

Peter D Battle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7638818/publications.pdf>

Version: 2024-02-01

92
papers

1,621
citations

318942

23
h-index

388640

36
g-index

97
all docs

97
docs citations

97
times ranked

1471
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and magnetic properties of the perovskites $A_2\text{LaFe}_2\text{SbO}_9$ ($A = \text{Ca}, \text{Sr}, \text{Ba}$). <i>Journal of Solid State Chemistry</i> , 2021, 295, 121914.	1.4	3
2	Composition-dependent transition from spin glass to ferrimagnet in $\text{CaLa}_2\text{Ni}_2\text{-CuWO}_9$ ($0 \leq x \leq 0.5$). <i>Journal of Solid State Chemistry</i> , 2020, 287, 121388.	1.4	0
3	$\text{CaLa}_2\text{FeCoSbO}_9$ and $\text{ALa}_2\text{FeNiSbO}_9$ ($A = \text{Ca}, \text{Sr}, \text{Ba}$): cation-ordered, inhomogeneous, ferrimagnetic perovskites. <i>Journal of Solid State Chemistry</i> , 2020, 285, 121226.	1.4	2
4	Short-range cation and spin ordering in the relaxor ferromagnet $\text{La}_3\text{Ni}_2\text{SbO}_9$ studied by polarized-neutron scattering and Monte-Carlo methods. <i>Journal of Solid State Chemistry</i> , 2019, 278, 120920.	1.4	3
5	Magnetic properties of $\text{La}_3\text{Ni}_2\text{SbTa Nb}_1\text{B}^{\text{TM}}\text{O}_9$; from relaxor to spin glass. <i>Journal of Solid State Chemistry</i> , 2019, 273, 175-185.	1.4	4
6	Stabilisation of magnetic ordering in $\text{La}_3\text{Ni}_2\text{-xCu}_x\text{B}^{\text{TM}}\text{O}_9$ ($\text{B}^{\text{TM}} = \text{Sb}, \text{Ta}, \text{Nb}$) by the introduction of Cu^{2+} . <i>Journal of Solid State Chemistry</i> , 2019, 276, 164-172.	1.4	2
7	Antiferromagnetism and Metamagnetism in $\text{ErFeCuGe}_4\text{O}_{12}$. <i>Journal of Solid State Chemistry</i> , 2019, 269, 107-112.	1.4	1
8	Magnetisation reversal in $\text{Ca}_2\text{PrCr}_2\text{NbO}_9$ and $\text{Ca}_2\text{PrCr}_2\text{TaO}_9$. <i>Journal of Solid State Chemistry</i> , 2019, 269, 80-86.	1.4	3
9	Magnetic properties of $\text{GdB}_2\text{Ge}_4\text{O}_{12}$; $\text{BB}^{\text{TM}} = \text{FeZn}$ or GdCa . <i>Journal of Solid State Chemistry</i> , 2019, 270, 205-211.	1.4	1
10	Structure and magnetic properties of cation-disordered perovskites SrLaCrSnO_6 and $\text{Ca}_2\text{CeCr}_2\text{TiO}_9$. <i>Journal of Solid State Chemistry</i> , 2019, 269, 608-615.	1.4	2
11	Comparative study of the magnetic properties of $\text{La}_3\text{Ni}_2\text{B}^{\text{TM}}\text{O}_9$ for $\text{B}^{\text{TM}} = \text{Nb}, \text{Ta}$ or Sb . <i>Journal of Solid State Chemistry</i> , 2018, 258, 825-834.	1.4	9
12	Evolution of the crystal structure and magnetic properties of $\text{Sr}_{2-x}\text{Ca}_x\text{CrSbO}_6$ with composition. <i>Journal of Solid State Chemistry</i> , 2018, 264, 48-58.	1.4	3
13	Ferrimagnetism as a Consequence of Unusual Cation Ordering in the Perovskite $\text{SrLa}_2\text{FeCoSbO}_9$. <i>Inorganic Chemistry</i> , 2018, 57, 7438-7445.	1.9	8
14	Magnetic properties of $\text{CeM}_{1.5}\text{M}^{\text{TM}}\text{O}_{0.5}\text{Ge}_4\text{O}_{12}$ ($M = \text{Mn}, \text{Co}$; $\text{M}^{\text{TM}} = \text{Ni}, \text{Cu}$). <i>Journal of Solid State Chemistry</i> , 2018, 265, 339-344.	1.4	2
