

Nikita Ter-Oganessian

List of Publications by Year in descending order

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37
papers

460
citations

758635

12
h-index

752256

20
g-index

38
all docs

38
docs citations

38
times ranked

563
citing authors

#	ARTICLE	IF	CITATIONS
1	The rhombohedral phase with incommensurate modulation in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$. Phase Transitions, 2006, 79, 163-173. Linear magnetoelectric effect as a signature of long-range collinear antiferromagnetic ordering in the frustrated spinel CoA_2O_4 . Physical Review B, 2017, 95, .	0.6	71
2	Linear magnetoelectric effect as a signature of long-range collinear antiferromagnetic ordering in the frustrated spinel CoA_2O_4 . Physical Review B, 2017, 95, .	1.1	29
3	Magnetoelectric and multiferroic properties of spinels. Journal of Applied Physics, 2021, 129, .	1.1	26
4	Osmotic Force-Controlled Microrheometry of Entangled Actin Networks. Physical Review Letters, 2005, 94, 198102.	2.9	25
5	Magnetic field-induced ferroelectricity in $\frac{1}{2}$ kagome staircase compound $\text{PbCu}_3\text{TeO}_7$. Npj Quantum Materials, 2018, 3, .	1.8	25
6	The magnetoelectric effect due to local noncentrosymmetry. Journal of Physics Condensed Matter, 2012, 24, 266002.	0.7	21
7	Magnetoelectric effect in simple collinear antiferromagnetic spinels. Physical Review B, 2016, 94, .	1.1	20
8	Theory of order-disorder phase transitions of AB_2O_3 perovskites. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 264-273.	0.5	19
9	Linear magnetoelectric effect in antiferromagnetic Sm_2O_3 . Physical Review B, 2019, 100, .	1.2	18
10	Observation of Spin-Induced Ferroelectricity in a Layered van der Waals Antiferromagnet CuCrP_2S_6 . Advanced Electronic Materials, 0, , 2101072.	2.6	18
11	Viscoelasticity of entangled actin networks studied by long-pulse magnetic bead microrheometry. Physical Review E, 2005, 72, 061916.	0.8	17
12	Cation-ordered magnetic spinels as magnetoelectrics. Journal of Magnetism and Magnetic Materials, 2014, 364, 47-54.	1.0	17
13	Active microrheology of networks composed of semiflexible polymers: Computer simulation of magnetic tweezers. Physical Review E, 2005, 72, 041510.	0.8	14
14	Active microrheology of networks composed of semiflexible polymers: Theory and comparison with simulations. Physical Review E, 2005, 72, 041511.	0.8	12
15	Phenomenological theory of phase transitions in multiferroic MnWO_4 : magnetoelectricity and modulated magnetic order. Journal of Physics Condensed Matter, 2010, 22, 226002.	0.7	12
16	Effect of pressure on the order-disorder phase transitions of AB_2O_3 perovskites. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 1034-1041.	0.5	11
17	Praphase concept for the phenomenological description of magnetoelectrics. Crystallography Reports, 2012, 57, 112-117.	0.1	10
18	Spin-driven ferroelectricity and large magnetoelectric effect in monoclinic MnS_2 . Physical Review B, 2018, 98, .	1.1	10

#	ARTICLE	IF	CITATIONS
19	Interplay of d-d interactions and spin-induced ferroelectricity in the green phase $\text{BaCu}_2\text{Ge}_2\text{O}_{10}$. Physical Review Letters, 2019, 123, 177201.	1.3	10
20	Improper Ferroelectric Antiferromagnetics. Ferroelectrics, 2010, 400, 12-18.	0.3	9
21	Predicting the structural, electronic and magnetic properties of few atomic-layer polar perovskite. Physical Chemistry Chemical Physics, 2021, 23, 5578-5582.	1.3	8
22	Linear magnetoelectric effect in $\text{g}\ddot{\text{A}}\text{rthite}$, $\text{I}\ddot{\text{z}}\text{-FeOOH}$. Scientific Reports, 2017, 7, 16410.	1.6	7
23	Ferroelectric and ferroelastic phase states of crystals caused by atomic ordering. Crystallography Reports, 2003, 48, 443-447.	0.1	6
24	Exchange symmetry in description of magnetoelectrics. Physics of the Solid State, 2012, 54, 311-315.	0.2	6
25	Interpretation of magnetoelectric phase states using the praphase concept and exchange symmetry. Journal of Physics Condensed Matter, 2014, 26, 036003.	0.7	6
26	Electric polarization of magnetic domain walls in magnetoelectrics. Journal of Physics Condensed Matter, 2015, 27, 246002.	0.7	6
27	Dielectric and Magnetic Properties of Magnetoelectric Delafossites. Ferroelectrics, 2012, 438, 101-106.	0.3	5
28	Interrelation of ferroelectricity and tilting in perovskites using the phase transitions in $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ as an example. Solid State Sciences, 2015, 40, 105-110.	1.5	4
29	The $\text{CdTiO}_3/\text{BaTiO}_3$ superlattice interface from first principles. Nanoscale, 2021, 13, 8506-8513.	2.8	3
30	Magnetoelectric effect in a single crystal of the frustrated spinel $\text{Co}_4\text{Al}_3\text{O}_{13}$. Physical Review B, 2021, 103, .	1.1	3
31	Magnetic and dielectric properties of $\text{BaFe}_{1/2}\text{Sn}_{1/2}\text{O}_3$ - $\ddot{\text{r}}$ ceramics. Ceramics International, 2021, , .	2.3	3
32	Atomic Ordering and Ferroelectricity. Ferroelectrics, 2005, 314, 1-6.	0.3	2
33	Structure and Ferroelectric Properties of Thin Heteroepitaxial NaNbO_3 Films Obtained by RF Cathode Sputtering. Technical Physics Letters, 2020, 46, 62-65.	0.2	2
34	Local environment of iron and tin ions, diffuse absorption, and giant dielectric response in $\text{BaFe}_{1/2}\text{Sn}_{1/2}\text{O}_3$ - $\ddot{\text{r}}$ prepared by the sol-gel method. Journal of Alloys and Compounds, 2021, 860, 158327.	2.8	2
35	Hidden improper ferroelectric phases for design of antiferroelectrics. Journal of Physics Condensed Matter, 2020, 32, 275401.	0.7	2
36	Magnetic and magnetoelectric properties of AFeF_5 ($\text{A} = \text{Ca}, \text{Sr}$) spin-chain compounds. Journal of Magnetism and Magnetic Materials, 2020, 493, 165720.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Synthesis, structure, and dielectric properties of the $0.91\text{NaNbO}_3 \text{--} 0.09\text{SrZrO}_3/\text{SrRuO}_3/\text{MgO}(001)$ heterostructure. <i>Ferroelectrics</i> , 2022, 590, 227-232.	0.3	0