

Vsevolod Ivanov

List of Publications by Year in descending order

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104
papers

3,244
citations

201658

27
h-index

155644

55
g-index

105
all docs

105
docs citations

105
times ranked

2998
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible evidence for electromagnons in multiferroic manganites. Nature Physics, 2006, 2, 97-100.	16.7	489
2	Structural, magnetic, and electrical properties of single-crystalline $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.4 < x < 0.85$). Physical Review B, 2002, 66, .	3.2	259
3	Spin-phonon coupling in orthorhombic RMnO_3 ($R=\text{Pr}, \text{Nd}, \text{Sm}, \text{Eu}, \text{Gd}, \text{Tb}, \text{Dy}, \text{Ho}, \text{Y}$): A Raman study. Physical Review B, 2006, 73, .	3.2	198
4	Complex interplay of 3d and 4f magnetism in $\text{La}_{1-x}\text{Gd}_x\text{MnO}_3$. Physical Review B, 2004, 70, .	3.2	175
5	Multiferroic phases of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. Physical Review B, 2007, 75, .	3.2	174
6	Magnetolectric and magnetoelastic properties of rare-earth ferrobates. Low Temperature Physics, 2010, 36, 511-521.	0.6	144
7	Charge carrier localization in investigated by ac conductivity measurements. Journal of Physics Condensed Matter, 1999, 11, 3273-3290.	1.8	94
8	Magnetic properties and specific heat of RMnO_3 ($R=\text{Pr}, \text{Nd}$). Physical Review B, 2004, 69, .	3.2	90
9	Relaxations as Key to the Magnetocapacitive Effects in the Perovskite Manganites. Physical Review Letters, 2009, 102, 207208.	7.8	69
10	Magnetic and Magnetolectric Excitations in TbMnO_3 . Physical Review Letters, 2009, 102, 107203.	7.8	66
11	Colossal magnetodielectric effect in $\text{SmFe}_3(\text{BO}_3)_4$ multiferroic. JETP Letters, 2011, 93, 275-281.	1.4	60
12	Terahertz spectroscopy of electromagnons in EuYMnO_3 . Physical Review Letters, 2010, 104, 097202.	3.2	57
13	Evidence for Electroactive Excitation of the Spin Cycloid in TbMnO_3 . Physical Review Letters, 2010, 104, 097202.	7.8	51
14	Phase transitions in $\text{Sm}_{1-x}\text{Sr}_x\text{MnO}_3$ single crystals ($0 < x < 0.8$). Physica Status Solidi (B): Basic Research, 2003, 236, 445-449.	1.5	50
15	Magnetolectric effect and phase transitions in CuO in external magnetic fields. Nature Communications, 2016, 7, 10295.	12.8	47
16	Specificity of magnetolectric effects in a new GdMnO_3 magnetic ferroelectric. JETP Letters, 2005, 81, 19-23.	1.4	44
17	Magnetic properties and phase transitions in hexagonal DyMnO_3 single crystals. Physics of the Solid State, 2006, 48, 1726-1729.	0.6	41
18	Enhancement of band magnetism and features of the magnetically ordered state in the CeB_6 compound with strong electron correlations. Journal of Experimental and Theoretical Physics, 2007, 104, 120-138.	0.9	40