15	Ferrimagnetism as a consequence of cation ordering in the perovskite $\text{LaSr}_2\text{Cr}_2\text{SbO}_9$. <i>Journal of Solid State Chemistry</i> , 2017, 248, 96-103.	1.4	19
16	Magnetic Properties of $\text{CeMn}_2\text{Co}_x\text{Ge}_4\text{O}_{12}$ ($0 \leq x \leq 2$) as a Function of Temperature and Magnetic Field. <i>Inorganic Chemistry</i> , 2017, 56, 2750-2762.		8
17	Interplay of structural chemistry and magnetism in perovskites; A study of $\text{CaLn}_2\text{Ni}_2\text{WO}_9$; $\text{Ln} = \text{La}, \text{Pr}, \text{Nd}$. <i>Journal of Solid State Chemistry</i> , 2017, 251, 224-232.	1.4	6
18	Experimental and computational study of the magnetic properties of $\text{ZrMn}_2\text{Co}_x\text{Ge}_4\text{O}_{12}$. <i>Dalton Transactions</i> , 2017, 46, 6921-6933.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Magnetic properties of the 6H perovskite Ba ₃ Fe ₂ TeO ₉ . Journal of Solid State Chemistry, 2017, 253, 347-354.	1.4	8
20	Structural chemistry and magnetic properties of Ln MnFeGe ₄ O ₁₂ (Ln = Y, Eu, Lu). Journal of Solid State Chemistry, 2017, 254, 40-46.	1.4	4
21	Magnetic properties of Ln ₂ CoGe ₄ O ₁₂ and LnBCoGe ₄ O ₁₂ (Ln = Gd, Tb, Dy, Ho, Er; B = Sc, Lu). Dalton Transactions, 2017, 46, 15778-15788.	1.6	4
22	Structural chemistry and magnetic properties of the perovskite Sr ₃ Fe ₂ TeO ₉ . Journal of Solid State Chemistry, 2016, 242, 86-95.	1.4	18
23	Structural chemistry and magnetic properties of the perovskite SrLa ₂ Ni ₂ TeO ₉ . Journal of Solid State Chemistry, 2016, 243, 304-311.	1.4	10
24	Dimer-mediated cation diffusion in the stoichiometric ionic conductor Li ₃ N. Physical Chemistry Chemical Physics, 2016, 18, 5605-5613.	1.3	6
25	Structural chemistry and magnetic properties of Y ₂ CoGe ₄ O ₁₂ . Journal of Solid State Chemistry, 2015, 228, 183-188.	1.4	7
26	Structure and magnetism of Sr ₃ NiSb ₂ O ₉ . Journal of Solid State Chemistry, 2015, 227, 1-4.	1.4	5
27	Diffusion in Li ₂ O studied by non-equilibrium molecular dynamics for 873 T/K 1603. Physical Chemistry Chemical Physics, 2015, 17, 21470-21475.	1.3	21
28	The interplay of microstructure and magnetism in La ₃ Ni ₂ SbO ₉ . Journal of Solid State Chemistry, 2014, 220, 163-166.	1.4	15
29	Structural chemistry and magnetic properties of Nd ₁₈ Li ₈ Fe ₄ M ₂ O ₃₉ (M ² =Al, Ga) and La ₁₈ Li ₈ Fe _{4.5} In _{0.5} O ₃₉ . Journal of Solid State Chemistry, 2014, 209, 120-126.	1.4	2
30	Li ₁₁ Nd ₁₈ Fe ₄ O ₃₉ Revisited. Inorganic Chemistry, 2013, 52, 950-952.	1.9	0
31	La ₃ Ni ₂ SbO ₉ : a Relaxor Ferromagnet. Inorganic Chemistry, 2013, 52, 6648-6653.	1.9	29
32	Magnetic properties of Fe ₂ GeMo ₃ N; an experimental and computational study. Journal of Materials Chemistry, 2012, 22, 15606.	6.7	5
33	Structural chemistry and spin-glass behaviour of Nd ₁₈ Li ₈ Fe ₄ TiO ₃₉ . Journal of Solid State Chemistry, 2012, 187, 75-82.	1.4	1
34	Structural and magnetic properties of Nd ₁₈ Li ₈ Co ₄ xFe _x O ₃₉ y and Nd ₁₈ Li ₈ Co ₄ xTi _x O ₃₉ y. Journal of Solid State Chemistry, 2011, 184, 2580-2587.	1.4	5
35	Synthesis and structural chemistry of La ₁₈ Li ₈ Rh ₄ MO ₃₉ (M=Ti, Mn, Ru). Journal of Solid State Chemistry, 2010, 183, 1620-1624.	1.4	8
36	Structural Chemistry and Magnetic Properties of Ln ₁₈ Li ₈ Rh ₅ Fe _x O ₃₉ (Ln =) Tj ETQq 0 0 0 rgBT /Overlo		

