

# Karel Knä-Å¾ek

## List of Publications by Year in descending order

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150  
papers

3,798  
citations

117625

34  
h-index

149698

56  
g-index

152  
all docs

152  
docs citations

152  
times ranked

4345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transitions in ternary caesium lead bromide. Magyar AprĀ <sup>3</sup> vad KĀġzlemĀ©nyek, 2003, 71, 667-673.	1.4	245
2	Structure and magnetic properties of Pr1Ā <sup>x</sup> SrxMnO3 perovskites. Journal of Solid State Chemistry, 1992, 100, 292-300.	2.9	214
3	Lanthanum manganese perovskite nanoparticles as possible in vivo mediators for magnetic hyperthermia. Journal of Magnetism and Magnetic Materials, 2006, 302, 315-320.	2.3	155
4	Structural anomalies associated with the electronic and spin transitions in LnCoO3. European Physical Journal B, 2005, 47, 213-220.	1.5	137
5	Ferromagnetism versus charge ordering in the Pr0.5Ca0.5MnO3 and La0.5Ca0.5MnO3 nanocrystals. Physical Review B, 2010, 81, .	3.2	115
6	Spin state of LaCoO3: Dependence on CoO6 octahedra geometry. Physical Review B, 2005, 71, .	3.2	104
7	New -tuned magnetic nanoparticles for self-controlled hyperthermia. Journal of Magnetism and Magnetic Materials, 2007, 316, 122-125.	2.3	91
8	Magnetodielectric effect and optic soft mode behaviour in quantum paraelectric EuTiO <sub>3</sub> ceramics. Europhysics Letters, 2007, 80, 27002.	2.0	88
9	A multiferroic material to search for the permanent electric dipole moment of the electron. Nature Materials, 2010, 9, 649-654.	27.5	88
10	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{GGA} \langle \text{mml:mtext} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{U} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{LaCoO} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ of correlated spin excitations in $\text{LaCoO}_3$ Physical Review B, 2009, 79, .	3.2	84
11	Magnetic heating by cobalt ferrite nanoparticles. Nanotechnology, 2007, 18, 345704.	2.6	83
12	X-ray absorption near-edge spectroscopy study of Mn and Co valence states in LaMn1Ā <sup>x</sup> CoxO3 (x=0Ā€“1). Physical Review B, 2006, 73, .	3.2	74
13	Character of the excited state of the Co <sup>3+</sup> ion in LaCoO3. Journal of Physics Condensed Matter, 2006, 18, 3285-3297.	1.8	74
14	Electrical resistivity and thermopower measurements of the hole- and electron-doped cobaltites $\text{La}_{1-x}\text{Co}_x\text{O}_3$ Physical Review B, 2008, 78, .	3.2	70
15	Silica encapsulated manganese perovskite nanoparticles for magnetically induced hyperthermia without the risk of overheating. Nanotechnology, 2009, 20, 275610.	2.6	65
16	Metal-insulator transition and the $\text{Pr} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Pr} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ shift in $\text{Pr} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Pr} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ Physical Review B, 2010, 82, .	3.2	63
17	Crystal field parameters with Wannier functions: Application to rare-earth aluminates. Physical Review B, 2013, 87, .	3.2	60
18	Magnetic poly(glycidyl methacrylate) microspheres containing maghemite prepared by emulsion polymerization. Journal of Magnetism and Magnetic Materials, 2006, 306, 241-247.	2.3	59

