

Vladislav Kataev

List of Publications by Year in descending order

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5,458
citations

87888

38
h-index

102487

66
g-index

200
all docs

200
docs citations

200
times ranked

5958
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#	ARTICLE	IF	CITATIONS
1	A mononuclear iron(III) complex with unusual changes of color and magneto-structural properties with temperature: synthesis, structure, magnetization, multi-frequency ESR and DFT study. Dalton Transactions, 2022, 51, 2338-2345.	3.3	2
2	Low-energy excitations and magnetic anisotropy of the layered van der Waals antiferromagnet $\text{Ni}_2\text{P}_2\text{S}_6$. Physical Review B, 2021, 103, .	3.2	6
3	Pressure control of the magnetic anisotropy of the quasi-two-dimensional van der Waals ferromagnet Cr_2S_6 . Physical Review B, 2021, 103, .	3.2	16
4	Temperature-dependent dynamics of endohedral fullerene $\text{Sc}_2@C_{80}(\text{CH}_2)_2\text{Ph}$ studied by EPR spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 18206-18220.	2.8	4
5	Insights into the Spin-Orbital Entanglement in Complex Iridium Oxides from High-Field ESR Spectroscopy. Applied Magnetic Resonance, 2021, 52, 439-457.	1.2	0
6	Terahertz Magneto-Optical Excitations of the sd-Hybrid States of Lithium Nitridocobaltate $\text{Li}_2(\text{LiCo})\text{N}$. Inorganic Chemistry, 2021, 60, 4497-4507.	4.0	2
7	Infrared study of the multiband low-energy excitations of the topological antiferromagnet MnBi_2 . Physical Review B, 2021, 103, .	3.2	13
8	Strongly anisotropic spin dynamics in magnetic topological insulators. Physical Review B, 2021, 103, .	3.2	13
9	Frustration enhanced by Kitaev exchange in a triangular antiferromagnet. Physical Review B, 2021, 104, .	3.2	15
10	Magnetic-field tuning of the spin dynamics in the magnetic topological insulators MnBi_2 . Physical Review B, 2021, 104, .	3.2	15
11	Interplay of electron correlations, spin-orbit couplings, and structural effects for Cu centers in the quasi-two-dimensional magnet $\text{InCu}_2\text{V}_3\text{O}_3$. Physical Review B, 2020, 102, .	3.2	1
12	Tetranuclear Lanthanide Complexes Supported by Hydroxyquinoline $\text{Calix}[4]$ arene Ligands: Synthesis, Structure, and Magnetic Properties of $[\text{Ln}_4(\text{H}_2\text{O})_2(\text{NO}_3)_4]$ (Ln = Tb, Dy, Yb) and $[\text{Dy}_2(\text{H}_4\text{L})_2(\text{NO}_3)_3]$ (NO ₃). European Journal of Inorganic Chemistry, 2020, 2020, 4203-4214.	2.0	5
13	Unusually large hyperfine structure of the electron spin levels in an endohedral dimetallofullerene and its spin coherent properties. Nanoscale, 2020, 12, 20513-20521.	5.6	16
14	Electron Spin Resonance of Defects in Spin Chains DMTF_2X : A Versatile System Behaving Like Molecular Magnet. Applied Magnetic Resonance, 2020, 51, 1307-1320.	1.2	3
15	FMR Studies of Exchange-Biased Heusler Alloy Thin Films. Applied Magnetic Resonance, 2020, 51, 461-472.	1.2	0
16	Impact of dehydration and mechanical amorphization on the magnetic properties of $\text{Ni}(\text{MOF})_2$ -74. Journal of Materials Chemistry C, 2020, 8, 7132-7142.	5.5	21
17	Magnetic interactions in the tripod kagome antiferromagnet Mg_2O_{14} probed by static magnetometry and high-field ESR spectroscopy. Physical Review B, 2020, 102, .	3.2	10
18	Electron spin resonance and ferromagnetic resonance spectroscopy in the high-field phase of the van der Waals magnet CrCl_3 . Physical Review Materials, 2020, 4, .	2.4	24