#	ARTICLE	IF	CITATIONS
55	Ca _{2.5} Sr _{0.5} GaMn ₂ O ₈ : Diamagnetic Ga in Control of the Structural and Electronic Properties of a Bilayered Manganate. <i>Journal of the American Chemical Society</i> , 2004, 126, 12517-12527.	6.6	12
56	Cation and Spin Ordering in the n = 1 Ruddlesden-Popper Phase La ₂ Sr ₂ LiRuO ₈ . <i>Chemistry of Materials</i> , 2004, 16, 4257-4266.	3.2	23
57	Superparamagnetism and metal-site ordering in quaternary nitrides with the \hat{A} -carbide structure. <i>Journal of Materials Chemistry</i> , 2004, 14, 3001-3007.	6.7	29
58	Prediction of inorganic crystal framework structures. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1815.	1.3	40
59	Structural chemistry and magnetic properties of La ₂ LiRuO ₆ . <i>Journal of Solid State Chemistry</i> , 2003, 175, 20-26.	1.4	50
60	Synthesis and structural characterization of Ba ₁₄ Pd ₃ Ir ₈ O ₃₃ . <i>Journal of Solid State Chemistry</i> , 2003, 174, 96-103.	1.4	4
61	Crystal and magnetic structures of Sr ₄ MMn ₂ O ₉ (M=Cu or Zn). <i>Journal of Solid State Chemistry</i> , 2003, 176, 88-96.	1.4	17
62	Structural Chemistry and Magnetic Properties of Incommensurate Sr _{1+x} (Co _x Mn _{1-x})O ₃ . <i>Chemistry of Materials</i> , 2003, 15, 4262-4267.	3.2	19
63	Synthesis and characterisation of Sr _{1.2} Nd _{0.8} Mn _{0.6} Rh _{0.4} O ₄ . <i>Journal of Materials Chemistry</i> , 2003, 13, 1166-1172.	6.7	2
64	Structural chemistry and magnetic properties of hexagonal perovskites Ba _{1-x} Mn _{1-x} O ₃ , x = 0.3, 0.4, 0.5. <i>Journal of Materials Chemistry</i> , 2003, 13, 2220-2226.	6.7	16
65	The influence of structural disorder on the magnetic properties of Sr ₂ Fe _{1-x} Ga _x TaO ₆ (0 ≤ x ≤ 1). <i>Journal of Materials Chemistry</i> , 2003, 13, 1210-1214.	6.7	19
66	Structural chemistry and magnetic properties of 6H and 15R hexagonal perovskites Ba _{1-x} Fe _{1-x} O ₃ . <i>Journal of Materials Chemistry</i> , 2003, 13, 2617-2625.	6.7	13
67	Electronic phase transitions and magnetoresistance in a new bilayer manganate, Ca _{2.5} Sr _{0.5} GaMn ₂ O ₈ . <i>Journal of Physics Condensed Matter</i> , 2002, 14, 13569-13577.	0.7	18
68	Synthesis and Characterization of Ru-Doped n = 1 and n = 2 Ruddlesden-Popper Manganates. <i>Chemistry of Materials</i> , 2002, 14, 3976-3983.	3.2	14
69	Magnetism and Structural Chemistry of the n = 1 Ruddlesden-Popper Phases La ₄ LiMnO ₈ and La ₃ SrLiMnO ₈ . <i>Journal of the American Chemical Society</i> , 2002, 124, 620-628.	6.6	38
70	Crystal Structure and Magnetic Properties of SrCaMnGaO ₅ . <i>Journal of Solid State Chemistry</i> , 2002, 167, 188-195.	1.4	36
71	Structural and Magnetic Chemistry of La ₂ Sr ₂ B ₂ MnO ₈ (B=Mg, Zn). <i>Journal of Solid State Chemistry</i> , 2002, 168, 202-207.	1.4	6
72	Antimony in the Sr ₄ PtO ₆ Structure: A Neutron Diffraction Study of Sr ₃ NaSbO ₆ . <i>Inorganic Chemistry</i> , 2001, 40, 1716-1717.	1.9	17