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19	Charge transfer, valence, and the metal-insulator transition in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review B, 2010, 81, .	3.2	59
20	Distribution of cations in nanosize and bulk $\text{Co}_{1-x}\text{Zn}_x$ ferrites. Nanotechnology, 2011, 22, 345701.	2.6	57
21	Electric transport and magnetic properties of perovskites $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ up to 900 K. Journal of Physics Condensed Matter, 2005, 17, 1601-1616.	1.8	53
22	Structural, magnetic, and transport properties of the single-layered perovskites $\text{La}_{2-x}\text{Sr}_x\text{CoO}_4$ ( $x=1.0\text{--}1.4$ ). Physical Review B, 2006, 74, .	3.2	50
23	The magnetic and hyperthermia studies of bare and silica-coated $\text{La}_{0.75}\text{Sr}_{0.25}\text{MnO}_3$ nanoparticles. Journal of Nanoparticle Research, 2011, 13, 1237-1252.	1.9	50
24	Synthesis and magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ nanoparticles as materials for magnetic fluid hyperthermia. Journal of Magnetism and Magnetic Materials, 2010, 322, 2386-2389.	2.3	47
25	Magnetic heating by silica-coated $\text{Co}_{1-x}\text{Zn}_x$ ferrite particles. Journal Physics D: Applied Physics, 2014, 47, 065503.	2.8	47
26	Neutron diffraction and heat capacity studies of $\text{PrCoO}_3$ . Physical Review B, 2009, 79, .	3.2	45
27	Influence of surface and finite size effects on the structural and magnetic properties of nanocrystalline lanthanum strontium perovskite manganites. Journal of Solid State Chemistry, 2013, 204, 373-379.	2.9	44
28	Structure, Magnetism, and Transport Properties of $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x = 0.45\text{--}0.75$ ) up to 1200 K. Chemistry of Materials, 2004, 16, 1104-1110.	6.7	41
29	New chlorine-substituted liquid crystals possessing frustrated $\text{TGB}_A$ and $\text{SmQ}$ phases. Liquid Crystals, 2008, 35, 641-651.	2.2	41
30	Single-phase region of the $\text{2212-Bi}_{1-x}\text{Sr}_x\text{-Ca}_{1-x}\text{Cu}_x\text{-O}$ superconductor. Physica C: Superconductivity and Its Applications, 1993, 216, 211-218.	1.2	37
31	Non-collinear magnetic structures of $\text{TbCoO}_3$ and $\text{DyCoO}_3$ . Solid State Sciences, 2014, 28, 26-30.	3.2	37
32	Crystal field and magnetism of $\text{Pr}^{3+}$ and $\text{Nd}^{3+}$ ions in orthorhombic perovskites. Journal of Physics Condensed Matter, 2013, 25, 446001.	1.8	36
33	Dielectric, magnetic, and lattice dynamics properties of Y-type hexaferrite $\text{Ba}_{0.5}\text{Sr}_{1.5}\text{Zn}_2\text{Fe}_{12}\text{O}_{22}$ : Comparison of ceramics and single crystals. Journal of Applied Physics, 2010, 107, .	2.5	35
34	Structure and physical properties of $\text{YCoO}_3$ at temperatures up to 1000K. Physical Review B, 2006, 73, .	3.2	34
35	Valence Shift of Pr Ion from 3+ to 4+ in $(\text{Pr}_{1-y}\text{Y}_y)_{0.7}\text{Ca}_{0.3}\text{CoO}_3$ Estimated by X-Ray Absorption Spectroscopy. Journal of the Physical Society of Japan, 2012, 81, 064709.	1.6	33
36	Phase transition in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$ and related cobaltites. European Physical Journal B, 2013, 86, 1.	1.5	33

