

Aleksandr Vasilyev

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Cu ₉ O ₂ (SeO ₃) ₄ Cl ₆ revisited: Crystal structure, Raman scattering and first-principles calculations. Journal of Alloys and Compounds, 2022, 894, 162291.	5.5	2
2	Boson heat capacity peak and its evolution with the enthalpy state and defect concentration in a high entropy bulk metallic glass. Intermetallics, 2022, 141, 107422.	3.9	4
3	Commensurate helicoidal order in the triangular layered magnet Na_2O_6 . Physical Review B, 2022, 105, .	3.2	7
4	A Novel Mineral-like Copper Phosphate Chloride with a Disordered Guest Structure: Crystal Chemistry and Magnetic Properties. Materials, 2022, 15, 1411.	2.9	5
5	Nonstoichiometric Ellenbergerite-Type Phosphates: Hydrothermal Synthesis, Crystal Chemistry, and Magnetic Behavior. Inorganic Chemistry, 2022, 61, 4879-4886.	4.0	5
6	Magnetic Properties of A ₂ Ni ₂ TeO ₆ (A = K, Li): Zigzag Order in the Honeycomb Layers of Ni ²⁺ Ions Induced by First and Third Nearest-Neighbor Spin Exchanges. Materials, 2022, 15, 2563.	2.9	8
7	Low-temperature specific-heat studies on two square-kagome antiferromagnets. Physical Review B, 2022, 105, .	3.2	10
8	Linear magnetoelastic coupling and magnetic phase diagrams of the buckled-kagomé antiferromagnet $\text{Cu}_3\text{Bi}(\text{SeO}_3)_2\text{O}_2\text{Cl}$. Scientific Reports, 2022, 12, 7383.	3.3	4
9	Composite silicon-iron nanoparticles: physical properties and potential application in MRI contrasting. Journal of Nanoparticle Research, 2022, 24, .	1.9	1
10	Long range ordered, dimerized, large- <i>D</i> and Haldane phases in spin 1 chain compounds. Critical Reviews in Solid State and Materials Sciences, 2021, 46, 371-383.	12.3	13
11	Evolution of vortex matter, phase diagram, and upper critical field in the FeSe _{1-x} S _x system. Superconductor Science and Technology, 2021, 34, 035019.	3.5	4
12	Spin dynamics in the alternating chain system $\text{Li}_3\text{Mn}_2\text{O}_7$ with defects probed by nuclear magnetic resonance. Physical Review B, 2021, 103, .	3.2	11
13	Impact of Impurity Phases and Superstoichiometric Iron on the Critical Temperature of Iron Chalcogenides. JETP Letters, 2021, 113, 454-460.	1.4	2
14	Francisites as new geometrically frustrated quasi-two-dimensional magnets. Physics-Uspekhi, 2021, 64, 344-356.	2.2	8
15	A Family of Lanthanide Hydroxo Carboxylates with 1D Polymeric Topology and Ln ₄ Butterfly Core Exhibits Switchable Supramolecular Arrangement. Inorganic Chemistry, 2021, 60, 8049-8061.	4.0	18
16	Halloysite Nanotubes with Immobilized Plasmonic Nanoparticles for Biophotonic Applications. Applied Sciences (Switzerland), 2021, 11, 4565.	2.5	7
17	An Orthorhombic Modification of KCoPO ₄ Stabilized under Hydrothermal Conditions: Crystal Chemistry and Magnetic Behavior. Inorganic Chemistry, 2021, 60, 9461-9470.	4.0	5
18	Hydrothermal Synthesis and a Composite Crystal Structure of Na ₆ Cu ₇ BiO ₄ (PO ₄) ₄ [Cl,(OH)] ₃ as a Candidate for Quantum Spin Liquid. Inorganic Chemistry, 2021, 60, 11450-11457.	4.0	19

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19	Quasi-1D XY antiferromagnet Sr ₂ Ni(SeO ₃) ₂ Cl ₂ at Sakai-Takahashi phase diagram. Scientific Reports, 2021, 11, 15002.	3.3	1
20	Cadmium copper selenite chloride, CdCu ₂ (SeO ₃) ₂ Cl ₂ , an insulating spin gap system. Journal of Solid State Chemistry, 2021, 303, 122518.	2.9	0
