

Alexander A Tsirlin

List of Publications by Year in descending order

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times ranked

6359
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#	ARTICLE	IF	CITATIONS
1	Kitaev Magnetism through the Prism of Lithium Iridate. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, 2100146.	1.5	14
2	Optical detection of the density-wave instability in the kagome metal KV ₃ Sb ₅ . <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	57
3	Role of Sb in the superconducting kagome metal CsV ₃ Sb ₅ revealed by its anisotropic compression. <i>SciPost Physics</i> , 2022, 12, .	4.9	29
4	Nematic state of the FeSe superconductor. <i>Physical Review B</i> , 2022, 105, .	3.2	3
5	Semiconducting and Metallic Compounds within the IrI ₃ Structure Type: Stability and Chemical Bonding. <i>Inorganic Chemistry</i> , 2022, 61, 3274-3280.	4.0	4
6	Composition dependent polymorphism and superconductivity in Y ₃ Rh ₄ Ge ₁₃ . <i>Dalton Transactions</i> , 2022, 51, 4734-4748.	3.3	3
7	Pressure-induced dimerization and collapse of antiferromagnetism in the Kitaev material Ir_2Te_3 . <i>Physical Review B</i> , 2022, 105, .	3.2	12
8	Optical study of RbVCl_3 : Multiple density-wave gaps and phonon anomalies. <i>Physical Review B</i> , 2022, 105, .	3.2	15
9	Acoustic phonon dispersion of RuCl_3 . <i>Physical Review B</i> , 2022, 106, .	3.2	7
10	Hybrid electrons in the trimerized GaV ₄ O ₈ . <i>Materials Horizons</i> , 2021, 8, 2325-2329.	12.2	3
11	Magnetic structures of Fe ₃₂ Ir ₂ Ge ₃₃ As ₂ and Fe ₃₂ Ir ₂ Ge ₃₅ As ₂ intermetallic compounds: a neutron diffraction and ⁵⁷ Fe Mössbauer spectroscopy study. <i>Dalton Transactions</i> , 2021, 50, 2210-2220.	3.3	2
12	Semiconducting and superconducting Mo ₆ Ga frameworks: total energy and chemical bonding. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1702-1709.	6.0	5
13	Quasi-one-dimensional magnetism in the spin- $\frac{1}{2}$ antiferromagnet $\text{BaNa}_2\text{Ru}_2\text{O}_7$. <i>Physical Review B</i> , 2021, 103, .	3.2	12
14	Spectroscopic trace of the Lifshitz transition and multivalley activation in thermoelectric SnSe under high pressure. <i>NPG Asia Materials</i> , 2021, 13, .	7.9	8
15	Angle-dependent thermodynamics of RuCl_3 . <i>Physical Review B</i> , 2021, 103, .	3.2	14
16	Experimental determination of the magnetic interactions of frustrated Cairo pentagon lattice materials. <i>Physical Review B</i> , 2021, 103, .	3.2	1
17	Towards cubic symmetry for Ir_2Te_3 : Structure and magnetism of the antiferromagnetic order and multipoles in the Ir_2Te_3 . <i>Physical Review B</i> , 2021, 103, .	3.2	13
18	Magnetic order and multipoles in the rhenium double perovskite YReO_6 . <i>Physica</i>		

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19	Low-dimensional magnetism of BaCuTe2O6. Physical Review B, 2021, 103, .	3.2	9
20	Frustrated magnet for adiabatic demagnetization cooling to milli-Kelvin temperatures. Communications Materials, 2021, 2, .	6.9	34
21	Cooperative Cluster Jahn-Teller Effect as a Possible Route to Antiferroelectricity. Physical Review Letters, 2021, 126, 187601.	7.8	12
22	Low-energy optical properties of the nonmagnetic kagome metal CsV_3Sb_5 . Physical Review B, 2021, 104, .	3.2	11
23	Structural Stability and Properties of Marokite-Type Mn_3O_4 . Inorganic Chemistry, 2021, 60, 13440-13452.	4.0	4