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19	Superconducting switching due to a triplet component in the Pb/Cu/Ni/Cu/Co ₂ /Cr ₁ <i>x</i> /Fe _x /Al _y spin-valve structure. Beilstein Journal of Nanotechnology, 2019, 10, 1458-1463.	4.8	16
20	Effect of the Diamagnetic Single-Crystalline Host on the Angular-Resolved Electron Nuclear Double Resonance Experiments: Case of Paramagnetic [Cu(opba)] Embedded in Diamagnetic [Bu ₄ N] ₂ [Cu(opba)] Embedded in Diamagnetic [Ni(opba)]. Journal of Physical Chemistry Letters, 2019, 10, 6565-6571.	4.6	1
21	Superconducting spin-valve effect in heterostructures with ferromagnetic Heusler alloy layers. Physical Review B, 2019, 100, .	3.2	14
22	Ground state and low-temperature magnetism of the quasi-two-dimensional honeycomb compound $\text{InCu}_2\text{V}_3\text{O}_{10}$. Physical Review B, 2019, 100, .	3.2	5
23	Crystal size versus paddle wheel deformability: selective gated adsorption transitions of the switchable metal-organic frameworks DUT-8(Co) and DUT-8(Ni). Journal of Materials Chemistry A, 2019, 7, 21459-21475.	10.3	54
24	Zn and Co redox active coordination polymers as efficient electrocatalysts. Dalton Transactions, 2019, 48, 3601-3609.	3.3	41
25	A Phthalocyanine-Based Layered Two-Dimensional Conjugated Metal-Organic Framework as a Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2019, 58, 10677-10682.	13.8	278
26	Magnetic anisotropy and spin-polarized two-dimensional electron gas in the van der Waals ferromagnet Cr_2Te_3 . Physical Review B, 2019, 99, .	3.2	56
27	Magnetic interactions and spin dynamics in the bond-disordered pyrochlore fluoride $\text{NaCaCo}_2\text{F}_7$. Physical Review B, 2019, 99, .	3.2	6
28	Giant Spin-Valve Effect in Heterostructures with a Superconducting Layer. JETP Letters, 2019, 110, 342-347.	1.4	3
29	Topological Electronic Structure and Intrinsic Magnetization in MnBi_4Te_8 : A Topological Anomalous Metal. Physical Review X, 2019, 9, .	3.9	16
30	An unusual donor-acceptor system Mn ^{II} Pc-TCNQ/F ₄ -TCNQ and the properties of the mixed single crystals of metal phthalocyanines with organic acceptor molecules. Dalton Transactions, 2019, 48, 17252-17257.	3.3	3
31	Coherent spin dynamics of solitons in the organic spin chain compounds MnXCl_2 . Physical Review B, 2019, 100, .	3.2	6
32	Prediction and observation of an antiferromagnetic topological insulator. Nature, 2019, 576, 416-422.	27.8	701
33	Superconducting spin-valve effect in a heterostructure containing the Heusler alloy as a ferromagnetic layer. Journal of Magnetism and Magnetic Materials, 2018, 459, 7-11.	2.3	7
34	Magneto-structural correlations in oxalate-bridged Sr _{ii} Cr _{iii} coordination polymers: structure, magnetization, X-band, and high-field ESR studies. Dalton Transactions, 2018, 47, 3992-4000.	3.3	11
35	Electrochemical generation and observation by magnetic resonance of superparamagnetic cobalt nanoparticles. Electrochimica Acta, 2018, 260, 324-329.	5.2	13
36	Signatures of low-energy fractionalized excitations in Mn_2Te from field-dependent microwave absorption. Physical Review B, 2018, 98, .	3.2	11