21	Field-induced single-ion magnet based on a quasi-octahedral Co(II) complex with mixed sulfur-oxygen coordination environment. Dalton Transactions, 2021, 50, 13815-13822.	3.3	8
22	Observation of a Ubiquitous (I _h , I _c)-Type Nematic Superconducting Order in the Whole Superconducting Dome of Ultra-Thin BaFe _{2-x} Ni _x As ₂ Single Crystals. Chinese Physics Letters, 2021, 38, 097401.	3.3	1
23	Chirality and Magnetocaloricity in GdFeTeO ₆ as Compared to GdGaTeO ₆ . Materials, 2021, 14, 5954.	2.9	2
24	A Series of Novel Pentagonal-Bipyramidal Erbium(III) Complexes with Acyclic Chelating N ₃ O ₂ Schiff-Base Ligands: Synthesis, Structure, and Magnetism. Molecules, 2021, 26, 6908.	3.8	9
25	Peculiar Spin-Crossover Behavior in the 2D Polymer K ₂ [Fe(5Cl-thsa) ₂]. Inorganic Chemistry, 2021, 60, 17462-17479.	4.0	4
26	Effects of Non-Stoichiometry on the Ground State of the Frustrated System Li _{0.8} Ni _{0.6} Sb _{0.4} O ₂ . Materials, 2021, 14, 6785.	2.9	1
27	Magnetic behavior of the novel pentagonal-bipyramidal erbium(III) complex (Et ₃ NH)[Er(H ₂ DAPS)Cl ₂]: high-frequency EPR study and crystal-field analysis. Dalton Transactions, 2021, 50, 18143-18154.	3.3	4
28	Iron-Based Low-Dimensional Magnets. Moscow University Physics Bulletin (English Translation of) 10 Tf 50	0.4	0
29	Magnetic structure study of the sawtooth chain antiferromagnet $\text{Fe}_2\text{Se}_2\text{O}_7$. Scientific Reports, 2021, 11, 24049.	3.3	6
30	Forming a ferrimagnetic-like structure in the PbMn _{1-x} FexBO ₄ (x ≈ 0.1) single crystal upon partial substitution. Journal of Magnetism and Magnetic Materials, 2020, 497, 165997.	2.3	5
31	MnSnTeO ₆ : A Chiral Antiferromagnet Prepared by a Two-Step Topotactic Transformation. Inorganic Chemistry, 2020, 59, 1532-1546.	4.0	0
32	Magnetic hyperfine interactions in a sawtooth chain iron oxoselenite Fe ₂ O(SeO ₃) ₂ : Experimental and theoretical Investigation. Journal of Alloys and Compounds, 2020, 822, 153549.	5.5	4
33	End-to-End Azido-Bridged Lanthanide Chain Complexes (Dy, Er, Gd, and Y) with a Pentadentate Schiff-Base [N ₃ O ₂] Ligand: Synthesis, Structure, and Magnetism. Inorganic Chemistry, 2020, 59, 563-578.	4.0	30
34	Hidden magnetic order in the triangular-lattice magnet LiMn_2O_4 . Physical Review B, 2020, 102, .	2.2	6
35	Multisite Magnetic Properties of a Novel SCO [Fe(3-OMeSal ₂ trien)][Fe(CH ₃ CN) ₃]. European Journal of Inorganic Chemistry, 2020, 2020, 4556-4567.	2.0	3
36	The first pentagonal-bipyramidal vanadium(III) complexes with a Schiff-base N ₃ O ₂ pentadentate ligand: synthesis, structure and magnetic properties. Dalton Transactions, 2020, 49, 15287-15298.	3.3	16

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37	Ten-Coordinate Lanthanide [Ln(HL)(L)] Complexes (Ln = Dy, Ho, Er, Tb) with Pentadentate N3O2-Type Schiff-Base Ligands: Synthesis, Structure and Magnetism. Magnetochemistry, 2020, 6, 60.	2.4	9
38	Co(NO ₃) ₂ as an inverted umbrella-type chiral noncoplanar ferrimagnet. Physical Review B, 2020, 102, .	3.2	5
39	Growth of Transition-Metal Dichalcogenides by Solvent Evaporation Technique. Crystal Growth and Design, 2020, 20, 6930-6938.	3.0	11
40	Short-range and long-range magnetic order in $\text{Fe}_5\text{O}_5\text{Cl}$. Physical Review B, 2020, 102, .	3.2	2