#	ARTICLE	IF	CITATIONS
37	Raman study of orbital mediated multiphonons in RMnO ₃ (R = Pr,Sm,Eu,Tb,Y). European Physical Journal B, 2006, 54, 67-72.	1.5	22
38	Observation of spontaneous spin reorientation in Nd ^{1-x} Dy ^x Fe ₃ (BO ₃) ₄ ferroborates with a competitive R-Fe exchange. JETP Letters, 2009, 89, 345-351.	1.4	20
39	Neutron diffraction, magnetic, and magnetoelectric studies of phase transitions in multiferroic Mn _{1-x} Co _x WO ₄ . Physical Review B, 2010, 82, 104411.	3.2	20
40	Switching of spontaneous electric polarization in the DyMnO ₃ multiferroic. JETP Letters, 2007, 85, 503-506.	3.2	20
41	Magnetoelastic and magnetoelastic properties of easy-plane ferroborates with a small ionic radius. Journal of Experimental and Theoretical Physics, 2012, 114, 810-817.	1.4	19
42	Magnetostriction and field induced transitions in La ^{1-x} Sr _x MnO ₃ in pulsed magnetic fields. Journal of Applied Physics, 1998, 83, 7160-7162.	0.9	18
43	Antiferromagnetic resonance and dielectric properties of rare-earth ferroborates in the submillimeter frequency range. Journal of Experimental and Theoretical Physics, 2011, 113, 113-120.	2.5	17
44	Large directional optical anisotropy in multiferroic ferroborate. Physical Review B, 2015, 92, .	0.9	17
45	Specific features of the magnetic field-induced orientational transition in EuMnO ₃ . JETP Letters, 2005, 81, 590-593.	3.2	17
46	X phase of MnWO ₄ . Physical Review B, 2014, 90, .	1.4	16
47	Soft-mode behavior of electromagnons in multiferroic manganite. Physical Review B, 2010, 82, .	3.2	15
48	Dynamic magnetoelectric phenomena with electromagnons in rare-earth borate multiferroics. Physics-Uspexhi, 2015, 58, 993-1001.	3.2	14
49	Magnetic and magnetoelectric properties of substituted M-type SrSc _x Fe _{12-x} O ₁₉ hexaferrites. Journal of Experimental and Theoretical Physics, 2017, 124, 604-611.	2.2	14
50	Study of crystal-field excitations and Raman active phonons in o-DyMnO ₃ . Journal of Magnetism and Magnetic Materials, 2011, 323, 1104-1108.	0.9	14
51	Electric and magnetic properties of titanium-cobalt-oxide single crystals produced by floating zone melting with light heating. Low Temperature Physics, 2017, 43, 965-970.	2.3	13
52	Ground state formation in a strong hubbard correlation regime in iron monosilicide. Journal of Experimental and Theoretical Physics, 2001, 92, 312-325.	0.6	13
53	Terahertz spectroscopy and the magnetoelectric properties of manganite-based multiferroics. Physics-Uspexhi, 2009, 52, 851-856.	0.9	12
54		2.2	12