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37	Static and dynamic magnetism of the Ir-based double perovskites La ₂ BiIrO ₆ (B=Co , Zn) probed by magnetic resonance spectroscopies. Physical Review B, 2018, 98, .	3.2	9
38	Electron Transfer and Unusual Chemical Transformations of F ₄ TCNQ in a Reaction with MnPhthalocyanine. European Journal of Inorganic Chemistry, 2018, 2018, 3344-3353.	2.0	10
39	Isolation of proximity-induced triplet pairing channel in a superconductor/ferromagnet spin valve. EPJ Web of Conferences, 2018, 185, 08001.	0.3	0
40	Rolled-Up Self-Assembly of Compact Magnetic Inductors, Transformers, and Resonators. Advanced Electronic Materials, 2018, 4, 1800298.	5.1	30
41	Increasing the performance of a superconducting spin valve using a Heusler alloy. Beilstein Journal of Nanotechnology, 2018, 9, 1764-1769.	2.8	8
42	Unraveling the Nature of Magnetism of the Double Perovskite $\text{Ba}_2\text{Mn}_2\text{O}_7$ Physical Review Letters, 2018, 120, 237204.	7.8	39
43	Spin-singlet formation in the spin-tetramer layered organic-inorganic hybrid $\text{CH}_3\text{NH}_3\text{Cu}_2\text{Cl}_5$. Physical Review Materials, 2018, 2, .	2.4	0
44	3D oxalate-based coordination polymers: Relationship between structure, magnetism and color, studied by high-field ESR spectroscopy. Polyhedron, 2017, 126, 120-126.	2.2	6
45	A Three-Pronged Attack To Investigate the Electronic Structure of a Family of Ferromagnetic Fe_4Ln_2 Cyclic Coordination Clusters: A Combined Magnetic Susceptibility, High-Field/High-Frequency Electron Paramagnetic Resonance, and ^{57}Fe Mössbauer Study. Inorganic Chemistry, 2017, 56, 4796-4806.	4.0	41
46	Ni^{II} formate complexes with bi- and tridentate nitrogen-donor ligands: synthesis, characterization, and magnetic and thermal properties. Dalton Transactions, 2017, 46, 3963-3979.	3.3	8
47	Aligned cuboid iron nanoparticles by epitaxial electrodeposition. Nanoscale, 2017, 9, 5315-5322.	5.6	8
48	Anisotropic magnetic interactions and spin dynamics in the spin-chain compound $\text{Cu}(\text{py})_2\text{Br}_2$: An experimental and theoretical study. Physical Review B, 2017, 96, .	3.2	5
49	Proximity effect between a superconductor and a partially spin-polarized ferromagnet: Case study of the Pb/MnO Physical Review B, 2017, 96, .	3.2	8
50	Signatures of a magnetic field-induced unconventional nematic liquid in the frustrated and anisotropic spin-chain cuprate LiCuSbO_4 . Scientific Reports, 2017, 7, 6720.	3.3	24
51	Magnetic resonance spectroscopy on the spin-frustrated magnets YBaCo_3O_7 and $\text{YBaCo}_3\text{O}_{6.5}$ () Tj ETQq1 1:0z784314rgBT /O		
52	Static and dynamic magnetic properties of the ferromagnetic coordination polymer $[\text{Co}(\text{NCS})_2(\text{py})_2]_n$. Physical Chemistry Chemical Physics, 2017, 19, 24534-24544.	2.8	44
53	Magnetic Resonance Study of the Spin-1/2 Quantum Magnet $\text{BaAg}_2\text{Cu}[\text{VO}_4]_2$. Zeitschrift Fur Physikalische Chemie, 2017, 231, 759-775.	2.8	3
54	Magnetic properties of the spin-1 chain compound $\text{NiCl}_3\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{NH}_3$. Low Temperature Physics, 2017, 43, 1298-1304.	0.6	10