24	$\text{Li}_2\text{Mg}_3\text{N}_4$: A magnetically ordered metallic nitride. Physical Review Materials, 2021, 5, .	2.4	0
25	Synthesis of Ilmenite-type Mn_2O_3 and Its Properties. Inorganic Chemistry, 2021, 60, 13348-13358.	4.0	4
26	Universal fluctuating regime in triangular chromate antiferromagnets. Physical Review B, 2021, 104, .	3.2	11
27	$\text{Mo}_3\text{Si}_3\text{O}_{11}$: A Mo_3O_{11} interplay of magnetism and dimerization in the pressurized Kitaev material. Physical Review B, 2021, 104, .	3.2	3
28	Interplay of magnetism and dimerization in the pressurized Kitaev material $\text{Mo}_3\text{Si}_3\text{O}_{11}$. Physical Review B, 2021, 104, .	3.2	3
29	Antiferromagnetic resonance in the cubic iridium hexahalides Ir_2X_6 and $\text{NH}_4\text{Ir}_2\text{X}_6$. Physical Review B, 2021, 104, .	3.2	5
30	From $(S = 1)$ Spin Hexamer to Spin Tetradecamer by CuO Interstitials in $\text{A}_2\text{Cu}_3\text{O}(\text{CuO})_x(\text{SO}_4)_3$ ($A = \text{alkali}$). Inorganic Chemistry, 2021, 60, 18185-18191.	4.0	5
31	Quantum magnetism of ferromagnetic spin dimers in KVOPo_4 . Physical Review B, 2021, 104, .	3.2	5
32	A Room-Temperature Verwey-Type Transition in Iron Oxide, Fe_5O_6 . Angewandte Chemie, 2020, 132, 5681-5685.	2.0	2
33	A Room-Temperature Verwey-Type Transition in Iron Oxide, Fe_5O_6 . Angewandte Chemie - International Edition, 2020, 59, 5632-5636.	13.8	17
34	Field evolution of the spin-liquid candidate YbMgGaO_4 . Physical Review B, 2020, 102, .	3.2	9
35	Range paths for octahedrally and tetrahedrally coordinated Mn^{2+} ions in the honeycomb multiferroic Mn_2O_7 . Physical Review B, 2020, 102, .	3.2	9
36	Crystal structure, phase transition and properties of indium (In) sulfide. Dalton Transactions, 2020, 49, 15903-15913.	3.3	10

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37	Mo ₆ Ga ₃₁ endohedral cluster superconductor. Journal of Alloys and Compounds, 2020, 848, 156400.	5.5	11
38	Thermodynamic Perspective on Field-Induced Behavior of RuCl_2 Physical Review Letters, 2020, 125, 097203.	7.8	42
39	Structure, phonons, and orbital degrees of freedom in FeO Physical Review B, 2020, 102, .	3.2	23
40	Magnetic hexamers interacting in layers in the (Na,K)2Cu3O(SO4)3 minerals. Physical Review B, 2020, 102, .	3.2	11
41	Optical signatures of phase transitions and structural modulation in elemental tellurium under pressure. Physical Review B, 2020, 101, .	3.2	3
42	$\text{Li}_2(\text{Se}_2\text{O}_5)(\text{H}_2\text{O})_{1.5} \cdot \text{CuCl}_2$, a salt-inclusion diselenite structurally based on tetranuclear Li_4 complexes. Dalton Transactions, 2020, 49, 7790-7795.	3.3	7
43	Two types of alternating spin-chains and their field-induced transitions in Eu_2O_3 Physical Review B, 2020, 101, .	3.2	7
44	Synthesis, electronic structure and physical properties of two new layered compounds, EuF_9 and EuF_8Te , featuring the active redox pair $\text{Eu}^{2+}/\text{Ag}^{+}$. Dalton Transactions, 2020, 49, 7426-7435.	3.3	2
45	SrCu_2 under pressure: A first-principles study. Physical Review B, 2020, 101, .	3.2	7
46	Field evolution of low-energy excitations in the hyperhoneycomb magnet YbMgSk Physical Review B, 2020, 101, .	3.2	7
47	Spin liquids in geometrically perfect triangular antiferromagnets. Journal of Physics Condensed Matter, 2020, 32, 224004.	1.8	34