41	Fine-Tuning of Uniaxial Anisotropy and Slow Relaxation of Magnetization in the Hexacoordinate Co(II) Complexes with Acidoligands. Journal of Physical Chemistry C, 2020, 124, 25957-25966.	3.1	12
42	Crystal structure and thermodynamic properties of dinickel diphosphate dihydrate $\text{Ni}_2(\text{H}_2\text{O})_2[\text{P}_2\text{O}_7]$. Dalton Transactions, 2020, 49, 17368-17374.	3.3	0
43	Magnetocaloric properties of $\text{Ni}^{2+}\text{Mn}^{1+}\text{Ga}$ with coupled magnetostructural phase transition. Journal of Applied Physics, 2020, 127, .	2.5	9
44	Thermodynamic and resonant properties of mixed spin compounds $\text{ACuFe}_2(\text{VO}_4)_3$ (A = Li, Na). Journal of Alloys and Compounds, 2020, 842, 155763.	5.5	2
45	Two-dimensional square-lattice antimonate $\text{NaMnSb}_4\text{O}_{12}$. Physical Review B, 2020, 102, .	3.2	4
46	Spin dynamics in two ReF_6 -based single-molecule magnets from NMR and ac susceptibility measurements. Physical Review B, 2020, 101, .	3.2	1
47	One-dimensional magnet basic copper(ii) dihydroxoborate $\text{Cu}_2\{\text{BO}(\text{OH})_2\}(\text{OH})_3$: synthesis and properties. Russian Chemical Bulletin, 2020, 69, 704-711.	1.5	2
48	Strongly coupled charge, orbital, and spin order in TbTe_3 . Physical Review B, 2020, 102, .	3.2	1
49	Multiband effect in elastoresistance of $\text{Fe}(\text{Se},\text{Te})$. Europhysics Letters, 2020, 131, 57001.	2.0	0
50	Synthesis and Characterization of Sodium-Iron Antimonate $\text{Na}_2\text{FeSbO}_5$: One-Dimensional Antiferromagnetic Chain Compound with a Spin-Glass Ground State. Inorganic Chemistry, 2019, 58, 11333-11350.	4.0	8
51	Synthesis, structure and magnetic properties of honeycomb-layered $\text{Li}_3\text{Co}_2\text{SbO}_6$ with new data on its sodium precursor, $\text{Na}_3\text{Co}_2\text{SbO}_6$. New Journal of Chemistry, 2019, 43, 13545-13553.	2.8	32
52	Thermoelectric power and its correlation with conductivity in NbS_3 whiskers. Physical Review B, 2019, 99, .	3.2	10
53	Thermodynamic properties and rare-earth spectroscopy of $\text{Cu}_3\text{Nd}(\text{SeO}_3)_2\text{O}_2\text{X}$ (X = Cl, Br). Journal of Magnetism and Magnetic Materials, 2019, 492, 165721.	2.3	11
54	Short-Range and Long-Range Order in AFM-FM Exchange Coupled Compound $\text{LiCu}_2(\text{VO}_4)(\text{OH})_2$. Journal of Physical Chemistry C, 2019, 123, 17933-17942.	3.1	2

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55	Observation of orbital ordering and origin of the nematic order in FeSe. <i>New Journal of Physics</i> , 2019, 21, 103033.	2.9	8
56	Rb ₂ CaCu ₆ (PO ₄) ₄ O ₂ , a novel oxophosphate with a shchurovskyite-type topology: synthesis, structure, magnetic properties and crystal chemistry of rubidium copper phosphates. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 903-913.	1.1	3
57	Short-Lived Electron Excitations in FeTe _{1-x} Se _x as Revealed by Microwave Absorption. <i>Journal of Experimental and Theoretical Physics</i> , 2019, 129, 81-85.	0.9	0
58	The First Conducting Spin-Crossover Compound Combining a Mn ^{III} Cation Complex with Electroactive TCNQ Demonstrating an Abrupt Spin Transition with a Hysteresis of 50 K. <i>Chemistry - A European Journal</i> , 2019, 25, 10204-10213.	3.3	46
59	Pressure-induced reentrant transition in $Sr_3Nb_3O_{10}$ phases: Combined Raman scattering and x-ray diffraction study. <i>Physical Review B</i> , 2019, 99, .	3.2	5
