

Vsevolod Ivanov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103 papers	2,822 citations	26 h-index	51 g-index
105 ext. papers	3,055 ext. citations	2.4 avg, IF	4.39 L-index

#	Paper	IF	Citations
103	Magnetoelectric phenomena in Fe langasites. <i>Physical Review B</i> , 2022 , 105,	3.3	1
102	X-ray Natural Circular Dichroism Imaging of Multiferroic Crystals. <i>Crystals</i> , 2021 , 11, 531	2.3	3
101	Sign change of polarization rotation under time or space inversion in magnetoelectric YbAl ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2019 , 99,	3.3	6
100	Study of crystal-field excitations and infrared active phonons in TbMnO. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 175602	1.8	3
99	Switching of Magnons by Electric and Magnetic Fields in Multiferroic Borates. <i>Physical Review Letters</i> , 2018 , 120, 027203	7.4	19
98	Single-crystal neutron diffraction study of hexagonal multiferroic YbMnO ₃ under a magnetic field. <i>Physical Review B</i> , 2018 , 98,	3.3	3
97	Conical magnetic structures in multiferroic SrSc _x Fe _{12-3x} O ₁₉ hexaferrites derived from powder neutron diffraction. <i>Physical Review B</i> , 2018 , 98,	3.3	2
96	Magnetoelectric effect in ytterbium aluminum borate YbAl ₃ (BO ₃) ₄ . <i>JETP Letters</i> , 2017 , 105, 435-441	1.2	6
95	Magnetic and magnetoelectric properties of substituted M-type SrSc _x Fe _{12-3x} O ₁₉ hexaferrites. <i>Journal of Experimental and Theoretical Physics</i> , 2017 , 124, 604-611	1	11
94	Electric and magnetic properties of titanium-cobalt-oxide single crystals produced by floating zone melting with light heating. <i>Low Temperature Physics</i> , 2017 , 43, 965-970	0.7	11
93	Single crystals growth of hexaferrites M-type MTi _x Co _x Fe _{12-3x} O ₁₉ (M = Ba, Sr) by floating zone and investigation of their magnetic and magnetoelectric properties. <i>Low Temperature Physics</i> , 2017 , 43, 971-976	0.7	3
92	Magnetic field induced phase transitions and phase diagrams of multiferroic Mn _{0.95} Co _{0.05} WO ₄ with cycloidal spin structure. <i>Physical Review B</i> , 2017 , 96,	3.3	5
91	Magnetic field-temperature phase diagrams of multiferroic (Ni _{0.9} Co _{0.1}) ₃ V ₂ O ₈ . <i>Physical Review B</i> , 2016 , 94,	3.3	2
90	Terahertz spectroscopy of crystal-field transitions in magnetoelectric TmAl ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2016 , 94,	3.3	6
89	Magnetoelectric effect and phase transitions in CuO in external magnetic fields. <i>Nature Communications</i> , 2016 , 7, 10295	17.4	33
88	Effect of a magnetic field on the intermediate phase in Mn _{1-x} Fe _x Si: Spin-liquid versus fluctuations scenario. <i>JETP Letters</i> , 2016 , 103, 321-327	1.2	8
87	Magnetic and magnetoelectric properties of M-type substitution hexaferrites TSc _x Fe _{12-3x} O ₁₉ (T = Ba, Sr). <i>JETP Letters</i> , 2015 , 101, 489-496	1.2	25