48	Two Linear Regimes in Optical Conductivity of a Type-I Weyl Semimetal: The Case of Elemental Tellurium. Physical Review Letters, 2020, 124, 136402.	7.8	17
49	Family of Mo ₄ Ga ₂₁ -Based Superconductors. Chemistry of Materials, 2020, 32, 6730-6735.	6.7	11
50	Partial Up-Up-Down Order with the Continuously Distributed Order Parameter in the Triangular Antiferromagnet TmMgGaO Physical Review X, 2020, 10, .	8.9	22
51	Innentitelbild: A Room-Temperature Verwey-type Transition in Iron Oxide, Fe_5O_6 (Angew. Chem. 14/2020). Angewandte Chemie, 2020, 132, 5450-5450.	2.0	0
52	EuNi_2P_4 , the first magnetic unconventional clathrate prepared via a mechanochemically assisted route. Inorganic Chemistry Frontiers, 2020, 7, 1115-1126.	6.0	8
53	$\text{Cu}_9\text{O}_2(\text{VO}_4)_4\text{Cl}_2$, the First Copper Oxychloride Vanadate: Mineralogically Inspired Synthesis and Magnetic Behavior. Inorganic Chemistry Frontiers, 2020, 7, 1115-1126.	4.0	17
54	Soft and anisotropic local moments in Mn_5O_{12} Physical Review B, 2020, 101, .	4.2	19

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55	Magnetic frustration in a metallic fcc lattice. Physical Review Research, 2020, 2, .	3.6	9
56	Persistent spin dynamics in the pressurized spin-liquid candidate YbMgGaO ₄ . Physical Review Research, 2020, 2, .	3.6	11
57	Realizing square and diamond lattice Heisenberg antiferromagnet models in the $S=1$ and $S=2$ phases of the coordination framework. Physical Review Materials, 2020, 4	2.4	6
58	Zigzag spin chains in the spin-5/2 antiferromagnet Ba ₂ Mn(PO ₄) ₂ . Inorganic Chemistry Frontiers, 2019, 6, 2736-2746.	6.0	7
59	Hydrotriphylites Li _{1-x} Fe _{1+x} (PO ₄) _{1-y} (OH) _{4y} as Cathode Materials for Li-ion Batteries. Chemistry of Materials, 2019, 31, 5035-5046.	4.3	13
60	Optical signature of the pressure-induced dimerization in the honeycomb iridate Li_2IrO_3 . Physical Review B, 2019, 99, .	3.2	11
61	Endohedral Cluster Superconductors in the MoGaSn System Explored by the Joint Flux Technique. Inorganic Chemistry, 2019, 58, 15552-15561.	4.0	13
62	Pressure-induced formation of rhodium zigzag chains in the honeycomb rhodate Li ₂ RhO ₃ . Physical Review B, 2019, 100, .	3.2	11
63	Gapless spin-liquid state in the structurally disorder-free triangular antiferromagnet NaYbO_2 . Physical Review B, 2019, 100, .	3.2	13
64	Bose-Einstein condensation of triplons close to the quantum critical point in the quasi-one-dimensional spin-1 antiferromagnet NaVOPO_4 . Physical Review B, 2019, 100, .	3.2	13
65	Singlet ground state in the alternating spin-1/2 chain compound NaVOAsO ₄ . Physical Review B, 2019, 99, .	3.2	11
66	From endohedral cluster superconductors to approximant phases: synthesis, crystal and electronic structure, and physical properties of Mo ₈ Ga ₄₁ xZnx and Mo ₇ Ga ₅₂ xZnx. Dalton Transactions, 2019, 48, 7853-7861.	3.3	9
67	Triplon Bose-Einstein condensation in the triangular-lattice compound NaYbO_2 . Physical Review B, 2019, 100, .	3.2	86
68	Cubic symmetry and magnetic frustration on the fcc spin lattice in K_2IrCl_6 . Physical Review B, 2019, 99, .	3.2	25
69	Thermodynamic evidence of fractionalized excitations in RuCl_2 . Physical Review B, 2019, 99, .	3.2	52
70	Rearrangement of Uncorrelated Valence Bonds Evidenced by Low-Energy Spin Excitations in YbMgGaO ₄ . Physical Review Letters, 2019, 122, 137201.	7.8	34