60	Spin-crossover behavior of neutral iron(III) complexes with salicylaldehyde thio-, seleno- and semicarbazone ligands: experiment and theoretical analysis. <i>Dalton Transactions</i> , 2019, 48, 9328-9336.	3.3	10
61	Measurements of the superconducting anisotropy in FeSe with a resonance frequency technique. <i>AIP Advances</i> , 2019, 9, .	1.3	7
62	Crystal chemistry and physical properties of the A ₂ M ₃ (H ₂ O) ₂ [B ₄ P ₆ O ₂₄ (OH) ₂] (A = Cs, Rb; M = Ni, Cu, (Ni, Tj) ETQ0 0 0 rgBT /Overlo	3.3	2
63	Field-induced single-ion magnet behaviour of a hexacoordinated Co(II) complex with easy-axis-type magnetic anisotropy. <i>Dalton Transactions</i> , 2019, 48, 6960-6970.	3.3	28
64	Vortex-core properties and vortex-lattice transformation in FeSe. <i>Physical Review B</i> , 2019, 99, .	3.2	15
65	Preparation, Crystal Chemistry, and Hidden Magnetic Order in the Family of Trigonal Layered Tellurates A ₂ Mn(4+)TeO ₆ (A = Li, Na, Ag, or Tl). <i>Inorganic Chemistry</i> , 2019, 58, 5524-5532.	4.0	8
66	Majority carrier type inversion in the FeSe family and a doped semimetal scheme in iron-based superconductors. <i>Superconductor Science and Technology</i> , 2019, 32, 065005.	3.5	4
67	Relationship Between the Boson Heat Capacity Peak and the Excess Enthalpy of a Metallic Glass. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900046.	2.4	9
68	Plasmonic Properties of Halloysite Nanotubes with Immobilized Silver Nanoparticles for Applications in Surface-Enhanced Raman Scattering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800886.	1.8	9
69	The decisive role of magnetic anisotropy in honeycomb layered Li ₃ Ni ₂ SbO ₆ and Na ₃ Ni ₂ SbO ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 481, 100-103.	2.3	3
70	Flat-band spin dynamics and phonon anomalies of the saw-tooth spin-chain system Fe_2O_3 . <i>Physical Review B</i> , 2019, 99, .	3.2	10
71	A commensurately modulated crystal structure and the physical properties of a novel polymorph of the caesium manganese phosphate CsMnPO ₄ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 822-829.	1.1	3
72	PbMnTeO ₆ : a chiral quasi 2D magnet with all cations in octahedral coordination and the space group problem of trigonal layered A ²⁺ M ⁴⁺ TeO ₆ . <i>Dalton Transactions</i> , 2019, 48, 17070-17077.	3.3	5

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73	Antiferromagnetic type I multiferroic Cu_2O . <i>Journal of Alloys and Compounds</i> , 2019, 778, 756-760.	3.2	7
74	Crystal Structures and Low-Dimensional Ferromagnetism of Sodium Nickel Phosphates $Na_5Ni_2(PO_4)_3 \cdot H_2O$ and $Na_6Ni_2(PO_4)_3OH$. <i>Inorganic Chemistry</i> , 2019, 58, 610-621.	4.0	4
75	Low temperature thermodynamics of Yb_6MoO_{12} and Lu_6MoO_{12} . <i>Journal of Alloys and Compounds</i> , 2019, 778, 756-760.	5.5	8
76	Reactive spark plasma sintering and thermoelectric properties of Nd-substituted $BiCuSeO$ oxyselenides. <i>Journal of Alloys and Compounds</i> , 2019, 785, 96-104.	5.5	18
77	Strongly canted antiferromagnetic ground state in $Cu_3(OH)_2F_4$. <i>Journal of Alloys and Compounds</i> , 2019, 776, 16-21.	5.5	3
78	Spin Dynamics of Two-Dimensional Triangular-Lattice Antiferromagnet $3R-AgFeO_2$. <i>Applied Magnetic Resonance</i> , 2019, 50, 637-648.	1.2	1