86	Anomalous Hall effect in MnSi: Intrinsic to extrinsic crossover. <i>JETP Letters</i> , 2015 , 101, 459-464	1.2	7
85	Order-disorder type critical behavior at the magnetoelectric phase transition in multiferroic DyMnO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	7
84	Scrutinizing Hall Effect in Mn _{1-x} Fe _x Si: Fermi Surface Evolution and Hidden Quantum Criticality. <i>Physical Review Letters</i> , 2015 , 115, 256601	7.4	17
83	Large directional optical anisotropy in multiferroic ferroborate. <i>Physical Review B</i> , 2015 , 92,	3.3	15
82	Dynamic magnetoelectric phenomena with electromagnons in rare-earth borate multiferroics. <i>Physics-Uspexhi</i> , 2015 , 58, 993-1001	2.8	12
81	High-temperature magnetoelectricity of terbium aluminum borate: The role of excited states of the rare-earth ion. <i>Physical Review B</i> , 2014 , 89,	3.3	19
80	Magnetic and magnetoelectric properties of terbium aluminum borate. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2014 , 78, 97-99	0.4	3
79	X phase of MnWO ₄ . <i>Physical Review B</i> , 2014 , 90,	3.3	11
78	Giant gigahertz optical activity in multiferroic ferroborate. <i>Physical Review B</i> , 2014 , 89,	3.3	22
77	Features of Magnetic and Magnetoelectric Properties in Rare-Earth Aluminum Borates RAl ₃ (BO ₃) ₄ . <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	3
76	Spontaneous reorientation of the electric polarization in Eu _{1-x} Ho _x MnO ₃ multiferroics. <i>JETP Letters</i> , 2013 , 97, 28-33	1.2	6
75	Stabilization of multiferroic spin cycloid in Ni ₃ V ₂ O ₈ by light Co doping. <i>Physical Review B</i> , 2013 , 88,	3.3	6
74	Magnetic and micro-Raman studies of hexagonal-DyMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 066003	1.8	4
73	Study of crystal-field excitations and infrared active phonons in the multiferroic hexagonal-DyMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 475403	1.8	5
72	Microstructure of eutectic composites Ln _{1-x} Ln' _x MnO ₃ (Ln = Eu or Tb; Ln' = Y or Ho) near the transition between the orthorhombic structure and hexagonal structures. <i>Crystallography Reports</i> , 2012 , 57, 549-554	0.6	
71	Magnetoelectric and magnetoelastic properties of easy-plane ferroborates with a small ionic radius. <i>Journal of Experimental and Theoretical Physics</i> , 2012 , 114, 810-817	1	14
70	Neutron powder diffraction and single crystal X-ray magnetic resonant and non-resonant scattering studies of the doped multiferroic Tb(Bi)MnO ₃ . <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	9
69	Conical antiferromagnetic order in the ferroelectric phase of Mn _{0.8} Co _{0.2} WO ₄ resulting from the competition between collinear and cycloidal structures. <i>Physical Review B</i> , 2012 , 85,	3.3	19

68	Neutron diffraction, magnetic, and magnetoelectric studies of phase transitions in multiferroic Mn _{0.90} Co _{0.10} WO ₄ . <i>Physical Review B</i> , 2012 , 85,	3.3	18
67	Magnetic phase diagram of MnSi in the high-field region. <i>Physical Review B</i> , 2012 , 85,	3.3	34
66	Lattice anomalies at the ferroelectric and magnetic transitions in cycloidal Mn _{0.95} Co _{0.05} WO ₄ and conical Mn _{0.80} Co _{0.20} WO ₄ multiferroics. <i>Physical Review B</i> , 2012 , 86,	3.3	8
65	Colossal magnetodielectric effect in SmFe ₃ (BO ₃) ₄ multiferroic. <i>JETP Letters</i> , 2011 , 93, 275-281	1.2	53
64	Effects of the interaction between R and Fe modes of the magnetic resonance in RFe ₃ (BO ₃) ₄ rare-earth iron borates. <i>JETP Letters</i> , 2011 , 94, 294-300	1.2	20
63	Antiferromagnetic resonance and dielectric properties of rare-earth ferrobates in the submillimeter frequency range. <i>Journal of Experimental and Theoretical Physics</i> , 2011 , 113, 113-120	1	17
62	Study of crystal-field excitations and Raman active phonons in o-DyMnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 1104-1108	2.8	12
61	Magnetic and ferroelectric properties of exchange-frustrated multiferroics (Ni _{1-x} T _x) ₃ V ₂ O ₈ (T = Co, Mn, Zn). <i>JETP Letters</i> , 2010 , 91, 147-154	1.2	9
60	Magnetic and dielectric properties of orthorhombic and hexagonal multiferroics Tb _{1-x} Y _x MnO ₃ . <i>JETP Letters</i> , 2010 , 91, 392-397	1.2	7
59	Soft-mode behavior of electromagnons in multiferroic manganite. <i>Physical Review B</i> , 2010 , 82,	3.3	13
58	Composition-dependent spin-phonon coupling in mixed crystals of the multiferroic manganite Eu _{1-x} Y _x MnO ₃ (0 ≤ x ≤ 0.5) studied by Raman spectroscopy. <i>Physical Review B</i> , 2010 , 81,	3.3	23
57	Raman study of the antiferromagnetic phase transitions in hexagonal YMnO ₃ and LuMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 356002	1.8	24
56	Magnetoelectric and magnetoelastic properties of rare-earth ferrobates. <i>Low Temperature Physics</i> , 2010 , 36, 511-521	0.7	132
55	Evidence for electroactive excitation of the spin cycloid in TbMnO ₃ . <i>Physical Review Letters</i> , 2010 , 104, 097202	7.4	43
54	Magnetic anisotropy in the AFM and SDW phases of CeB ₆ . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012189	0.3	1
53	Peculiarities in the magnetic, magnetoelectric, and magnetoelastic properties of SmFe ₃ (BO ₃) ₄ multiferroic. <i>Journal of Experimental and Theoretical Physics</i> , 2010 , 111, 199-203	1	34
52	Magnetoelectric phenomena in manganites R _{0.6} Ca _{0.4} MnO ₃ (R = Pr, Nd) with charge ordering suppressed by a magnetic field 2010 , 106, 130		
51	Influence of the ground state of the Pr ³⁺ ion on magnetic and magnetoelectric properties of the PrFe ₃ (BO ₃) ₄ multiferroic 2010 , 87, 39		