71	Field-induced double dome and Bose-Einstein condensation in the crossing quantum spin chain system AgVOAsO_4 . Physical Review B, 2019, 100, .	3.2	14
72	Synthesis, crystal and electronic structures of Pt-rich phosphides EuPt ₃ P and EuPt ₆ P ₂ . Dalton Transactions, 2019, 48, 15272-15282.	3.3	3

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73	Origin of up-up-down-down magnetic order in $\text{CuMn}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2019, 100, .	3.2	9
74	Large easy-axis anisotropy in the one-dimensional magnet BaMo_2O_7 . Physical Review B, 2019, 100, .	3.2	9
75	Crystal Structures and Low-Dimensional Ferromagnetism of Sodium Nickel Phosphates $\text{Na}_5\text{Ni}_2(\text{PO}_4)_3 \cdot \text{H}_2\text{O}$ and $\text{Na}_6\text{Ni}_2(\text{PO}_4)_3\text{OH}$. Inorganic Chemistry, 2019, 58, 610-621.	4.0	4
76	Chemical pressure in the correlated narrow-gap semiconductor FeGa_3 . Journal of Materials Science, 2019, 54, 2371-2378.	3.7	3
77	From $\text{Fe}_{32}+\text{Ge}_{35}\text{-P}$ to $\text{Fe}_{32}+\text{Ge}_{35}\text{-P As}$: Fine geometry optimization in new intergrowth structures. Journal of Alloys and Compounds, 2019, 779, 229-236.	5.5	2
78	Crystal Growth of Intermetallics from the Joint Flux: Exploratory Synthesis through the Control of Valence Electron Count. Inorganic Chemistry, 2019, 58, 1561-1570.	4.0	13
79	Strongly canted antiferromagnetic ground state in $\text{Cu}_3(\text{OH})_2\text{F}_4$. Journal of Alloys and Compounds, 2019, 776, 16-21.	5.5	3
80	Anisotropic temperature-field phase diagram of single crystalline LiMg_2O_4 : Magnetization, specific heat, and LiMg_2O_4 . Physical Review Materials, 2019, 3, .	2.4	17
81	High-pressure synthesis and properties of iron oxides. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e253-e253.	0.1	0
82	Structure-magnetic property correlations in metal-formate frameworks at high pressure. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e301-e301.	0.1	0
83	New clathrate-like compound $\text{Eu}_7\text{Cu}_{44}\text{Sb}_{23}\text{-Ir}$: synthesis, crystal and electronic structure, and the effect of As-for-Sb substitution on the magnetic properties. Intermetallics, 2018, 98, 1-10.	3.9	2
84	Competition between spin-orbit coupling, magnetism, and dimerization in the honeycomb iridates: Ir_2O_7 under pressure. Physical Review B, 2018, 97, .	3.2	61
85	Magnetism of coupled spin tetrahedra in ilinskite-type $\text{KCu}_5\text{O}_2(\text{SeO}_3)_2\text{Cl}_3$. Scientific Reports, 2018, 8, 2379.	3.3	17
86	Synthesis, crystal structure and physical properties of europium manganese fluoride pnictides, EuMnPnF (Pn = P, As, Sb). Journal of Solid State Chemistry, 2018, 258, 682-690.	2.9	9
87	Electrochemical behavior of LiV_3O_8 positive electrode in hybrid Li,Na-ion batteries. Journal of Power Sources, 2018, 373, 1-10.	7.8	15
88	Irreversible Made Reversible: Increasing the Electrochemical Capacity by Understanding the Structural Transformations of $\text{Na}_{0.5}\text{Co}_{0.5}\text{Ti}_{0.5}\text{O}_2$. ACS Applied Materials & Interfaces, 2018, 10, 36108-36119.	8.0	10
89	Pressure tuning of charge ordering in iron oxide. Nature Communications, 2018, 9, 4142.	12.8	22
90	Stripe order and magnetic anisotropy in the antiferromagnet BaMo_2O_7 . Physical Review B, 2018, 98, .	3.2	7