79	3D visualizations of nanoscale phase separation and ultrafast dynamic correlation between phases in $Ca_2Fe_2O_7$. <i>Journal of Alloys and Compounds</i> , 2019, 785, 105-110.	2.4	1
80	Chain caesium borophosphates with B:P ratio 1:2: synthesis, structure relationships and low-temperature thermodynamic properties. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 1174-1185.	1.1	4
81	Multifunctional Compound Combining Conductivity and Single-Molecule Magnetism in the Same Temperature Range. <i>Inorganic Chemistry</i> , 2018, 57, 2386-2389.	4.0	24
82	A novel representative in the rare family of trivanadates, $KMn_2V_3O_{10}$: synthesis, crystal structure and magnetic properties. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 97-103.	1.1	5
83	Milestones of low-D quantum magnetism. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	124
84	Tuning of physical properties of $Fe_7(PO_4)_6$ by sodium intercalation. <i>Journal of Alloys and Compounds</i> , 2018, 744, 600-605.	5.5	5
85	Boson Heat Capacity Peak in Metallic Glasses: Evidence of the Same Defect-Induced Heat Absorption Mechanism in Structurally Relaxed and Partially Crystallized States. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1700412.	2.4	11
86	Canted antiferromagnet superimposed on a buckled kagomé network in $RbMn_4(PO_4)_3$. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 641-649.	0.5	6
87	Electronic structure and magnetic properties of the strong-rung spin-1 ladder compound $Rb_3Ni_2(NO_3)_7$. <i>Physical Review B</i> , 2018, 97, .	3.2	4
88	Metal-loaded pollucite-like aluminophosphates: dissymmetrisation of crystal structures and physical properties. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 633-640.	0.8	2
89	Upper critical fields in $BaCu_2O_{7-x}$ single crystals: Evidence for dominant Pauli paramagnetic effect. <i>Physical Review B</i> , 2018, 97, .	3.2	2
90	Single crystal growth, transport and scanning tunneling microscopy and spectroscopy of $FeSe_{1-x}S_x$. <i>CrystEngComm</i> , 2018, 20, 2449-2454.	2.6	17

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91	Coexistence of the magnetically ordered and Haldane states in $(Y_{1-x}Nd_x)_2BaNiO_5$. EPJ Web of Conferences, 2018, 185, 03003.	0.3	0
92	Trigonal layered rosielite-related antiferromagnet $MnSnTeO_6$: ion-exchange preparation, structure and magnetic properties. Dalton Transactions, 2018, 47, 14760-14766. Spin-Order-Induced Ferromagnetism and Magnetoelectric Effect in $MnSnTeO_6$	3.3	5
93	$LiCu_2VO_4$ Tj ETQ 2018, 10, .	3.8	8
94	High-pressure phase diagram of $NdFeAsO_{0.9}F_{0.1}$: Disappearance of superconductivity on the verge of ferromagnetism from Nd moments. Physical Review B, 2018, 98, .	3.2	8
95	Thermodynamic Properties, Mössbauer Study, and First-Principles Calculations of $TiFe(MoO_4)_2$. Journal of Physical Chemistry C, 2018, 122, 19746-19755.	3.1	4
96	Causes of the Metamagnetism in a Disordered $EuMn_{0.5}Co_{0.5}O_3$ Perovskite. Journal of Experimental and Theoretical Physics, 2018, 126, 811-815.	0.9	2
97	Magnetism and the phase diagram of $MnSb_2O_6$. Physical Review B, 2018, 97, .	3.2	3
98	Superconducting gap symmetry in the superconductor $BaFe_{1.9}Ni_{0.1}As_2$. Physical Review B, 2018, 97, .	3.2	5
99	Metamagnetic transition in the system $Eu_{1-x}Sr_xMn_{0.5}Co_{0.5}O_3$ ($0 \leq x \leq 0.75$). Journal of Alloys and Compounds, 2018, 764, 359-363.	5.5	1