50	Magnetic and magnetoelectric excitations in TbMnO ₃ . <i>Physical Review Letters</i> , 2009 , 102, 107203	7.4	54
49	Anomalous magnetism and charge transport in dielectric La _{1-x} Ca _x MnO ₃ (x~0.22). <i>Journal of Applied Physics</i> , 2009 , 105, 07D717	2.5	1
48	Terahertz spectroscopy and the magnetoelectric properties of manganite-based multiferroics. <i>Physics-Uspekhi</i> , 2009 , 52, 851-856	2.8	9
47	Observation of spontaneous spin reorientation in Nd _{1-x} Dy _x Fe ₃ (BO ₃) ₄ ferroborates with a competitive R-Fe exchange. <i>JETP Letters</i> , 2009 , 89, 345-351	1.2	19
46	Nd 3+ crystal-field study of weakly doped Nd _{1-x} Ca _x MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 3607-3610	2.8	5
45	Infrared study of SmMnO ₃ crystal field excitations. <i>Journal of Applied Physics</i> , 2009 , 105, 07E113	2.5	3
44	Magnetic anisotropy and magnetoelectric properties of Tb _{1-x} Er _x Fe ₃ (BO ₃) ₄ ferroborates. <i>Journal of Experimental and Theoretical Physics</i> , 2009 , 109, 68-73	1	32
43	A micro-Raman study of a Pr(0.5)Ca(0.5)MnO(3) single crystal and thin films. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 386004	1.8	3
42	Relaxations as key to the magnetocapacitive effects in the perovskite manganites. <i>Physical Review Letters</i> , 2009 , 102, 207208	7.4	61
41	Influence of the ground state of the Pr ³⁺ ion on magnetic and magnetoelectric properties of the PrFe ₃ (BO ₃) ₄ multiferroic. <i>JETP Letters</i> , 2008 , 87, 39-44	1.2	35
40	Magnetization anisotropy in the AFM and SDW phases of CeB ₆ . <i>JETP Letters</i> , 2008 , 88, 318-321	1.2	4
39	Terahertz spectroscopy of electromagnons in Eu _{1-x} Y _x MnO ₃ . <i>Physical Review B</i> , 2008 , 77,	3.3	52
38	IR spectroscopy of diamondlike silicon-carbon films. <i>Technical Physics</i> , 2008 , 53, 641-645	0.5	1
37	Magnetoelectric phenomena in manganites R _{0.6} Ca _{0.4} MnO ₃ (R = Pr, Nd) with charge ordering suppressed by a magnetic field. <i>Journal of Experimental and Theoretical Physics</i> , 2008 , 106, 130-134	1	5
36	Switching of spontaneous electric polarization in the DyMnO ₃ multiferroic. <i>JETP Letters</i> , 2007 , 85, 503-506	0.6	17
35	Enhancement of band magnetism and features of the magnetically ordered state in the CeB ₆ compound with strong electron correlations. <i>Journal of Experimental and Theoretical Physics</i> , 2007 , 104, 120-138	1	36
34	Magnetic and transport properties of colossal magnetoresistance compound EuB ₆ . <i>Journal of Experimental and Theoretical Physics</i> , 2007 , 105, 132-134	1	9
33	Phase transitions and spin excitations in new multiferroics with modulated magnetic structure. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007 , 71, 1617-1619	0.4	5