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91	Unraveling the complex magnetic structure of multiferroic pyroxene $\text{NaFeGe}_2\text{O}_6$: A combined experimental and theoretical study. Physical Review B, 2018, 98, .	3.2	10
92	Frustration of square cupola in SrTiO_3 . Physical Review B, 2018, 97, .	3.2	11
93	Gapped ground state in the zigzag pseudospin-1/2 quantum antiferromagnetic chain compound PrTiNbO_6 . Physical Review B, 2018, 97, .	3.2	11
94	Spin-induced multiferroicity in the binary perovskite manganite Mn_2O_3 . Nature Communications, 2018, 9, 2996.	12.8	38
95	Magneto-orbital texture in the perovskite modification of Mn_2O_3 . Physical Review B, 2018, 98, .	3.2	7
96	Magnetic resonance as a local probe for kagomé magnetism in Barlowite $\text{Cu}_4(\text{OH})_6\text{FBr}$. Scientific Reports, 2018, 8, 10851.	3.3	17
97	Compressibility of BiCu_2PO_6 : Polymorphism against $S = 1/2$ Magnetic Spin Ladders. Inorganic Chemistry, 2018, 57, 6038-6044.	4.0	7
98	Pressure dependence of spin canting in ammonium metal formate antiferromagnets. Physical Chemistry Chemical Physics, 2018, 20, 24465-24476.	2.8	7
99	Breakdown of Magnetic Order in the Pressurized Kitaev Iridate Li_2IrO_4 . Physical Review Letters, 2018, 120, 237202.	7.8	57
100	Antiferromagnetic ground state in the compound $\text{MnGa}_4\text{O}_{12}$. Physical Review Materials, 2018, 2, 031101.	2.4	10
101	Crystal structure and spin-trimer magnetism of BiCu_3O_7 . Physical Review B, 2017, 95, .	3.2	15
102	Crystal structure and spin-trimer magnetism of $\text{Rb}_{2.3}(\text{H}_{2.3}\text{O})_{0.8}\text{Mn}_3[\text{B}_4\text{P}_6\text{O}_{24}](\text{OH})$. Dalton Transactions, 2017, 46, 2957-2965.	4.3	3
103	Crystalline Electric-Field Randomness in the Triangular Lattice Spin-Liquid YbMgGaO_4 . Physical Review Letters, 2017, 118, 107202.	7.8	129
104	Structural and Magnetic Transitions in $\text{CaCo}_3\text{V}_4\text{O}_{12}$ Perovskite at Extreme Conditions. Inorganic Chemistry, 2017, 56, 6251-6263.	4.0	12
105	Nearest-neighbour resonating valence bonds in YbMgGaO_4 . Nature Communications, 2017, 8, 15814.	12.8	52
106	Frustrated spin chain physics near the Majumdar-Ghosh point in sizenicite Cu_3O . Physical Review B, 2017, 95, .	3.2	10
107	Composition-dependent charge transfer and phase separation in the $\text{V}_{1-x}\text{Re}_x\text{O}_2$ solid solution. Dalton Transactions, 2017, 46, 1606-1617.	3.3	3
108	Stripe order on the spin-1 stacked honeycomb lattice in BaNi_2O_7 . Physical Review B, 2017, 95, .	3.2	19

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109	Two-gap superconductivity in $\text{Mo}_8\text{Ga}_4\text{I}$ and its evolution upon vanadium substitution. <i>Physical Review B</i> , 2017, 96, .	3.2	24
110	Models and materials for generalized Kitaev magnetism. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 493002.	1.8	384
111	Spin-reorientation transitions in the Cairo pentagonal magnet $\text{Bi}_4\text{Fe}_5\text{O}_{13}\text{F}$. <i>Physical Review B</i> , 2017, 96, .	3.2	15
112	Correction: Composition-dependent charge transfer and phase separation in the $\text{V}_1\text{xRe}_\text{x}\text{O}_2$ solid solution. <i>Dalton Transactions</i> , 2017, 46, 16711-16711.	3.3	0
113	Pressure-Induced Ferromagnetism due to an Anisotropic Electronic Topological Transition in Fe_2O_3 . <i>Physical Review Letters</i> , 2017, 119, 227003.	7.8	7