100	Highly mobile carriers in iron-based superconductors. Superconductor Science and Technology, 2017, 30, 035017.	3.5	15
101	Crystal structure and spin-trimer magnetism of $Rb_{2.3}(H_{2.2}O_{0.8})Mn_3[B_4P_6O_{24.4}(OH)_3]$. Dalton Transactions, 2017, 46, 2957-2965.	3.4	4
102	Preparation and characterization of metastable trigonal layered MSb_2O_6 phases (M = Co, Ni, Cu, Zn, and Mg) and considerations on $FeSb_2O_6$. Dalton Transactions, 2017, 46, 6059-6068.	3.3	12
103	Doping of $Bi_4Fe_5O_{13}F$ with pentagonal Cairo lattice with Cr and Mn: Synthesis, structure and magnetic properties. Materials Research Bulletin, 2017, 87, 54-60.	5.2	1
104	Effect of NaF doping on the thermoelectric properties of $Ca_3Co_4O_9$. Journal of Alloys and Compounds, 2017, 695, 2844-2849.	5.5	23
105	Magnetism of polyanionic compounds of transition metals (Review Article). Low Temperature Physics, 2017, 43, 529-542.	0.6	4
106	Magnetically frustrated synthetic end member $Mn_2(PO_4)_3OH$ in the triplite-triplodite family. Dalton Transactions, 2017, 46, 8680-8686.	3.3	7
107	Crystal Structure, Defects, Magnetic and Dielectric Properties of the Layered $Bi_{3n+1}Ti_7Fe_{3n+1}O_{9n+11}$ Perovskite-Anatase Intergrowths. Inorganic Chemistry, 2017, 56, 931-942.	4.0	5
108	Halloysite nanotubes with immobilized silver nanoparticles for anti-bacterial application. Colloids and Surfaces B: Biointerfaces, 2017, 151, 249-254.	5.0	61

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109	Anisotropic effect of appearing superconductivity on the electron transport in FeSe. JETP Letters, 2017, 105, 786-791.	1.4	9
110	$A_{2}MnXO_{4}$ Family (A = Li, Na, Ag; X = Si, Ge): Structural and Magnetic Properties. Inorganic Chemistry, 2017, 56, 14023-14039.	4.0	19
111	Superconducting gaps in FeSe studied by soft point-contact Andreev reflection spectroscopy. Physical Review B, 2017, 96, .	3.2	11
112	Lattice and magnetic instabilities in $Cu_{3}Bi_{3}O_{10}$. Physical Review B, 2017, 96, .	3.2	17
113	Gossamer high-temperature bulk superconductivity in FeSe. Physical Review B, 2017, 95, .	3.2	14
114	Spin ^{1/2} Singlet Quantum Ground State in Zigzag Spin Ladder $Cu(CF_{3}COO)_{2}$. ChemPhysChem, 2017, 18, 2482-2486.	2.1	6
115	Unveiling the hidden nematicity and spin subsystem in FeSe. Npj Quantum Materials, 2017, 2, .	5.2	33
116	Interplay of rare-earth and transition-metal subsystems in $Cu_{3}Yb_{3}O_{10}$. Physical Review B, 2017, 96, .	3.2	17
117	High-pressure behavior of superconducting boron-doped diamond. Physical Review B, 2017, 95, .	3.2	17
118	Static and dynamic magnetic properties of two synthetic francisites $Cu_{3}La(SeO_{3})_{2}O_{2}X$ (X = Br and Cl). Physics and Chemistry of Minerals, 2017, 44, 277-285.	0.8	19
119	Anisotropic Superconducting Gaps and Boson Mode in FeSe $1 \times 1 \times 1$ Single Crystals. Journal of Superconductivity and Novel Magnetism, 2017, 30, 763-768.	1.8	2
120	Wide-Range Tuning of the Mo Oxidation State in $La_{1-x}Sr_{x}Fe_{2/3}Mo_{1/3}O_{3}$ Perovskites. European Journal of Inorganic Chemistry, 2016, 2016, 2942-2951.	2.0	1
121	Laser-synthesized oxide-passivated bright Si quantum dots for bioimaging. Scientific Reports, 2016, 6, 24732.	3.3	70
