

Veronica Goian

List of Publications by Year in descending order

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48
papers

1,893
citations

430442

18
h-index

264894

42
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52
all docs

52
docs citations

52
times ranked

2972
citing authors

#	ARTICLE	IF	CITATIONS
1	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2010, 466, 954-958.	13.7	668
2	Exploiting dimensionality and defect mitigation to create tunable microwave dielectrics. Nature, 2013, 502, 532-536.	13.7	204
3	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2011, 476, 114-114.	13.7	183
4	A multiferroic material to search for the permanent electric dipole moment of the electron. Nature Materials, 2010, 9, 649-654.	13.3	88
5	Antiferrodistortive phase transition in EuTiO ₃ . Physical Review B, 2012, 86, .	1.1	87
6	Polar phonon mixing in magnetoelectric EuTiO ₃ . European Physical Journal B, 2009, 71, 429-433.	0.6	68
7	Strong spin-phonon coupling in infrared and Raman spectra of SrMnO ₃ . Physical Review B, 2014, 89, .	1.1	39
8	Magnetic and dielectric properties of hexagonal InMnO ₃ . Physical Review B, 2009, 79, .	1.1	39
9	Structure, dielectric, and magnetic properties of Sr ₂ TiMnO ₆ ceramics. Journal of Applied Physics, 2010, 108, .	1.1	36
10	Absence of ferroelectricity in BiMnO ₃ ceramics. Journal of Applied Physics, 2012, 112, .	1.1	36
11	Dielectric, magnetic, and lattice dynamics properties of Y-type hexaferrite Ba _{0.5} Sr _{1.5} Zn ₂ Fe ₁₂ O ₂₂ : Comparison of ceramics and single crystals. Journal of Applied Physics, 2010, 107, .	1.1	35
12	Spin and lattice excitations of a BiFeO ₃ film and ceramics. Physical Review B, 2015, 91, .	1.1	27
13	Targeted chemical pressure yields tuneable millimetre-wave dielectric. Nature Materials, 2020, 19, 176-181.	13.3	27
14	Optical response of DyN. Journal of Applied Physics, 2013, 113, 203509.	1.1	24
15	Terahertz and infrared spectroscopic evidence of phonon-paramagnon coupling in hexagonal piezomagnetic YMnO ₃ . Physical Review B, 2011, 84, .	1.1	23
16	Electromagnon in the Z-type hexaferrite. Physical Review B, 2016, 94, .	1.1	23
17	Thin films deposited on (001)(LaAlO ₃) _{Tj} ETQq1 1 0.784314 rgBT /Over	1.1	21
18	Making EuO multiferroic by epitaxial strain engineering. Communications Materials, 2020, 1, .	2.9	21