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37	Structural and Magnetic Transitions in $\text{CaMn}_{1-x}\text{W}_x\text{O}_3$ . <i>Chemistry of Materials</i> , 2007, 19, 4243-4251.	6.7	31
38	On the magnetic properties of Gd implanted GaN. <i>Journal of Applied Physics</i> , 2008, 103, 07D107.	2.5	30
39	Relaxor-like behavior of lead-free $\text{Sr}_2\text{LaTi}_2\text{Nb}_3\text{O}_{15}$ ceramics with tetragonal tungsten bronze structure. <i>Journal of Applied Physics</i> , 2007, 101, 054115.	2.5	29
40	Crystal field and magnetism with Wannier functions: Orthorhombic rare-earth manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 358-359, 228-232.	2.3	28
41	Chaotropic anion based "water-in-salt" electrolyte realizes a high voltage Zn-graphite dual-ion battery. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2064-2074.	10.3	28
42	Evolution of charge and spin state of transition metals in the $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ perovskite series. <i>Journal of Applied Physics</i> , 2008, 103, 07C907.	2.5	26
43	Influence of Pb concentration on microstructural and superconducting properties of BSCCO superconductors. <i>Superconductor Science and Technology</i> , 1995, 8, 324-328.	3.5	25
44	Thermoelectric Cu-S-Based Materials Synthesized via a Scalable Mechanochemical Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2003-2016.	6.7	25
45	Structural anomalies, spin transitions, and charge disproportionation in $\text{LnCoO}_3$ . <i>Journal of Applied Physics</i> , 2008, 103, 07B703.	2.5	24
46	On the magnetism, thermal- and electrical transport of $\text{SrMoO}_2\text{N}$ . <i>Journal of Applied Physics</i> , 2009, 105, 023522.	2.5	24
47	Crystal field of rare earth impurities in $\text{LaF}_3$ . <i>Optical Materials</i> , 2014, 37, 414-418.	3.6	23
48	Influence of combined mechanical and heat treatment on $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+\delta}$ phase formation. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 203, 59-67.	1.2	22
49	Electronic structure and conductivity of ferroelectric hexaferrite: Ab initio calculations. <i>Physical Review B</i> , 2006, 73, .	3.2	22
50	Photochemical preparation of ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4529-4537.	1.9	22
51	Stabilization of the high-spin state of $\text{Co}^{3+}$ in $\text{LaCo}_{1-x}\text{Rh}_x\text{O}_3$ . <i>Physical Review B</i> , 2012, 85, .	3.2	22
52	Preparation of Mn-Zn ferrite nanoparticles and their silica-coated clusters: Magnetic properties and transverse relaxivity. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 427, 251-257.	2.3	22
53	Structure and magnetic order in $\text{Y}_{1-x}\text{Ca}_x\text{MnO}_3$ ( $x = 0.3$ and $0.5$ ). <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s673-s676.	2.3	21
54	Magnetism of mixed valence (LaSr) hexaferrites. <i>European Physical Journal B</i> , 2005, 43, 509-515.	1.5	20



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73	Transition from the diamagnetic insulator to ferromagnetic metal in. Journal of Magnetism and Magnetic Materials, 2010, 322, 1221-1223.	2.3	13
74	Magnetism of perovskite cobaltites with Kramers rare-earth ions. Journal of Applied Physics, 2014, 115, .	2.5	13
75	Test System for Thermoelectric Modules and Materials. Journal of Electronic Materials, 2014, 43, 3726-3732.	2.2	13
76	Magnetic shielding and trapping properties of BPSCCO superconducting tubes. IEEE Transactions on Applied Superconductivity, 1995, 5, 528-531.	1.7	12
77	Hydrogenation of polycrystalline silicon thin films. Thin Solid Films, 2006, 501, 144-148.	1.8	12
78	Structure and properties of novel cobaltates $\text{Ln}_{0.3}\text{CoO}_2$ ( $\text{Ln} = \text{La, Pr, and Nd}$ ). Journal of Applied Physics, 2012, 111, 07D707.	2.5	12
79	Ground-state properties of the mixed-valence cobaltites $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{CoO}_3$ , $\text{Nd}_{0.7}\text{Ca}_{0.3}\text{CoO}_3$ and $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{CoO}_3$ . Journal of Physics Condensed Matter, 2013, 25, 215006.	1.8	12
80	Spin Seebeck effect in Y-type hexagonal ferrite thin films. Physical Review B, 2017, 96, .	3.2	12
81	Spin Seebeck effect in $\text{Fe}_2\text{O}_3$ thin films with high coercive field. Journal of Applied Physics, 2018, 124, .	2.5	12
82	The 1201 superconductors $\text{Hg}_{1-y}(\text{VO}_4)_y(\text{Ba, Sr})_2\text{CuO}_4$ : evidence for $\text{VO}_4$ tetrahedra. Physica C: Superconductivity and Its Applications, 1997, 277, 119-132.	1.2	11
83	The low-temperature phase separation in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$ . Journal of Magnetism and Magnetic Materials, 2007, 316, e728-e730.	2.3	11
84	Glassy ferromagnetism and phase separation in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$ . Journal of Applied Physics, 2012, 111, 07E110.	2.5	11
85	Suppression of the metal-insulator transition by magnetic field in $(\text{Pr}_{1-y}\text{Y})_{0.7}\text{Ca}_{0.3}\text{CoO}_3$ ( $y = 0.0625$ ). Journal of Applied Physics, 2014, 115, 233914.	2.5	11
86	Density Functional Theory Studies of Spin, Charge, and Orbital Ordering in $\text{YBa}_2\text{O}_5$ ( $T = \text{Mn, Fe, Co}$ ). Inorganic Chemistry, 2008, 47, 6608-6620.	4.0	10
87	Microscopic origin of the magnetoelectronic phase separation in Sr-doped $\text{LaCoO}_3$ . Physical Review B, 2013, 88, .	3.2	10
88	Oriented Y-type hexagonal ferrite thin films prepared by chemical solution deposition. Journal of Solid State Chemistry, 2013, 203, 100-105.	2.9	10
89	Influence of structural properties on (de-)intercalation of $\text{ClO}_4^-$ anion in graphite from concentrated aqueous electrolyte. Carbon, 2022, 186, 612-623.	10.3	10
90	Improvement of the magnetic shielding and trapping properties of $\text{BiPbSrCaCuO}$ superconducting tubes by the use of multiple thermomechanical processing. Physica C: Superconductivity and Its Applications, 1994, 225, 361-368.	1.2	9