114	High-pressure versus isoelectronic doping effect on the honeycomb iridate $\text{Na}_2\text{Ir}_2\text{O}_7$. <i>Physical Review B</i> , 2017, 96, .	3.2	27
115	Crystal Growth of the Nowotny Chimney Ladder Phase Fe_2Ge_3 : Exploring New Fe-Based Narrow-Gap Semiconductor with Promising Thermoelectric Performance. <i>Chemistry of Materials</i> , 2017, 29, 9954-9963.	6.7	27
116	Persistent low-temperature spin dynamics in the mixed-valence iridate $\text{Ba}_3\text{Ir}_2\text{O}_9$. <i>Physical Review B</i> , 2017, 96, .	3.2	24
117	Alternating spin chain compound AgVOAsO_4 probed by ^{75}As NMR. <i>Physical Review B</i> , 2017, 96, .	3.2	10
118	Structure-property relationships in multiferroic metal formate frameworks under pressure. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1421-C1421.	0.1	0
119	Effect of Transition Metal Substitution on the Structure and Properties of a Clathrate-Like Compound $\text{Eu}_7\text{Cu}_4\text{As}_{23}$. <i>Materials</i> , 2016, 9, 587.	2.9	2
120	Interplay of magnetic sublattices in langite $\text{Cu}_4(\text{OH})_6\text{SO}_4 \cdot 2\text{H}_2\text{O}$. <i>New Journal of Physics</i> , 2016, 18, 033020.	2.9	7
121	Layered-to-Tunnel Structure Transformation and Oxygen Redox Chemistry in LiRhO_2 upon Li Extraction and Insertion. <i>Inorganic Chemistry</i> , 2016, 55, 7079-7089.	4.0	20
122	Valence fluctuations of europium in the boride $\text{Eu}_4\text{Pd}_{29}\text{B}_8$. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 115601.	1.8	3
123	Nontrivial Recurrent Intergrowth Structure and Unusual Magnetic Behavior of Intermetallic Compound $\text{Fe}_{32}\text{IrGe}_{33}\text{As}_2$. <i>Inorganic Chemistry</i> , 2016, 55, 12953-12961.	4.0	5
124	Tuning the high-temperature properties of Pr_2NiO_4 by simultaneous Pr- and Ni-cation replacement. <i>RSC Advances</i> , 2016, 6, 33951-33958.	3.6	8
125	Charge-ordering transition in iron oxide Fe_4O_5 involving competing dimer and trimer formation. <i>Nature Chemistry</i> , 2016, 8, 501-508.	13.6	54
126	Low-Temperature Structure and Thermoelectric Properties of Pristine Synthetic Tetrahedrite $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$. <i>Chemistry of Materials</i> , 2016, 28, 6621-6627.	6.7	41

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127	Commensurate and incommensurate magnetic order in spin-1 chains stacked on the triangular lattice in Li_2O_8 . <i>Physical Review B</i> , 2016, 94, .	3.2	13
128	Role of iron in synthetic tetrahedrites revisited. <i>Journal of Solid State Chemistry</i> , 2016, 242, 62-69.	2.9	5
129	Magnetic anisotropy in the frustrated spin-chain compound Li_2O_8 . <i>Physical Review B</i> , 2016, 94, .	3.2	13
130	Muon Spin Relaxation Evidence for the U(1) Quantum Spin-Liquid Ground State in the Triangular Antiferromagnet YbMgGaO . <i>Physical Review Letters</i> , 2016, 117, 097201.	7.8	138
131	Hybridization and spin-orbit coupling effects in the quasi-one-dimensional spin-1 magnet $\text{Ba}_3\text{Cu}_3\text{Sc}_4\text{O}_{12}$. <i>Physical Review B</i> , 2016, 94, .	3.2	10
132	Structural and Thermodynamic Stability of the CaF_2 -Structure Type: A Case Study of the EuZnPn Series. <i>Inorganic Chemistry</i> , 2016, 55, 12409-12418.	4.0	13
133	New Fe-based layered telluride $\text{Fe}_3\text{As}_2\text{Te}_2$: synthesis, crystal structure and physical properties. <i>Dalton Transactions</i> , 2016, 45, 16938-16947.	3.3	10