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55	Estimate of the Degree of the Spin Polarization of a Ferromagnet from Data on the Superconductor/Ferromagnet Proximity Effect. JETP Letters, 2017, 106, 805-809.	1.4	1
56	The interplay between spin densities and magnetic superexchange interactions: case studies of mono- and trinuclear bis(oxamato)-type complexes. Beilstein Journal of Nanotechnology, 2017, 8, 2245-2256.	2.8	4
57	Probing the magnetic superexchange couplings between terminal CuII ions in heterotrinary bis(oxamidato) type complexes. Beilstein Journal of Nanotechnology, 2017, 8, 789-800.	2.8	4
58	Tuning the spin coherence time of Cu(II)âˆ“(bis)oxamato and Cu(II)âˆ“(bis)oxamidato complexes by advanced ESR pulse protocols. Beilstein Journal of Nanotechnology, 2017, 8, 943-955.	2.8	7
59	A Sizeâ€œDependent Analysis of the Structural, Surface, Colloidal, and Thermal Properties of Ti_{1â€œ}B₂ ($x = 0.03\text{--}0.08$) Nanoparticles. European Journal of Inorganic Chemistry, 2016, 2016, 3460-3468.	2.0	26
60	Experimental investigation of the role of the triplet pairing in the superconducting spin-valve effect. Physics of the Solid State, 2016, 58, 2165-2176.	0.6	1
61	Spin dynamics and magnetic interactions of Mn dopants in the topological insulator Bi₂Te₃. Physical Review B, 2016, 94, .		
62	Reversible Water-Induced Structural and Magnetic Transformations and Selective Water Adsorption Properties of Poly(manganese 1,1â€œ-ferrocenediyl-bis(H-phosphinate)). Crystal Growth and Design, 2016, 16, 5084-5090.	3.0	34
63	Tuning the magnetocrystalline anisotropy in RCoPO by means of R substitution: A ferromagnetic resonance study. Physical Review B, 2016, 94, .	3.2	1
64	Isolation of proximity-induced triplet pairing channel in a superconductor/ferromagnet spin valve. Physical Review B, 2016, 93, .	3.2	27
65	Noncollinear antiferromagnetism of coupled spins and pseudospins in the double perovskite La₂CuO₆. Physical Review B, 2016, 94, .	3.2	33
66	Boosting the superconducting spin valve effect in a metallic superconductor/ferromagnet heterostructure. Nano Research, 2016, 9, 1005-1011.	10.4	22
67	Spin Dynamics and Ground State of the Frustrated Diamond Lattice Magnet CoAl₂O₄ as seen by ²⁷ Al NMR. Applied Magnetic Resonance, 2016, 47, 727-735.	1.2	0
68	First coordination polymers on the bases of chiral thiophosphorylated thioureas. Inorganic Chemistry Communication, 2016, 66, 11-14.	3.9	9
69	Cu^{II} bis(oxamato) end-grafted poly(amidoamine) dendrimers. Dalton Transactions, 2016, 45, 7960-7979.	3.3	10
70	Superconducting spin-valve effect and triplet superconductivity in Co_Ox. Physical Review B, 2015, 91, .	3.2	38
71	Magnetic Anisotropy of Cr(III) Ions in Polymeric Oxalate Complexes as Revealed by HF-ESR Spectroscopy. Applied Magnetic Resonance, 2015, 46, 309-321.	1.2	11
72	Orbital reconstruction in nonpolar tetravalent transition-metal oxide layers. Nature Communications, 2015, 6, 7306.	12.8	60

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73	Synthesis and magnetic properties of manganese carbonyl complexes with different coordination modes of 3,4,5-triaryl-1,2-diphospholide ligands. Dalton Transactions, 2015, 44, 10259-10266.	3.3	8
74	Ground state and low-energy magnetic dynamics in the frustrated magnet CoAl_2O_4 revealed by local spin probes. Physical Review B, 2015, 91, .	3.2	27
75	Magnetic superexchange interactions: trinuclear bis(oxamidato) versus bis(oxamato) type complexes. Dalton Transactions, 2015, 44, 8062-8079.	3.3	17
76	Electron Spin Density on the N-Donor Atoms of Cu(II) (Bis)oxamidato Complexes As Probed by a Pulse ELDOR Detected NMR. Journal of Physical Chemistry B, 2015, 119, 13762-13770.	2.6	12
77	The superconducting spin valve and triplet superconductivity. Journal of Magnetism and Magnetic Materials, 2015, 373, 18-22.	2.3	10
78	Superconducting spin valve and triplet superconductivity. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 1341-1347.	0.6	1
79	Preferential antiferromagnetic coupling of vacancies in graphene on SiO_2 . Electron spin resonance and scanning tunneling spectroscopy. Physical Review B, 2014, 90, .	3.2	15
80	Low-energy magnetic excitations in the spin-orbital Mott insulator $\text{Sr}_2\text{Ir}_2\text{O}_7$. Physical Review B, 2014, 89, .	3.2	16
81	Synthesis, structure and electrochemical properties of the organonickel complex $[\text{NiBr}(\text{Mes})(\text{phen})]$ (Mes = 2,4,6-trimethylphenyl, phen = 1,10-phenanthroline). Journal of Organometallic Chemistry, 2014, 750, 59-64.	1.8	31
82	Structure and properties of NaFeO_2 -type ternary sodium iridates. Journal of Solid State Chemistry, 2014, 210, 195-205.	2.9	18
83	Peculiarities of performance of the spin valve for the superconducting current. JETP Letters, 2013, 97, 478-482.	1.4	18
84	Chemisorption of Exchange-Coupled $[\text{Ni}_2\text{L}(\text{dppba})^+]$ Complexes on Gold by Using Ambidentate $\text{Co}(\text{Diphenylphosphino})\text{benzoate}$ Ligands. Chemistry - A European Journal, 2013, 19, 7787-7801.	3.3	6
85	Microwave absorption study of pinning regimes in $\text{Ba}_{1-x}\text{Co}_x\text{As}_2$ single crystals. Superconductor Science and Technology, 2013, 26, 045015.	3.5	5
86	Redox-Active Ferrocene as a Tuning Functionality for Magnetic Superexchange Interactions of Bis(oxamato) Type Complexes. Organometallics, 2013, 32, 5988-6003.	2.3	6
87	Flux dynamics and avalanches in the 122 pnictide superconductor $\text{Ba}_{0.65}\text{Na}_{0.35}\text{Fe}_2\text{As}_2$. Journal of Physics Condensed Matter, 2013, 25, 495701.	1.8	24
88	Boosting the electron spin coherence in binuclear Mn complexes by multiple microwave pulses. Physical Review B, 2013, 88, .	3.2	21
89	Magnetization, magnetic susceptibility and ESR in $\text{Tb}_3\text{Ga}_5\text{O}_{12}$. European Physical Journal B, 2013, 86, 1.	1.5	19
90	The formation of overlooked compounds in the reaction of methyl amine with the diethyl ester of o-phenylenebis(oxamic acid) in MeOH. Dalton Transactions, 2013, 42, 1798-1809.	3.3	14