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91	Valence and spin states in perovskites LaCo <sub>0.95</sub> M <sub>0.05</sub> O <sub>3</sub> (M=Mg, Ga, Ti). Journal of Magnetism and Magnetic Materials, 2008, 320, e92-e95.	2.3	9
92	Peculiar Magnetic and Transport Properties of CuFeS <sub>2</sub> : Defects Play a Key Role. Journal of Physical Chemistry C, 2020, 124, 20773-20783.	3.1	9
93	Distribution of Zn in Magnetoelectric Y-Type Hexaferrite. Acta Physica Polonica A, 2010, 118, 732-733.	0.5	9
94	Structural and transport properties of YBa <sub>2</sub> Cu <sub>3</sub> Y <sub>1-x</sub> O <sub>7-x</sub> solid solutions. Physica C: Superconductivity and Its Applications, 1992, 197, 371-377.	1.2	8
95	Influence of the structure on electric and magnetic properties of La <sub>0.8</sub> Na <sub>0.2</sub> Mn <sub>1-x</sub> CoxO <sub>3</sub> perovskites. Journal of Solid State Chemistry, 2004, 177, 4564-4568.	2.9	8
96	Hyperfine interactions in magnetoelectric hexaferrite system. Journal of Magnetism and Magnetic Materials, 2010, 322, 1243-1245.	2.3	8
97	LDA calculation of electronic and thermoelectric properties of doped CuCoO <sub>2</sub> . Physical Review B, 2015, 91, .	3.2	8
98	Room temperature electric field induced crystallization of wide band gap hydrogenated amorphous silicon. Thin Solid Films, 2001, 383, 101-103.	1.8	7
99	Antiferromagnetic ordering in the double perovskites La <sub>2-x</sub> SrxCoRuO <sub>6</sub> . Journal of Magnetism and Magnetic Materials, 2010, 322, 1189-1191.	2.3	7
100	Calcium-induced cation ordering and large resistivity decrease in Pr <sub>0.3</sub> CoO <sub>2</sub> . Journal of Physics and Chemistry of Solids, 2016, 96-97, 10-16.	4.0	7
101	Characterization and crystallization kinetics of Er-doped Li <sub>2</sub> O-Y <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glass studied by non-isothermal DSC analysis. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1431-1437.	3.6	7
102	Magnetic properties of rare-earth-doped La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> . Journal of Physics Condensed Matter, 2017, 29, 035803.	1.8	7
103	Structure and properties of nano- and polycrystalline Mn-doped CuCr <sub>2</sub> Se <sub>4</sub> obtained by ceramic method and high-energy ball milling. Materials Research Bulletin, 2021, 137, 111174.	5.2	7
104	X-ray diffraction study of lead chloride. Solid State Communications, 1994, 91, 611-614.	1.9	6
105	Anomalous Nernst effect in the ceramic and thin film samples of La <sub>0.7</sub> Co <sub>0.3</sub> O <sub>3</sub> . Thermal transport in Remm. Materials, 2021, 5, .	2.4	6
106	Structure of {N-[2-(2-aminoethylamino)ethyl]salicylideneaminato-O,N,N',N''}nickel(II) perchlorate. Acta Crystallographica Section C: Crystal Structure Communications, 1988, 44, 631-633.	3.2	6
107	Physical Review B, 2021, 104, .	0.4	5
108	Infrared studies of the Bi cuprates. Superconductor Science and Technology, 1996, 9, 653-658.	3.5	5

