{14}\text{As}_6\text{X}_7$ (X = C, H, N): Two New Arsenide Hydride Phases Grown from Ca/Li Metal Flux. <i>Inorganic Chemistry</i> , 2014, 53, 10620-10626.	4.0	9
35	Sodalite ion exchange in polyethylene oxide oligomer solvents. <i>Journal of Materials Chemistry</i> , 2007, 17, 4530.	6.7	8
36	Europium substitution into intermetallic phases grown in Ca/Zn flux. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2239-2245.	2.9	8

#	ARTICLE	IF	CITATIONS
37	Flux growth of a new cobalt-zinc-tin ternary phase $\text{Co}_{7+x}\text{Zn}_3\text{Sn}_8$ and its relationship to CoSn . <i>Journal of Solid State Chemistry</i> , 2011, 184, 1875-1881.	2.9	8
38	$\text{Nd}_8\text{Co}_4\text{AlGe}_2\text{C}_3$: A case study in flux growth of lanthanide-rich intermetallics. <i>Journal of Solid State Chemistry</i> , 2016, 236, 159-165.	2.9	8
39	Low-Dimensional Nitridosilicates Grown from Ca/Li Flux: Void Metal $\text{Ca}_8\text{In}_2\text{Si}_4$ and Semiconductor $\text{Ca}_3\text{Si}_3\text{N}_3\text{H}$. <i>Inorganic Chemistry</i> , 2017, 56, 9361-9368.	4.0	7
40	Switching on a Spin Glass: Flux Growth, Structure, and Magnetism of $\text{La}_{11}\text{Mn}_{13}\text{Ni}_x\text{Al}_y\text{Sn}_4$ Intermetallics. <i>Inorganic Chemistry</i> , 2017, 56, 15194-15202.	4.0	7
41	Mercouri G. Kanatzidis: Excellence and Innovations in Inorganic and Solid-State Chemistry. <i>Inorganic Chemistry</i> , 2017, 56, 7582-7597.	4.0	7
42	$\text{U}_{1.33}\text{T}_4\text{Al}_8\text{Si}_2$ (T = Ni, Co): Complex Uranium Silicides Grown from Aluminum/Gallium Flux Mixtures. <i>Inorganic Chemistry</i> , 2019, 58, 12209-12217.	4.0	7
43	Flux Synthesis of a Metal Carbide Hydride Using Anthracene As a Reactant. <i>Inorganic Chemistry</i> , 2020, 59, 11651-11657.	4.0	6
44	Reaction of Methane with Bulk Intermetallics Containing Iron Clusters Yields Carbon Nanotubes. <i>Chemistry of Materials</i> , 2013, 25, 1480-1482.	6.7	4
45	New cerium cobalt borocarbide synthesized from eutectic metal flux mixture. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 450-455.	6.0	4
46	Metal Flux Growth of Complex Alkaline Earth/Rare Earth Metal Silicides with a Homologous Series of Metal Phosphide Structure Types. <i>Chemistry of Materials</i> , 2018, 30, 6478-6485.	6.7	3
47	$\text{Pr}_{62}\text{Fe}_{21}\text{M}_{16}\text{C}_{32}$ Versus $\text{Pr}_{21}\text{Fe}_8\text{M}_7\text{C}_{12}$ (M = Si, P; M^{2+} = Si, Ge, Sn) Competing Intermetallic Carbides Grown from a Pr/Ni Flux. <i>Inorganic Chemistry</i> , 2019, 58, 540-548.	4.0	3
48	Metal Flux Growth of Praseodymium Iron Carbides Featuring FeC_3 Units. <i>Crystal Growth and Design</i> , 2021, 21, 103-111.	3.0	3
49	Unexpected Hydride: $\text{Ce}_4\text{B}_2\text{C}_2\text{H}_{2.42}$, a Stuffed Variant of the Nd_2BC Structure Type. <i>Crystal Growth and Design</i> , 2021, 21, 5164-5171.	3.0	3
50	$\text{U}_8\text{Al}_{19}\text{Si}_6$, A Uranium Aluminide Silicide with a Stuffed Supercell Grown from Aluminum Flux. <i>Chemistry of Materials</i> , 2018, 30, 3806-3812.	6.7	2
51	Emerging Investigators in Solid-State Inorganic Chemistry. <i>Inorganic Chemistry</i> , 2019, 58, 4-7.	4.0	2
52	Flux Synthesis of MgNi_2Bi_4 and Its Structural Relationship to NiBi_3 . <i>Inorganic Chemistry</i> , 2020, 59, 3452-3458.	4.0	2
53	Structural Disorder in Intermetallic Boride $\text{Pr}_{21}\text{M}_{16}\text{Te}_6\text{B}_{30}$ (M = Mn, Fe): A Transition Metal Cluster and Its Evil Twin. <i>Inorganic Chemistry</i> , 2020, 59, 2484-2494.	4.0	2
54	$\text{Yb}_{51}\text{In}_{13}\text{H}_{27}$: A complex metal hydride grown from Yb/Li flux. <i>Journal of Solid State Chemistry</i> , 2019, 270, 187-191.	2.9	1

#	ARTICLE	IF	CITATIONS
55	$\text{An}_{1.33}\text{T}_4\text{Al}_8\text{Si}_2$ (An = Ce, Th, U, Np; T = Ni, Co): Actinide Intermetallics with Disordered Gd _{1+x} Fe ₄ Si ₁₀ Structure Type Grown from Metal Flux. <i>Inorganic Chemistry</i> , 2021, 60, 13062-13070.	4.0	1
56	Magnesium-Based Flux Growth and Structural Relationships of a Large Family of Tetrelide Semimetals. <i>Crystal Growth and Design</i> , 2020, 20, 2632-2643.	3.0	0
57	REAu ₄ Al ₈ Si: the end member of a new homologous series of intermetallics featuring thick AuAl ₂ layers. <i>Chemical Communications</i> , 2003, , 2340-1.	4.1	0