32	Micro-Raman and magnetization studies of Nd _{1-x} Ca _x MnO ₃ phase transitions. <i>Journal of Physics: Conference Series</i> , 2007 , 92, 012125	0.3	1
31	Multiferroic phases of Eu _{1-x} Y _x MnO ₃ . <i>Physical Review B</i> , 2007 , 75,	3.3	159
30	Spin-phonon coupling in orthorhombic RMnO ₃ (R=Pr,Nd,Sm,Eu,Gd,Tb,Dy,Ho,Y): A Raman study. <i>Physical Review B</i> , 2006 , 73,	3.3	167
29	Micro-Raman study and phase transitions of Nd _{0.5} Ca _{0.5} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 1667-1676	1.8	6
28	New orthorhombic multiferroics R _{1-x} Y _x MnO ₃ (R = Eu, Gd). <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 107-111	1.3	25
27	Possible evidence for electromagnons in multiferroic manganites. <i>Nature Physics</i> , 2006 , 2, 97-100	16.2	429
26	Magnetic properties and phase transitions in hexagonal DyMnO ₃ single crystals. <i>Physics of the Solid State</i> , 2006 , 48, 1726-1729	0.8	33
25	Phase transitions induced by a strong magnetic field in electron-doped manganites. <i>Physics of the Solid State</i> , 2006 , 48, 2134-2136	0.8	4
24	Raman study of orbital mediated multiphonons in RMnO ₃ (R = Pr,Sm,Eu,Tb,Y). <i>European Physical Journal B</i> , 2006 , 54, 67-72	1.2	20
23	Specificity of magnetoelectric effects in a new GdMnO ₃ magnetic ferroelectric. <i>JETP Letters</i> , 2005 , 81, 19-23	1.2	33
22	Specific features of the magnetic field-induced orientational transition in EuMnO ₃ . <i>JETP Letters</i> , 2005 , 81, 590-593	1.2	15
21	Observation of electric polarization in Gd _{1-x} Sr _x MnO ₃ (x = 0.5, 0.6, 0.7) single crystals. <i>JETP Letters</i> , 2005 , 82, 590-593	1.2	8
20	Resonant micro-Raman study of Nd _{0.5} Sr _{0.5} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 5247-5284	1.2	6
19	Raman-active phonons and Nd ³⁺ crystal-field studies of weakly doped Nd _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 2005 , 72,	3.3	3
18	Anomalies in the magnetic and magnetoelastic properties of Sm _{1-x} Sr _x MnO ₃ single crystals (x ~ 0.5) at phase transitions. <i>Physics of the Solid State</i> , 2004 , 46, 1252-1254	0.8	
17	Anomalies in the magnetic and magnetoelastic properties of Nd _{1-x} Ca _x MnO ₃ single crystals in strong magnetic fields. <i>Physics of the Solid State</i> , 2004 , 46, 2222-2224	0.8	3
16	Magnetic properties and specific heat of RMnO ₃ (R=Pr, Nd). <i>Physical Review B</i> , 2004 , 69,	3.3	76
15	Complex interplay of 3d and 4f magnetism in La _{1-x} Gd _x MnO ₃ . <i>Physical Review B</i> , 2004 , 70,	3.3	162

14	Phase transitions in $\text{Sm}_{1-x}\text{Sr}_x\text{MnO}_3$ single crystals ($0 \leq x \leq 0.8$). <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 236, 445-449	1.3	46
13	The nature of magnetoelastic anomalies in $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ upon suppression of charge ordering by a magnetic field. <i>Physics of the Solid State</i> , 2003 , 45, 1280-1283	0.8	6
12	Structural, magnetic, and electrical properties of single-crystalline $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.4 \leq x \leq 0.8$). <i>Physical Review B</i> , 2002 , 66, 040401	3.3	223
11	Ground state formation in a strong hubbard correlation regime in iron monosilicide. <i>Journal of Experimental and Theoretical Physics</i> , 2001 , 92, 312-325	1	11
10	Anomalies of magnetoelastic properties and insulator-metal phase transitions induced by a magnetic field in substituted praseodymium manganites. <i>Physics of the Solid State</i> , 2001 , 43, 1533-1537	0.8	4
9	Thermal-expansion and magnetostriction anomalies in phase transitions in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physics of the Solid State</i> , 2000 , 42, 1110-1115	0.8	7
8	Antiferromagnetic resonance in the canted phase of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$: Experimental evidence against electronic phase separation. <i>Europhysics Letters</i> , 2000 , 49, 514-520	1.6	23
7	High-field antiferromagnetic resonance in single-crystalline $\text{La}_{0.95}\text{Sr}_{0.05}\text{MnO}_3$: Experimental evidence for the existence of a canted magnetic structure. <i>Physical Review B</i> , 2000 , 62, 5685-5689	3.3	34
6	Charge carrier localization in investigated by ac conductivity measurements. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 3273-3290	1.8	77
5	Itinerant versus localized transport in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ for x . <i>Physical Review B</i> , 1999 , 59, 12419-12424	3.3	26
4	Magnetic and structural transitions in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$: T-x phase diagram. <i>JETP Letters</i> , 1998 , 68, 356-362	2.2	35
3	Magnetic, dielectric, and transport properties of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ at submillimeter wavelengths. <i>Journal of Applied Physics</i> , 1998 , 83, 7180-7182	2.5	34
2	Magnetostriction and field induced transitions in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ in pulsed magnetic fields. <i>Journal of Applied Physics</i> , 1998 , 83, 7160-7162	2.5	16
1	Luminescence and radiation effects in lithium triborate crystals. <i>Journal of Applied Spectroscopy</i> , 1993 , 59, 693-698	0.7	1