#	ARTICLE	IF	CITATIONS
19	Dielectric, magnetic and structural properties of novel multiferroic Eu _{0.5} Ba _{0.5} TiO ₃ ceramics. Journal of Physics Condensed Matter, 2011, 23, 025904.	0.7	18
20	Possible coupling between magnons and phonons in multiferroic CaMnO ₇ . Physical Review B, 2014, 90, .	1.1	18
21	Ferroelectric and Incipient Ferroelectric Properties of a Novel Sr _{9-x} PbxCe ₂ Ti ₂ O ₃₆ (x = 0-9) Ceramic System. Chemistry of Materials, 2009, 21, 811-819.	3.2	16
22	Polar phonon anomalies in single-crystalline TbScO ₃ . Phase Transitions, 2013, 86, 206-216.	0.6	16
23	THz and infrared studies of multiferroic hexagonal Y _{1-x} Eu _x MnO ₃ (x = 0-0.2) ceramics. Phase Transitions, 2010, 83, 931-941.	1.4	14
24	Terahertz and infrared studies of antiferroelectric phase transition in multiferroic Bi _{0.85} Nd _{0.15} FeO ₃ . Journal of Applied Physics, 2011, 110, .	1.1	14
25	Electromagnon in ferromagnetic Fe ₂ O ₃ nanograin ceramics. Physical Review B, 2012, 85, 041101.	1.1	13
26	Processing of phase pure and dense bulk EuTiO ₃ ceramics and their infrared reflectivity spectra. Materials Letters, 2012, 74, 16-18.	1.3	12
27	The manifestation of spin-phonon coupling in CaMnO ₃ . Journal of Applied Physics, 2015, 117, .	1.1	12
28	Spin-phonon coupling in epitaxial Sr ₂ Fe _{0.6} B _{0.4} MnO ₇ . Physical Review B, 2012, 85, 041101.	1.1	12
29	GMI Effect in Amorphous Glass Covered Microwires as a Function of the Internal Induced Stresses. IEEE Transactions on Magnetics, 2006, 42, 3359-3361.	1.2	11
30	Spectroscopic studies of the ferroelectric and magnetic phase transitions in multiferroic Sr _{1-x} Ba _x MnO ₃ . Journal of Physics Condensed Matter, 2016, 28, 175901.	0.7	11
31	Hard and soft phonon on the microwave dielectric loss near the strain-induced ferroelectric phase transitions in Sr ₂ Fe _n Mn _{2-n} O ₇ ceramics. Physical Review B, 2017, 95, .	1.1	10
32	Performance Comparison of Time-Domain Terahertz, Multi-terahertz, and Fourier Transform Infrared Spectroscopies. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 1249-1263.	1.2	10
33	Structure and surface morphology of Mn-implanted TiO ₂ . Thin Solid Films, 2007, 515, 6402-6406.	0.8	9
34	Incipient Ferroelectric Properties of NaTaO ₃ . Ferroelectrics, 2012, 426, 206-214.	0.3	8
35	Unusual ferroelectric and magnetic phases in multiferroic Sr ₂ Hf ₂ MnO ₇ ceramics. Physical Review B, 2017, 95, .	1.1	8
36	Lattice dynamics and broad-band dielectric properties of multiferroic Pb(Fe _{1/2} Nb _{1/2})O ₃ ceramics. Journal of Applied Physics, 2015, 117, 084101.	1.1	6

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37	Changes in spin and lattice dynamics induced by magnetic and structural phase transitions in multiferroic $\text{SrMn}_7\text{O}_{12}$. <i>Physical Review B</i> , 2019, 80.		
38	Magnetic and dielectric properties of multiferroic $\text{Eu}_{0.5}\text{Ba}_{0.25}\text{Sr}_{0.25}\text{TiO}_3$ ceramics. <i>Phase Transitions</i> , 2013, 86, 191-199.	0.6	3
39	Growth and lattice dynamics of ultrathin BaO films on $\text{Pt}(001)$. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 095001.	0.7	3
40	Surface Stress and Lattice Dynamics in Oxide Ultrathin Films. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900650.	0.7	3
41	Strain effect on magnetic-exchange-induced phonon splitting in NiO films. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 405607.	0.7	2
42	Spin-phonon interaction increased by compressive strain in antiferromagnetic MnO thin films. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 175402.	0.7	1
43	GMI effect in amorphous glass covered microwires as a function of the internal induced stresses. , 2006, , .		0
44	Spin and lattice vibrations of $\text{CaMn}_7\text{O}_{12}$ in the THz range. , 2014, , .		0
45	Spin and lattice excitations of multiferroic $(\text{Ba}_{0.2}\text{Sr}_{0.8})_3\text{Co}_2\text{Fe}_{24}\text{O}_{41}$ in the THz range. , 2015, , .		0
46	THz spectroscopic investigations of magnetodielectric coupling in $\text{Sr}_{0.55}\text{Ba}_{0.45}\text{MnO}_3$ ceramics. , 2016, , .		0
47	Spin and lattice dynamics of multiferroic $\text{SrMn}_7\text{O}_{12}$ studied by THz and infrared spectroscopies at low temperatures and in magnetic field. , 2019, , .		0
48	Anomalous temperature dependence of the effective mass in $\text{p-Bi}_2\text{O}_2$. <i>Physical Review B</i> , 2021, 104, .	1.1	0