Jorge Iiguez

List of Publications by Citations

171 papers	8,099 citations	51 h-index	85 g-index
188 ext. papers	9,586 ext. citations	9 avg, IF	6.34 L-index

#	Paper	IF	Citations
171	Deterministic switching of ferromagnetism at room temperature using an electric field. *Nature*, **2014**, 516, 370-3	50.4	449
170	Exchange bias in LaNiO3-LaMnO3 superlattices. *Nature Materials*, **2012**, 11, 195-8	27	358
169	First-principles approach to insulators in finite electric fields. *Physical Review Letters*, **2002**, 89, 117602	7.4	300
168	Hybrid exchange-correlation functional for accurate prediction of the electronic and structural properties of ferroelectric oxides. *Physical Review B*, **2008**, 77,	3.3	265
167	Observation of room-temperature polar skyrmions. *Nature*, **2019**, 568, 368-372	50.4	221
166	Negative capacitance in multidomain ferroelectric superlattices. *Nature*, **2016**, 534, 524-8	50.4	205
165	Molecular and dissociative adsorption of multiple hydrogen molecules on transition metal decorated C60. *Physical Review B*, **2005**, 72,	3.3	204
164	A rhombohedral ferroelectric phase in epitaxially strained HfZrO thin films. *Nature Materials*, **2018**, 17, 1095-1100	27	196
163	First-principles predictions of low-energy phases of multiferroic BiFeO3. *Physical Review B*, **2011**, 83,	3.3	191
162	Rare-earth nickelates RNiO: thin films and heterostructures. *Reports on Progress in Physics*, **2018**, 81, 046501	14.4	170
161	First-principles study of (BiScO3)1□(PbTiO3)x piezoelectric alloys. *Physical Review B*, **2003**, 67,	3.3	144
160	Spatially resolved steady-state negative capacitance. *Nature*, **2019**, 565, 468-471	50.4	144
159	Structure and hydrogen dynamics of pure and Ti-doped sodium alanate. *Physical Review B*, **2004**, 70,	3.3	138
158	Artificial chemical and magnetic structure at the domain walls of an epitaxial oxide. *Nature*, **2014**, 515, 379-83	50.4	128
157	Orbital and Spin Chains in ZnV2O4. *Physical Review Letters*, **2004**, 93, 156407	7.4	128
156	Near room-temperature multiferroic materials with tunable ferromagnetic and electrical properties. *Nature Communications*, **2014**, 5, 4021	17.4	127
155	Spin-phonon coupling effects in transition-metal perovskites: A DFT + U and hybrid-functional study. *Physical Review B*, **2012**, 85,	3.3	126

154	Phase coexistence and electric-field control of toroidal order in oxide superlattices. *Nature Materials*, **2017**, 16, 1003-1009	27	108
153	Designing lead-free antiferroelectrics for energy storage. *Nature Communications*, **2017**, 8, 15682	17.4	107
152	Ferroelectric negative capacitance. *Nature Reviews Materials*, **2019**, 4, 243-256	73.3	106
151	Raman spectroscopy of rare-earth orthoferrites RFeO3 (R=La, Sm, Eu, Gd, Tb, Dy). *Physical Review B* , **2016**, 94,	3.3	102
150	First-principles study of the temperature-pressure phase diagram of BaTiO3. *Physical Review Letters*, **2002**, 89, 115503	7.4	94
149	A single-component molecular metal based on a thiazole dithiolate gold complex. *Journal of the American Chemical Society*, **2009**, 131, 16961-7	16.4	92
148	Ab□Initio indications for giant magnetoelectric effects driven by structural softness. *Physical Review Letters*, **2010**, 105, 037208	7.4	90
147	Second-principles method for materials simulations including electron and lattice degrees of freedom. *Physical Review B*, **2016**, 93,	3.3	83
146	Novel Nanoscale Twinned Phases in Perovskite Oxides. *Advanced Functional Materials*, **2013**, 23, 234-240	15.6	81
145	Multiferroic phase transition near room temperature in BiFeO3 films. *Physical Review Letters*, **2011**, 107, 237601	7.4	80
144	Magnetoelectric response of multiferroic BiFeO3 and related materials from first-principles calculations. *Physical Review Letters*, **2009**, 103, 267205	7.4	80
143	CaFeO2: a new type of layered structure with iron in a distorted square planar coordination. *Journal of the American Chemical Society*, **2009**, 131, 221-9	16.4	80
142	First-principles approach to lattice-mediated magnetoelectric effects. *Physical Review Letters*, **2008** , 101, 117201	7.4	79
141	Complete phase diagram of rare-earth nickelates from first-principles. *Npj Quantum Materials*, **2017** , 2,	5	77
140	Structurally triggered metal-insulator transition in rare-earth nickelates. *Nature Communications*, **2017**, 8, 1677	17.4	77
139	Anomalous properties in ferroelectrics induced by atomic ordering. *Nature*, **2001**, 413, 54-7	50.4	76
138	Emergent chirality in the electric polarization texture of titanate superlattices. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 915-920	11.5	73
137	First-principles investigation of morphotropic transitions and phase-change functional responses in BiFeO3-BiCoO3 multiferroic solid solutions. *Physical Review Letters*, **2011**, 107, 057601	7.4	73