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109	Phase relations in Hg <sup>1-</sup> ,Ba <sup>1-</sup> ,Ca <sup>1-</sup> ,Cu <sup>1-</sup> ,O system. Physica C: Superconductivity and Its Applications, 2000, 341-348, 509-510.	1.2	5
110	EXAFS study of compounds. Journal of Magnetism and Magnetic Materials, 2007, 310, e197-e199.	2.3	5
111	Oriented thin films of Na <sub>0.6</sub> CoO <sub>2</sub> and Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> deposited by spin-coating method on polycrystalline substrate. Thin Solid Films, 2016, 603, 400-403.	1.8	5
112	Exchange interaction and conductivity in ferroelectric hexaferrite. Journal of Magnetism and Magnetic Materials, 2007, 316, e587-e590.	2.3	4
113	Effect of Ising-type Tb <sup>3+</sup> ions on the low-temperature magnetism of La, Ca cobaltite. Journal of Physics Condensed Matter, 2014, 26, 116003.	1.8	4
114	Magnetism and transport properties of layered rare-earth cobaltates Ln <sub>0.3</sub> CoO <sub>2</sub> . Journal of Applied Physics, 2015, 117, 17B706.	2.5	4
115	Mapping of reciprocal space of La <sub>0.30</sub> CoO <sub>2</sub> in 3D: Analysis of superstructure diffractions and intergrowths with Co <sub>3</sub> O <sub>4</sub> . Journal of Solid State Chemistry, 2015, 227, 30-34.	2.9	4
116	High-field magnetoconductance in La-Sr manganites of FM and AFM ground states. Journal of Magnetism and Magnetic Materials, 2018, 456, 167-178.	2.3	4
117	NMR study of $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ perovskites. Journal of Magnetism and Magnetic Materials, 2008, 320, e12-e15.		
118	Static and dynamic behavior of the cluster phase in LaMn <sub>0.6</sub> Co <sub>0.4</sub> O <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2010, 322, 1392-1395.	2.3	3
119	Local surrounding of Mn in LaMn <sub>1-x</sub> Co <sub>x</sub> O <sub>3</sub> compounds by means of EXAFS on Mn <sup>K</sup> . Journal of Magnetism and Magnetic Materials, 2010, 322, 1198-1200.	2.3	3
120	Magnetic properties of FeCo nanoparticles encapsulated in carbon. Journal of Physics: Conference Series, 2010, 200, 072065.	0.4	3
121	Structure and Electric Transport in LaCo <sub>0.67</sub> Cu <sub>0.33</sub> O <sub>3</sub> . Journal of Superconductivity and Novel Magnetism, 2011, 24, 747-751.	1.8	3
122	Peculiar magnetic properties of Er conditioned Ni <sub>43</sub> Co <sub>7</sub> Mn <sub>31</sub> Ga <sub>19</sub> at ambient and hydrostatic pressures. Journal of Alloys and Compounds, 2013, 565, 134-138.	5.5	3
123	Structural study of layered cobaltate $\text{La}_{1-x}\text{Co}_x\text{O}_3$ . Journal of Magnetism and Magnetic Materials, 2008, 320, e12-e15.		

