

Vsevolod Ivanov

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9668588/vsevolod-ivanov-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Possible evidence for electromagnons in multiferroic manganites. <i>Nature Physics</i> , 2006 , 2, 97-100	16.2	429
102	Structural, magnetic, and electrical properties of single-crystalline $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ (0.4. <i>Physical Review B</i> , 2002 , 66,	3.3	223
101	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
100	Complex interplay of 3d and 4f magnetism in $\text{La}_{1-x}\text{Gd}_x\text{MnO}_3$. <i>Physical Review B</i> , 2004 , 70,	3.3	162
99	Multiferroic phases of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Physical Review B</i> , 2007 , 75,	3.3	159
98	Magnetoelectric and magnetoelastic properties of rare-earth ferroborates. <i>Low Temperature Physics</i> , 2010 , 36, 511-521	0.7	132
97	Charge carrier localization in investigated by ac conductivity measurements. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 3273-3290	1.8	77
96	Magnetic properties and specific heat of RMnO_3 (R=Pr, Nd). <i>Physical Review B</i> , 2004 , 69,	3.3	76
95	Relaxations as key to the magnetocapacitive effects in the perovskite manganites. <i>Physical Review Letters</i> , 2009 , 102, 207208	7.4	61
94	Magnetic and magnetoelectric excitations in TbMnO_3 . <i>Physical Review Letters</i> , 2009 , 102, 107203	7.4	54
93	Colossal magnetodielectric effect in $\text{SmFe}_3(\text{BO}_3)_4$ multiferroic. <i>JETP Letters</i> , 2011 , 93, 275-281	1.2	53
92	Terahertz spectroscopy of electromagnons in $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Physical Review B</i> , 2008 , 77,	3.3	52
91	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
90	Evidence for electroactive excitation of the spin cycloid in TbMnO_3 . <i>Physical Review Letters</i> , 2010 , 104, 097202	7.4	43
89	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
88	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	35
87	Influence of the ground state of the Pr^{3+} ion on magnetic and magnetoelectric properties of the $\text{PrFe}_3(\text{BO}_3)_4$ multiferroic. <i>JETP Letters</i> , 2008 , 87, 39-44	1.2	35

86	Magnetic phase diagram of MnSi in the high-field region. <i>Physical Review B</i> , 2012 , 85,	3.3	34
85	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
84	High-field antiferromagnetic resonance in single-crystalline La _{0.95} Sr _{0.05} MnO ₃ : Experimental evidence for the existence of a canted magnetic structure. <i>Physical Review B</i> , 2000 , 62, 5685-5689	3.3	34
83	Magnetic, dielectric, and transport properties of La _{1-x} Sr _x MnO ₃ at submillimeter wavelengths. <i>Journal of Applied Physics</i> , 1998 , 83, 7180-7182	2.5	34
82	Magnetoelectric effect and phase transitions in CuO in external magnetic fields. <i>Nature Communications</i> , 2016 , 7, 10295	17.4	33
81	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
80	Specificity of magnetoelectric effects in a new GdMnO ₃ magnetic ferroelectric. <i>JETP Letters</i> , 2005 , 81, 19-23	1.2	33
79	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
78	Itinerant versus localized transport in La _{1-x} Sr _x MnO ₃ for x. <i>Physical Review B</i> , 1999 , 59, 12419-12424	3.3	26
77	Magnetic and magnetoelectric properties of M-type substitution hexaferrites TSc _x Fe ₁₂₋₁₉ (T = Ba, Sr). <i>JETP Letters</i> , 2015 , 101, 489-496	1.2	25
76	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
75	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
74	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
73	Antiferromagnetic resonance in the canted phase of La _{1-x} Sr _x MnO ₃ : Experimental evidence against electronic phase separation. <i>Europhysics Letters</i> , 2000 , 49, 514-520	1.6	23
72	Giant gigahertz optical activity in multiferroic ferroborate. <i>Physical Review B</i> , 2014 , 89,	3.3	22
71	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
70	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
69	Switching of Magnons by Electric and Magnetic Fields in Multiferroic Borates. <i>Physical Review Letters</i> , 2018 , 120, 027203	7.4	19

68	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
67	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
66	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
65	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
64	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
63	Antiferromagnetic resonance and dielectric properties of rare-earth ferroborates in the submillimeter frequency range. <i>Journal of Experimental and Theoretical Physics</i> , 2011 , 113, 113-120	1	17
62	Switching of spontaneous electric polarization in the DyMnO ₃ multiferroic. <i>JETP Letters</i> , 2007 , 85, 503-506	1.6	17
61	Magnetostriction and field induced transitions in La _{1-x} Sr _x MnO ₃ in pulsed magnetic fields. <i>Journal of Applied Physics</i> , 1998 , 83, 7160-7162	2.5	16
60	Large directional optical anisotropy in multiferroic ferroborate. <i>Physical Review B</i> , 2015 , 92,	3.3	15
59	Specific features of the magnetic field-induced orientational transition in EuMnO ₃ . <i>JETP Letters</i> , 2005 , 81, 590-593	1.2	15
58	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
57	Soft-mode behavior of electromagnons in multiferroic manganite. <i>Physical Review B</i> , 2010 , 82,	3.3	13
56	Dynamic magnetoelectric phenomena with electromagnons in rare-earth borate multiferroics. <i>Physics-Uspekhi</i> , 2015 , 58, 993-1001	2.8	12
55	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
54	Magnetic and magnetoelectric properties of substituted M-type SrSc _x Fe ₁₂ O ₁₉ hexaferrites. <i>Journal of Experimental and Theoretical Physics</i> , 2017 , 124, 604-611	1	11
53	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
52	X phase of MnWO ₄ . <i>Physical Review B</i> , 2014 , 90,	3.3	11
51	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