136	Dynamics of Berry-phase polarization in time-dependent electric fields. *Physical Review B*, **2004**, 69,	3.3	73
135	Optical control of polarization in ferroelectric heterostructures. *Nature Communications*, **2018**, 9, 3344	17.4	69
134	Tuning the atomic and domain structure of epitaxial films of multiferroic BiFeO3. *Physical Review B*, **2010**, 81,	3.3	68
133	Universal collaborative couplings between oxygen-octahedral rotations and antiferroelectric distortions in perovskites. *Physical Review B*, **2013**, 88,	3.3	67
132	Magnetic cycloid of BiFeO3 from atomistic simulations. *Physical Review Letters*, **2012**, 109, 037207	7.4	67
131	Anisotropic chemical pressure effects in single-component molecular metals based on radical dithiolene and diselenolene gold complexes. *Journal of the American Chemical Society*, **2012**, 134, 17138-48	16.4	65
130	Ferroelectric transitions at ferroelectric domain walls found from first principles. *Physical Review Letters*, **2014**, 112, 247603	7.4	63
129	Structural and electronic properties of SrFeO2 from first principles. *Physical Review B*, **2008**, 78,	3.3	63
128	First-principles model potentials for lattice-dynamical studies: general methodology and example of application to ferroic perovskite oxides. *Journal of Physics Condensed Matter*, **2013**, 25, 305401	1.8	60
127	Domain walls in a perovskite oxide with two primary structural order parameters: First-principles study of BiFeO3. *Physical Review B*, **2013**, 87,	3.3	59
126	First-principles study of Ti-doped sodium alanate surfaces. *Applied Physics Letters*, **2005**, 86, 103109	3.4	58
125	Finite-Temperature Properties of Rare-Earth-Substituted BiFeO3 Multiferroic Solid Solutions. *Advanced Functional Materials*, **2015**, 25, 552-558	15.6	55
124	Electric control of the magnetization in BiFeO3/LaFeO3 superlattices. *Physical Review B*, **2013**, 88,	3.3	54
123	Microscopic origins of the large piezoelectricity of leadfree (Ba,Ca)(Zr,Ti)O. *Nature Communications*, **2017**, 8, 15944	17.4	54
122	Ferroelectric domains in multiferroic BiFeO3 films under epitaxial strains. *Physical Review Letters*, **2013**, 110, 187601	7.4	52
121	Prediction of a novel magnetoelectric switching mechanism in multiferroics. *Physical Review Letters* , **2014**, 112, 057202	7.4	51
120	First-principles investigation of the structural phases and enhanced response properties of the BiFeO3-LaFeO3 multiferroic solid solution. *Physical Review B*, **2012**, 85,	3.3	50
119	Prediction of a native ferroelectric metal. *Nature Communications*, **2016**, 7, 11211	17.4	48