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73	Infrared spectroscopy of crystal field transitions in magnetoelectric $TmAl_3(BO_3)_4$. Physical Review B, 2016, 94, 040408.	3.2	7
74	Single-crystal neutron diffraction study of hexagonal multiferroic $YbMnO_3$ under a magnetic field. Physical Review B, 2018, 98, .	3.2	7
75	Resonant micro-Raman study of $Nd_{0.5}Sr_{0.5}MnO_3$. Journal of Physics Condensed Matter, 2005, 17, 5247-5254.	1.8	6
76	Micro-Raman study and phase transitions of $Nd_{0.5}Ca_{0.5}MnO_3$. Journal of Physics Condensed Matter, 2006, 18, 1667-1676.	1.8	6
77	Phase transitions and spin excitations in new multiferroics with modulated magnetic structure. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1617-1619.	0.6	6
78	Magnetization anisotropy in the AFM and SDW phases of CeB_6 . JETP Letters, 2008, 88, 318-321.	1.4	6
79	Infrared study of $SmMnO_3$ crystal field excitations. Journal of Applied Physics, 2009, 105, 07E113.	2.5	6
80	Magnetoelectric effect in ytterbium aluminum borate $YbAl_3(BO_3)_4$. JETP Letters, 2017, 105, 435-441.	1.4	6
81	X-ray Natural Circular Dichroism Imaging of Multiferroic Crystals. Crystals, 2021, 11, 531.	2.2	6
82	Magnetoelectric phenomena in manganites $R_{0.6}Ca_{0.4}MnO_3$ (R = Pr, Nd) with charge ordering suppressed by a magnetic field. Journal of Experimental and Theoretical Physics, 2008, 106, 130-134.	0.9	5
83	IR spectroscopy of diamondlike silicon-carbon films. Technical Physics, 2008, 53, 641-645.	0.7	5
84	Magnetic and micro-Raman studies of hexagonal- $DyMnO_3$. Journal of Physics Condensed Matter, 2013, 25, 066003.	1.8	5
85	Anomalies of magnetoelastic properties and insulator-metal phase transitions induced by a magnetic field in substituted praseodymium manganites. Physics of the Solid State, 2001, 43, 1533-1537.	0.6	4
86	Phase transitions induced by a strong magnetic field in electron-doped manganites. Physics of the Solid State, 2006, 48, 2134-2136.	0.6	4
87	Magnetic field-temperature phase diagrams of multiferroic Ni_2VO_8 . Physical Review B, 2016, 94, .	3.2	4
88	Single crystals growth of hexaferrites M-type $MTi_xCo_xFe_{12-2x}O_{19}$ (M = Ba, Sr) by floating zone and investigation of their magnetic and magnetoelectric properties. Low Temperature Physics, 2017, 43, 971-976.	0.6	4
89	Conical magnetic structures in multiferroic $SrSc_2Fe_2O_{19}$ hexaferrites derived from powder neutron diffraction. Physical Review B, 2018, 98, .	3.2	4
90	Anomalies in the magnetic and magnetoelastic properties of $Nd_{1-x}Ca_xMnO_3$ single crystals in strong magnetic fields. Physics of the Solid State, 2004, 46, 2222-2224.	0.6	3

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91	Raman-active phonons and Nd ³⁺ -crystal-field studies of weakly doped Nd ^{1-x} Sr _x MnO ₃ . Physical Review B, 2005, 72, .	3.2	3
92	A micro-Raman study of a Pr _{0.5} Ca _{0.5} MnO ₃ single crystal and thin films. Journal of Physics Condensed Matter, 2009, 21, 386004.	1.8	3
93	Features of Magnetic and Magnetoelectric Properties in Rare-Earth Aluminum Borates RAl ₃ (BO ₃) ₄ . IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	3
94	Magnetic and magnetoelectric properties of terbium aluminum borate. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 97-99.	0.6	3
95	Luminescence and radiation effects in lithium triborate crystals. Journal of Applied Spectroscopy, 1993, 59, 693-698.	0.7	1
96	Anomalous magnetism and charge transport in dielectric La ^{1-x} Ca _x MnO ₃ (x ≈ 0.22). Journal of Applied Physics, 2009, 105, 07D717.	2.5	1
97	Magnetic anisotropy in the AFM and SDW phases of CeB ₆ . Journal of Physics: Conference Series, 2010, 200, 012189.	0.4	1
98	Thermal and magnetic properties and optical spectroscopy of SmCr ₃ (BO ₃) ₄ . Physical Review Materials, 2021, 5, .	2.4	1
99	Magnetoelectric phenomena in Fe langasites. Physical Review B, 2022, 105, .	3.2	1
100	Anomalies in the magnetic and magnetoelastic properties of Sm ^{1-x} Sr _x MnO ₃ single crystals (x ≈ 0.5) at phase transitions. Physics of the Solid State, 2004, 46, 1252-1254.	0.6	0
101	Micro-Raman and magnetization studies of Nd _{1-x} Ca _x MnO ₃ phase transitions. Journal of Physics: Conference Series, 2007, 92, 012125.	0.4	0
102	Microstructure of eutectic composites Ln ^{1-x} Ln ² x MnO ₃ (Ln = Eu or Tb; Ln ² = Y or Ho) near the transition between the orthorhombic structure and hexagonal structures. Crystallography Reports, 2012, 57, 549-554.	0.6	0
103	10.1007/s11447-008-1010-7. , 2010, 106, 130.		0
104	10.1007/s11448-008-1010-z. , 2010, 87, 39.		0