122	Analysis of nonlinear conductivity of point contacts on the base of FeSe in the normal and superconducting state. Low Temperature Physics, 2016, 42, 31-35.	0.6	5
123	Orbitally induced hierarchy of exchange interactions in the zigzag antiferromagnetic state of honeycomb silver delafossite $Ag_{3}Co_{2}SbO_{6}$. Dalton Transactions, 2016, 45, 7373-7384.	3.3	36
124	Thermoelectric Properties of Polyacrylonitrile-Based Nanocomposite. Journal of Electronic Materials, 2016, 45, 3440-3444.	2.2	1
125	Investigation of halloysite nanotubes with deposited silver nanoparticles by methods of optical spectroscopy. Physics of the Solid State, 2016, 58, 601-605.	0.6	9
126	Highly efficient energy transfer from quantum dot to allophycocyanin in hybrid structures. Journal of Photochemistry and Photobiology B: Biology, 2016, 160, 96-101.	3.8	7

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127	Magnetic anisotropy and the phase diagram of chiral MnSb . Physical Review B, 2016, 94, .	3.2	12
128	Static and Dynamic Magnetic Response of Fragmented Haldane-like Spin Chains in Layered $\text{Li}_3\text{Cu}_2\text{SbO}_6$. Journal of the Physical Society of Japan, 2016, 85, 084702.	1.6	22
129	Highly Anisotropic and Twofold Symmetric Superconducting Gap in Nematically Ordered FeSe . Physical Review Letters, 2016, 117, 157003.	1.8	0.93
130	Structure-Property Relationships in $\text{Mn}_3(\text{PO}_4)_2$ and Mn_3 -Modifications of $\text{Mn}_3(\text{PO}_4)_2$. Inorganic Chemistry, 2016, 55, 10692-10700.	4.0	15
131	Magnetic, resonance, and optical properties of Cu_3OCl . A rare-earth francisite compound. Physical Review B, 2016, 94, .	3.2	30
132	Hybridization and spin-orbit coupling effects in the quasi-one-dimensional spin-12 magnet $\text{Ba}_3\text{Cu}_3\text{Sc}_4\text{O}_{12}$. Physical Review B, 2016, 94, .	3.2	10
133	Control of coexisting magnetic phases by electric fields in $\text{NdFe}_3(\text{BO}_3)_4$. Physical Review B, 2016, 94, .	3.2	6
134	1/3 magnetization plateau and frustrated ferrimagnetism in a sodium iron phosphite. Physical Review B, 2016, 93, .	3.2	7
135	Doubling of the critical temperature of FeSe observed in point contacts. Physical Review B, 2016, 93, .	3.2	19
136	Impurity scattering effects on the superconducting properties and the tetragonal-to-orthorhombic phase transition in FeSe . Physical Review B, 2016, 93, .	3.2	38
137	New superconductor $\text{Li}_x\text{Fe}_{1-x}\text{Se}$ ($x \approx 0.07$, T_c up to 44 K) by an electrochemical route. Scientific Reports, 2016, 6, 25624.	3.3	22
138	Anomalous correlation effects and unique phase diagram of electron-doped FeSe revealed by photoemission spectroscopy. Nature Communications, 2016, 7, 10840.	12.8	144
139	Magnetic ground state of FeSe . Nature Communications, 2016, 7, 12182.	12.8	158
140	Two new lanthanide members of francisite family $\text{Cu}_3\text{Ln}(\text{SeO}_3)_2\text{O}_2\text{Cl}$ ($\text{Ln} = \text{Eu}, \text{Lu}$). Journal of Alloys and Compounds, 2016, 685, 442-447.	5.5	25
141	Strong interplay between stripe spin fluctuations, nematicity and superconductivity in FeSe . Nature Materials, 2016, 15, 159-163.	27.5	217
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143	Magnetic Properties of Nd and Sm Rare-Earth Metals After Severe Plastic Deformation. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	4
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