50	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
49	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
48	Terahertz spectroscopy and the magnetoelectric properties of manganite-based multiferroics. <i>Physics-Uspokhi</i> , 2009 , 52, 851-856	2.8	9
47	Magnetic and transport properties of colossal magnetoresistance compound EuB ₆ . <i>Journal of Experimental and Theoretical Physics</i> , 2007 , 105, 132-134	1	9
46	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
45	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
44	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
43	Anomalous Hall effect in MnSi: Intrinsic to extrinsic crossover. <i>JETP Letters</i> , 2015 , 101, 459-464	1.2	7
42	Order-disorder type critical behavior at the magnetoelectric phase transition in multiferroic DyMnO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	7
41	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
40	Thermal-expansion and magnetostriction anomalies in phase transitions in La _{1-x} Sr _x MnO ₃ . <i>Physics of the Solid State</i> , 2000 , 42, 1110-1115	0.8	7
39	Magnetoelectric effect in ytterbium aluminum borate YbAl ₃ (BO ₃) ₄ . <i>JETP Letters</i> , 2017 , 105, 435-441	1.2	6
38	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
37	Terahertz spectroscopy of crystal-field transitions in magnetoelectric TmAl ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2016 , 94,	3.3	6
36	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
35	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
34	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
33	The nature of magnetoelastic anomalies in Nd _{0.5} Sr _{0.5} 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

32	Resonant micro-Raman study of Nd _{0.5} Sr _{0.5} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 5247-5284	6
31	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
30	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
29	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
28	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
27	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
26	Magnetic and micro-Raman studies of hexagonal-DyMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 066003	1.8 4
25	Magnetization anisotropy in the AFM and SDW phases of CeB ₆ . <i>JETP Letters</i> , 2008 , 88, 318-321	1.2 4
24	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
23	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
22	Single crystals growth of hexaferrites M-type MTi _x CoxFe _{12-x} 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
21	Study of crystal-field excitations and infrared active phonons in TbMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 175602	1.8 3
20	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
19	Features of Magnetic and Magnetoelectric Properties in Rare-Earth Aluminum Borates RAl ₃ (BO ₃) ₄ . <i>IEEE Transactions on Magnetism</i> , 2014 , 50, 1-4	2 3
18	Infrared study of SmMnO ₃ crystal field excitations. <i>Journal of Applied Physics</i> , 2009 , 105, 07E113	2.5 3
17	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
16	Anomalies in the magnetic and magnetoelastic properties of Nd _{1-x} CaxMnO ₃ single crystals in strong magnetic fields. <i>Physics of the Solid State</i> , 2004 , 46, 2222-2224	0.8 3
15	Raman-active phonons and Nd ³⁺ crystal-field studies of weakly doped Nd _{1-x} SrxMnO ₃ . <i>Physical Review B</i> , 2005 , 72,	3.3 3

14	X-ray Natural Circular Dichroism Imaging of Multiferroic Crystals. <i>Crystals</i> , 2021 , 11, 531	2.3	3
13	Single-crystal neutron diffraction study of hexagonal multiferroic YbMnO ₃ under a magnetic field. <i>Physical Review B</i> , 2018 , 98,	3.3	3
12	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
11	Conical magnetic structures in multiferroic SrSc _x Fe _{12-x} O ₁₉ hexaferrites derived from powder neutron diffraction. <i>Physical Review B</i> , 2018 , 98,	3.3	2
10	Anomalous magnetism and charge transport in dielectric La _{1-x} CaxMnO ₃ (x ~ 0.22). <i>Journal of Applied Physics</i> , 2009 , 105, 07D717	2.5	1
9	Magnetic anisotropy in the AFM and SDW phases of CeB ₆ . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012189	0.3	1
8	IR spectroscopy of diamondlike silicon-carbon films. <i>Technical Physics</i> , 2008 , 53, 641-645	0.5	1
7	Micro-Raman and magnetization studies of Nd _{1-x} CaxMnO ₃ phase transitions. <i>Journal of Physics: Conference Series</i> , 2007 , 92, 012125	0.3	1
6	Luminescence and radiation effects in lithium triborate crystals. <i>Journal of Applied Spectroscopy</i> , 1993 , 59, 693-698	0.7	1
5	Magnetoelectric phenomena in Fe langasites. <i>Physical Review B</i> , 2022 , 105,	3.3	1
4	Microstructure of eutectic composites Ln _{1-x} Ln _x MnO ₃ (Ln = Eu or Tb; Ln _x = Y or Ho) near the transition between the orthorhombic structure and hexagonal structures. <i>Crystallography Reports</i> , 2012 , 57, 549-554	0.6	
3	Anomalies in the magnetic and magnetoelastic properties of Sm _{1-x} SrxMnO ₃ single crystals (x ~ 0.5) at phase transitions. <i>Physics of the Solid State</i> , 2004 , 46, 1252-1254	0.8	
2	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		
1	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		