134	Effect of Co and Ni substitution on the two magnetostructural phase transitions in $\text{Fe}_{1.12}\text{O}$. <i>Physical Review B</i> , 2016, 93, .	3.2	11
135	Strong electron-phonon coupling in the intermetallic superconductor Mo_3Sb_7 . <i>Physical Review B</i> , 2016, 93, .	3.2	11
136	1/3 magnetization plateau and frustrated ferrimagnetism in a sodium iron phosphite. <i>Physical Review B</i> , 2016, 93, .	3.2	7
137	Hydration-induced spin-glass state in a frustrated Na-Mn-O triangular lattice. <i>Physical Review B</i> , 2016, 93, .	3.2	11
138	First-principles study of the magnetic ground state and magnetization process of the kagome francisites Cu_3Bi . <i>Physical Review B</i> , 2016, 94, .	3.2	11
139	Antisite Disorder and Bond Valence Compensation in Li_2FePO_4 Cathode for Li-Ion Batteries. <i>Chemistry of Materials</i> , 2016, 28, 7578-7581.	6.7	20
140	Ternary borides $\text{Nb}_7\text{Fe}_3\text{B}_8$ and $\text{Ta}_7\text{Fe}_3\text{B}_8$ with Kagome-type iron framework. <i>Dalton Transactions</i> , 2016, 45, 9590-9600.	3.3	10
141	Role of iron in synthetic tetrahedrites revisited. <i>Journal of Solid State Chemistry</i> , 2016, 235, 28-35.	2.9	16
142	Synthesis, structure and magnetic ordering of the mullite-type $\text{Bi}_2\text{Fe}_4\text{Cr}_9\text{O}_{29}$ solid solutions with a frustrated pentagonal Cairo lattice. <i>Dalton Transactions</i> , 2016, 45, 1192-1200.	3.3	11
143	Homologous Series: Slicing Perovskite Structure with Planar Interfaces Containing Anatase-like Chains. <i>Inorganic Chemistry</i> , 2016, 55, 1245-1257.	4.0	7
144	Crystal growth, electronic structure, and properties of Ni-substituted FeGa . <i>Journal of Solid State Chemistry</i> , 2016, 236, 166-172.	2.9	12

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145	Anisotropic Ru in the multiple magnetic transitions in the spin-antiferromagnet $Ru_1Ru_2O_6$. Physical Review B, 2015, 92, .	3.2	169
146	Antiferromagnet $SrCuTe_2$. Physical Review B, 2015, 92, .	3.2	34
147	Frustrated three-dimensional antiferromagnet Li_2O . Physical Review B, 2015, 92, .	3.2	34
148	Covalency effects reflected in the magnetic form factor of low-dimensional cuprates. Physical Review B, 2015, 92, .	3.2	10
149	Trapping of Oxygen Vacancies at Crystallographic Shear Planes in Acceptor-Doped Pb-Based Ferroelectrics. Angewandte Chemie - International Edition, 2015, 54, 14787-14790.	13.8	7
150	One-dimensional quantum magnetism in the anhydrous alum $KTi(SO_4)_2$. New Journal of Physics, 2015, 17, 113035.	2.9	12
151	Lithium Insertion into Li_2MoO_4 : Reversible Formation of $(Li_3Mo)O_4$ with a Disordered Rock-Salt Structure. Chemistry of Materials, 2015, 27, 4485-4492.	6.7	27
152	Collinear order in the frustrated three-dimensional spin-antiferromagnet Li_2O . Physical Review B, 2015, 92, .	3.2	34
153	{110}-Layered B-cation ordering in the anion-deficient perovskite $Pb_2.4Ba_2.6Fe_2Sc_2TiO_{13}$ with the crystallographic shear structure. Dalton Transactions, 2015, 44, 10753-10762.	3.3	2
154	An unusual high-spin ground state of Co^{3+} in octahedral coordination in brownmillerite-type cobalt oxide. Dalton Transactions, 2015, 44, 10708-10713.	3.3	46
155	Frustration and Dzyaloshinsky-Moriya anisotropy in the Kagome spin-ice Cu_3Bi . Physical Review B, 2015, 91, .	3.2	46
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