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127	Correction procedure for the electron microprobe analysis of porous materials. <i>Mikrochimica Acta</i> , 1994, 117, 87-93.	5.0	2
128	Determination of phase diagram cuts in the system. <i>Superconductor Science and Technology</i> , 1996, 9, 279-283.	3.5	2
129	Preparation and doping of the $\text{HgBa}_{2-x}\text{SrxCuO}_{4+\delta}$ series. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 330, 27-32.	1.2	2
130	Cobaltites as perspective thermoelectrics. <i>Materials Research Society Symposia Proceedings</i> , 2005, 886, 1.	0.1	2
131	Effects of Tb <sup>3+</sup> dopants in the $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ bulk and nanoparticle ferromagnets. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 206001.	1.8	2
132	Electronic and heat transport phenomena in the nanogranular thiospinel $\text{FeS}_3$ . <i>Physical Review B</i> , 2021, 103, .	3.2	2
133	Structure of {4-[2-(2-aminoethylamino)ethylimino]pentan-2-onato-N,N',N'',O}nickel(II) iodide monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1989, 45, 1216-1218.	0.4	1
134	Carbonate groups and the superconductivity in 123 cuprates $\text{Y}_{0.8}\text{Ca}_{0.2}\text{Ba}_2\text{Cu}_3\text{O}_{y-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1996, 267, 225-232.	1.2	1
135	The nanoscopic separation of magnetic phases in Cr-doped manganites $\text{Pr}_{0.44}\text{Sr}_{0.56}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E1085-E1086.	2.3	1
136	Terbium induced glassy magnetism in La,Ca-based cobaltites. <i>Journal of Applied Physics</i> , 2014, 115, 17E103. <a href="#">The calculation of rare-earth levels in layered cobaltates</a>	2.5	1
137	Effect of Tb <sup>3+</sup> doping in mixed-valence manganites and cobaltites. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 405802.	2.3	1
138	Effect of Tb <sup>3+</sup> doping in mixed-valence manganites and cobaltites. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 405802.	1.8	1
139	Giant Magnetoelectricity in Aluminium Substituted Y-Hexaferrites. <i>Acta Physica Polonica A</i> , 2010, 118, 723-724.	0.5	1
140	Role of spin-orbit coupling in canted ferromagnetism and spin-wave dynamics of $\text{SrRuO}_3$ . <i>Physical Review B</i> , 2022, 105, .	0.2	0
141	Influence of grains priority orientation on magnetic shielding-trapping properties of BPSCCO superconducting magnetic shields. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 3461-3462.	1.2	0
142	The study of microstructure of Bi, Pb-Sr-Ca-Cu-O superconductors prepared by multiple intermediate processing. <i>Journal of Materials Science</i> , 1995, 30, 3607-3611.	3.7	0
143	Temperature dependence of the infrared properties of $\text{Bi}_{2.1-x}\text{Pb}_x\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+\delta}$ ( $x = 0.3, 0.4$ and $0.5$ ). <i>Physica B: Condensed Matter</i> , 1997, 230-232, 844-846.	2.7	0
144	Structure properties and oxygen content in $\text{Y}_{0.6}\text{Ca}_{0.2}\text{Ba}_2\text{Cu}_3\text{O}_y$ ( $y = 6.03\text{--}6.89$ ) by neutron diffraction. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 928-930.	2.7	0

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145	Microstructure of Ag/Bi(Pb)-2223 Tapes Prepared by Solid-State Reaction. Journal of Superconductivity and Novel Magnetism, 1998, 11, 253-258.	0.5	0
146	Strontium Substitution For Barium In Mercury Superconductors. Journal of Low Temperature Physics, 1999, 117, 879-883.	1.4	0
147	Temperature dependence of the infrared properties of Hg <sup>1-2</sup> Ba <sup>1-2</sup> Cu <sup>1-2</sup> O high-temperature superconductor. Physica B: Condensed Matter, 2006, 378-380, 455-456.	2.7	0
148	Insulator-metal transition in PrYCaCoO <sub>3</sub> thin films studied by terahertz and infrared spectroscopies. , 2019, , .		0
149	Exchange interactions in $\text{É-Fe}_{2}\text{O}_{3}$ : GGA + U calculations. Journal of Physics Condensed Matter, 2021, 33, 155502.	1.8	0
150	Metal-insulator transition in $\text{Pr}_{1-x}\text{Ca}_{x}\text{Fe}_{2}\text{O}_{7}$ in the far-infrared. Physical Review B, 2020, 102, .	3.2	0