#	ARTICLE	IF	CITATIONS
73	Synthesis, structural chemistry and magnetic properties of $\text{La}_{1-x}\text{A}_x\text{InMnO}_6$: A = Ba, Sr; x = 0, 0.2. <i>Journal of Materials Chemistry</i> , 2001, 11, 1656-1661.	6.7	1
74	Crystal structure and electronic properties of $\text{Ca}_4\text{Mn}_2\text{TiO}_9$, an n = 3 Ruddlesden-Popper compound. <i>Journal of Materials Chemistry</i> , 2001, 11, 160-167.	6.7	8
75	Control of Magnetic Ordering by Jahn-Teller Distortions in $\text{Nd}_2\text{GaMnO}_6$ and $\text{La}_2\text{GaMnO}_6$. <i>Journal of the American Chemical Society</i> , 2001, 123, 1111-1122.	6.6	44
76	Development of a New Interatomic Potential for the Modeling of Ligand Field Effects. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6824-6830.	1.2	38
77	Development of a new force field for open shell ions: application to modelling of LaMnO_3 . <i>Chemical Communications</i> , 2000, , 1879-1880.	2.2	13
78	Synthesis, structure, and magnetic properties of n=2 Ruddlesden-Popper manganates. <i>Current Opinion in Solid State and Materials Science</i> , 1999, 4, 163-170.	5.6	45
79	Neutron Diffraction Study of the Structures of $\text{Ba}_5\text{Cu}_3\text{O}_{12}$ and $\text{Ba}_{16}\text{Cu}_3\text{Ir}_{10}\text{O}_{39}$. <i>Chemistry of Materials</i> , 1999, 11, 1551-1558.	3.2	17
80	Neutron Diffraction Study of $\text{Ba}_6\text{Mn}_4\text{MO}_{15}$ (M = Cu, Zn): A Long-Range Magnetic Order in Pseudo-1D Materials. <i>Journal of the American Chemical Society</i> , 1999, 121, 3958-3967.	6.6	38
81	Prediction and Verification of the Structural Chemistry of New One-Dimensional Barium/Copper/Iridium Oxides. <i>Chemistry of Materials</i> , 1998, 10, 3536-3547.	3.2	44
82	Control of electronic properties by lanthanide size and manganese oxidation state in the MnIII/MnIV Ruddlesden-Popper phases $\text{Ln}_2\text{Sr}_{1+x}\text{Mn}_2\text{O}_7$. <i>Journal of Materials Chemistry</i> , 1997, 7, 977-988.	6.7	35
83	Modulated structure of $\text{Ba}_6\text{Zn}_4\text{O}_{15}$; a comparison with $\text{Ba}_6\text{Cu}_4\text{O}_{15}$ and $\text{SrMn}_2\text{Co}_3\text{O}_{15}$. <i>Journal of Materials Chemistry</i> , 1997, 7, 1559-1564.	6.7	40
84	Neutron diffraction study of the influence of structural disorder on the magnetic properties of Sr_2FeMO_6 (M=Ta, Sb). <i>Journal of Materials Chemistry</i> , 1997, 7, 459-463.	6.7	76
85	Neutron Diffraction Study of the Structural and Electronic Properties of $\text{Sr}_2\text{HoMn}_2\text{O}_7$ and $\text{Sr}_2\text{YMn}_2\text{O}_7$. <i>Chemistry of Materials</i> , 1997, 9, 3136-3143.	3.2	41
86	Synthesis, crystal structure and magnetic properties of $\text{A}_3\text{A}'_2\text{RuO}_6$ (A = Ca, Sr; A' = Li, Na). <i>Materials Research Bulletin</i> , 1997, 32, 139-150.	2.7	58
87	Sol-gel synthesis of the magnetically frustrated oxides $\text{Sr}_2\text{FeSbO}_6$ and SrLaFeSnO_6 . <i>Journal of Materials Chemistry</i> , 1995, 5, 75-78.	6.7	35
88	Investigation of magnetic frustration in A_2FeMO_6 (A = Ca, Sr, Ba; M = Nb, Ta, Sb) by magnetometry and Mössbauer spectroscopy. <i>Journal of Materials Chemistry</i> , 1995, 5, 865-870.	6.7	90
89	$\text{Sr}_4\text{C}_x\text{RhO}_6$: a magnetically ordered RhIV compound. <i>Journal of Materials Chemistry</i> , 1995, 5, 1785-1789.	6.7	38
90	Magnetic structures and properties of .alpha.-chromium phosphate and .alpha.-chromium arsenate. <i>Inorganic Chemistry</i> , 1989, 28, 1207-1213.	1.9	20

#	ARTICLE	IF	CITATIONS
91	Study of the magnetic properties of iron(III) molybdate, by susceptibility, Moessbauer, and neutron diffraction techniques. <i>Inorganic Chemistry</i> , 1982, 21, 4223-4228.	1.9	51
92	A study of anhydrous iron(III) sulfate by magnetic susceptibility, Moessbauer, and neutron diffraction techniques. <i>Inorganic Chemistry</i> , 1979, 18, 624-632.	1.9	77