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91	7Li NMR study of the ordering phenomena in the intrinsic two-component magnetoelectric material Li ₂ ZrCuO ₄ . Physical Review B, 2013, 87, .	3.2	3
92	Physical properties of the superconducting spin-valve Fe/Cu/Fe/In heterostructure. Physical Review B, 2012, 85, .	3.2	33
93	Magnetic properties and exchange integrals of the frustrated chain cuprate linarite PbCuSO ₄ $\langle \text{OH} \rangle$	3.2	58
94	Slow Magnetic Relaxations in Manganese(III) Tetra(meta-fluorophenyl)porphyrin-tetracyanoethenide. Comparison with the Relative Single Chain Magnet ortho Compound. Inorganic Chemistry, 2012, 51, 9983-9994. spin arrangement as possible ground state of three-dimensional Shastry-Sutherland	4.0	34
95	network in Ba ₃ CuIn ₃	3.2	16
96	An interplay between the spin density distribution and magnetic superexchange interactions: a case study of mononuclear [nBu ₄ N] ₂ [Cu(opooMe)] and novel asymmetric trinuclear [Cu ₃ (opooMe)(pmdta) ₂](NO ₃) ₂ ·3MeCN. Dalton Transactions, 2012, 41, 14657.	3.3	16
97	Evidence for Triplet Superconductivity in a Superconductor-Ferromagnet Spin Valve. Physical Review Letters, 2012, 109, 057005.	7.8	163
98	Gd ³⁺ electron spin resonance spectroscopy on LaO _{1-x} F _x FeAs superconductors. Journal of Experimental and Theoretical Physics, 2012, 114, 662-670.	0.9	3
99	Electrochemical Behavior and Magnetic Properties of Vanadium Oxide Nanotubes. Journal of Physical Chemistry C, 2011, 115, 5265-5270.	3.1	19
100	First Direct In Situ EPR Spectroelectrochemical Evidence of the Superoxide Anion Radical. Journal of Physical Chemistry B, 2011, 115, 12036-12039.	2.6	17
101	Magnetic properties of the low-dimensional spin-1 magnet Cu_2Mg_2	3.2	23
102	New Dinuclear Nickel(II) Complexes: Synthesis, Structure, Electrochemical, and Magnetic Properties. Inorganic Chemistry, 2011, 50, 4553-4558.	4.0	40
103	Electron spin coherence in antiferromagnetically coupled binuclear Mn complexes. Physical Review B, 2011, 84, .	3.2	14
104	Chain-Growth Polymerization of Unusual Anion-Radical Monomers Based on Naphthalene Diimide: A New Route to Well-Defined n-Type Conjugated Copolymers. Journal of the American Chemical Society, 2011, 133, 19966-19970.	13.7	128
105	Manifestation of New Interference Effects in a Superconductor-Ferromagnet Spin Valve. Physical Review Letters, 2011, 106, 067005.	7.8	71
106	A New Family of 1D Exchange Biased Heterometal Single-Molecule Magnets: Observation of Pronounced Quantum Tunneling Steps in the Hysteresis Loops of Quasi-Linear {Mn ₂ Ni ₃ } Clusters. Journal of the American Chemical Society, 2011, 133, 3433-3443.	13.7	68
107	Fishtail effect and vortex dynamics in LiFeAs single crystals. Physical Review B, 2011, 83, .	3.2	69
108	Multigap superconductivity in single crystals of Ba _{0.65} Na _{0.35} Fe	3.2	40

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109	Spin Gap in the Zigzag Spin-Chain Cuprate. High-field electron spin resonance spectroscopy study of CaFeAsO . Journal of Physics: Conference Series, 2010, 200, 012218.	7.8	30
110	Microwave absorption study of polycrystalline $\text{SmO}_{1-x}\text{F}_x\text{FeAs}$. Journal of Physics: Conference Series, 2010, 200, 012154.	0.4	1
111	High Field ESR Study of the New Low Dimensional $S=1/2$ System: $\text{Cu}(\text{NO}_3)_2 \cdot x\text{H}_2\text{O}$. Journal of Low Temperature Physics, 2010, 159, 96-100.	1.4	1
114	High-Field ESR and Magnetization Study of a Novel Macrocylic Chelate Trinuclear Ni(II) Complex. Journal of Low Temperature Physics, 2010, 159, 84-87.	1.4	0
115	High Field ESR Spectroscopy on $\text{GdO}_1 \times \text{FeAs}$. Journal of Low Temperature Physics, 2010, 159, 172-175.	1.4	0
116	Interplay of Magnetic Exchange Interactions and Ni-Si-Ni Bond Angles in Polynuclear Nickel(II) Complexes. ChemPhysChem, 2010, 11, 1961-1970.	2.1	22
117	Full spin switch effect for the superconducting current in a superconductor/ferromagnet thin film heterostructure. Applied Physics Letters, 2010, 97, .	3.3	74
118	Pinning effects in ceramic $\text{SmO}_{1-x}\text{F}_x$ revealed by microwave absorption. Physical Review B, 2010, 81, .	3.2	23
119	Binuclear 1,2-Diphosphacyclopentadienyl Manganese(I) Complexes: Synthesis, Structure and Magnetic Properties. Organometallics, 2010, 29, 1339-1342.	2.3	20
120	Realization of the Nersisyan-Tsvetlik model in NO . Physical Review B, 2010, 82, .	3.2	23
121	Formation of magnetic polarons in lightly Ca doped LaCoO_3 . Journal of Physics: Conference Series, 2010, 200, 012080.	0.4	1
123	Local antiferromagnetic correlations in the iron pnictide superconductors $\text{LaFeAsO}_{1-x}\text{F}_x$. Physical Review B, 2010, 81, .	0.4	0
124	Spin resonance of electrons confined by SiGe nanostructures. Journal of Physics: Conference Series, 2010, 200, 062010.	0.4	0
125	Identifying spins states on self assembled Si/SiGe quantum dots by means of ESR. Journal of Physics: Conference Series, 2010, 245, 012026.	0.4	0
126	Electron spin resonance study of Si/SiGe quantum dots. Physical Review B, 2010, 81, .	3.2	10

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127	Magnetic anisotropy and ferromagnetic correlations above the Curie temperature in $\text{Eu}_2\text{Cr}_2\text{O}_7$ single crystals. Physical Review B, 2010, 82, .	3.2	17
128	Evolution of the Kondo State of YbRh_2Si_2 by High-Field ESR. Physical Review Letters, 2009, 102, 076405.	3.2	20
129	Theory of the electron spin resonance in heavy fermion systems with non-Fermi-liquid behavior. Physical Review B, 2009, 80, .	3.2	12
130	Quantum electric dipole glass and frustrated magnetism near a critical point in $\text{Li}_2\text{ZrCuO}_4$. Europhysics Letters, 2009, 88, 27001.	2.0	16
131	Tetranuclear complexes in molecular magnetism: Targeted synthesis, high-field EPR and pulsed-field magnetization. Coordination Chemistry Reviews, 2009, 253, 2261-2285.	18.8	39
132	Observation of the "inverse" spin valve effect in a Ni/V/Ni trilayer system. JETP Letters, 2009, 90, 59-63.	1.4	18
133	Single-crystal growth of LiMnPO_4 by the floating-zone method. Journal of Crystal Growth, 2009, 311, 1273-1277.	1.5	33
134	Origin of a spin-state polaron in lightly hole doped LaCoO_3 . Journal of Physics: Conference Series, 2009, 150, 042003.	0.4	6
135	Interaction of an extended series of N-substituted di(2-picoly)amine derivatives with copper(II). Synthetic, structural, magnetic and solution studies. Dalton Transactions, 2009, , 4795.	3.3	45
136	High-field ESR study of the Kondo lattice system YbRh_2Si_2 . Journal of Physics: Conference Series, 2009, 150, 042085.	0.4	0
137	Interplay between structure, transport and magnetism in the frustrated $S = 1/2$ system In_2VO_5 . Journal of Physics: Conference Series, 2009, 150, 042084.	0.4	1
138	High-temperature ferromagnetism of Li-doped vanadium oxide nanotubes. Europhysics Letters, 2009, 88, 57002.	2.0	10
139	Magnetic anisotropy of the spin-antiferromagnet $\text{GdNi}_2\text{B}_2\text{C}$ probed by high-frequency ESR. Journal of Physics: Conference Series, 2009, 150, 042086.	0.4	3
140	Bulky Pyrazolate-Based Compartmental Ligand Scaffolds: Encapsulation of an Edge-Sharing Cu_6O_2 Tetrahedral Core. European Journal of Inorganic Chemistry, 2008, 2008, 5390-5396.	2.0	10
141	Spin-State Polarons in Lightly-Hole-Doped LaCoO_3 . Physical Review Letters, 2008, 101, 247603.	7.8	76
142	Electron spin dynamics of the superconductor CaC_6 by ESR. Physical Review B, 2008, 77, .	3.2	8
143	Nd-doped $\text{Nd}_2\text{BaCu}_3\text{O}_x$ single crystals. Physical Review B, 2008, 78, .	3.2	6
144	Interplay between Kondo-like behavior and short-range antiferromagnetism in EuCu_2Si_2 single crystals. Physical Review B, 2008, 78, .	3.2	15

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145	High Field Level Crossing Studies on Spin Dimers in the Low Dimensional Quantum Spin System Na ₂ T ₂ (C ₂ O ₂) ₃ (H ₂ O) ₂ with T = Ni, Co, Fe, Mn. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 97-124.	0.3	2
146	Revisiting and modeling the magnetism of hole-doped spin chains in. Journal of Magnetism and Magnetic Materials, 2007, 310, e397-e399.	2.3	0
147	A spin-frustrated star-shaped heterotetranuclear CrIII MnII3 species and its magnetic and HF-EPR measurements. Dalton Transactions, 2007, , 481-487.	3.3	23
148	Insulator to semiconductor transition and magnetic properties of the one-dimensional $S=1$ spin chain. Journal of Magnetism and Magnetic Materials, 2007, 310, 1251-1253.	3.2	13
149	The low-dimensional spin magnet CaCu ₂ O ₃ probed by high-field ESR. Journal of Magnetism and Magnetic Materials, 2007, 310, 1251-1253.	2.3	1
150	High field specific heat study of antiferromagnetic dimers in. Journal of Magnetism and Magnetic Materials, 2007, 310, e403-e405.	2.3	3
151	Tuning the magnetic ground state of a tetranuclear nickel(II) molecular complex by high magnetic fields. Physical Review B, 2006, 73, .	3.2	61
152	Magnetism of a novel tetranuclear nickel(II) cluster in strong magnetic fields. Journal of Physics: Conference Series, 2006, 51, 351-354.	0.4	4
153	Reply to the comment "Nature of low-temperature phase transitions in CaMn ₇ O ₁₂ ". JETP Letters, 2006, 83, 222-222.	1.4	1
154	High-field ESR studies of the quantum spin magnet CaCu ₂ O ₃ . New Journal of Physics, 2006, 8, 74-74.	2.9	10
155	Magnetism of hole-doped CuO ₂ spin chains in Sr ₁₄ Cu ₂₄ O ₄₁ : Experimental and numerical results. Physical Review B, 2006, 73, .	3.2	38
156	Magnetic properties of vanadium oxide nanotubes probed by static magnetization and ⁵¹ V NMR. Physical Review B, 2006, 73, .	3.2	43
157	Antiferromagnetic dimers of Ni(II) in the S=1 spin-ladder Na ₂ Ni ₂ (C ₂ O ₄) ₃ (H ₂ O) ₂ . Physical Review B, 2006, 73, .	3.2	23
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