118	Pressure-induced structural, electronic, and magnetic effects in BiFeO3. *Physical Review B*, **2009**, 79,	3.3	48
117	First-principles study of the multimode antiferroelectric transition in PbZrO3. *Physical Review B*, **2014**, 90,	3.3	47
116	Atomistic simulations of the incipient ferroelectric KTaO3. *Physical Review B*, **2004**, 70,	3.3	47
115	Insights into the phase diagram of bismuth ferrite from quasiharmonic free-energy calculations. *Physical Review B*, **2013**, 88,	3.3	46
114	Origin of the magnetization and compensation temperature in rare-earth orthoferrites and orthochromates. *Physical Review B*, **2016**, 93,	3.3	43
113	Ab initio design of perovskite alloys with predetermined properties: the case of Pb(Sc(0.5)Nb(0.5))O(3). *Physical Review Letters*, **2001**, 87, 095503	7.4	43
112	Devonshire-Landau free energy of BaTiO3 from first principles. *Physical Review B*, **2001**, 63,	3.3	43
111	Electroresistance effect in ferroelectric tunnel junctions with symmetric electrodes. *ACS Nano*, **2012**, 6, 1473-8	16.7	42
110	Ab initio study of proper topological ferroelectricity in layered perovskite La2Ti2O7. *Physical Review B*, **2011**, 84,	3.3	42
109	Amorphization induced by pressure: results for zeolites and general implications. *Physical Review Letters*, **2006**, 97, 225502	7.4	42
108	Quantitative analysis of the first-principles effective Hamiltonian approach to ferroelectric perovskites. *Physical Review B*, **2003**, 67,	3.3	41
107	Atomistic theory of hybrid improper ferroelectricity in perovskites. *Physical Review B*, **2014**, 89,	3.3	40
106	Multiple strain-induced phase transitions in LaNiO3 thin films. *Physical Review B*, **2016**, 94,	3.3	38
105	Hybrid Improper Ferroelectricity in Multiferroic Superlattices: Finite-Temperature Properties and Electric-Field-Driven Switching of Polarization and Magnetization. *Advanced Functional Materials*, **2015**, 25, 3626-3633	15.6	37
104	Improper electric polarization in simple perovskite oxides with two magnetic sublattices. *Nature Communications*, **2017**, 8, 14025	17.4	36
103	Conductivity and Local Structure of LaNiO Thin Films. *Advanced Materials*, **2017**, 29, 1605197	24	36
102	Stable Metallic State of a Neutral-Radical Single-Component Conductor at Ambient Pressure. *Journal of the American Chemical Society*, **2018**, 140, 6998-7004	16.4	35
101	Deterministic and robust room-temperature exchange coupling in monodomain multiferroic BiFeO heterostructures. *Nature Communications*, **2017**, 8, 1583	17.4	35

100	Ultrafast switching of the electric polarization and magnetic chirality in BiFeO3 by an electric field. *Physical Review Letters*, **2014**, 112, 147601	7.4	34
99	Local negative permittivity and topological phase transition in polar skyrmions. *Nature Materials*, **2021**, 20, 194-201	27	33
98	First-principles simulations on the nature of the melting line of sodium. *Physical Review Letters*, **2007**, 98, 055501	7.4	32
97	Strain engineering magnetic frustration in perovskite oxide thin films. *Physical Review Letters*, **2012** , 109, 247202	7.4	30
96	Cooperative Couplings between Octahedral Rotations and Ferroelectricity in Perovskites and Related Materials. *Physical Review Letters*, **2018**, 120, 197602	7.4	29
95	Multiple structural transitions driven by spin-phonon couplings in a perovskite oxide. *Science Advances*, **2017**, 3, e1700288	14.3	29
94	Rules and mechanisms governing octahedral tilts in perovskites under pressure. *Physical Review B*, **2017**, 96,	3.3	29
93	Theoretical guidelines to create and tune electric skyrmion bubbles. *Science Advances*, **2019**, 5, eaau7023	14.3	27
92	A phononic switch based on ferroelectric domain walls. *Physical Review B*, **2017**, 96,	3.3	25
91	Meta-screening and permanence of polar distortion in metallized ferroelectrics. *Physical Review B*, **2018**, 97,	3.3	24
90	Pressure-Induced Multiferroics via Pseudo Jahn□eller Effects and Novel Couplings. *Advanced Functional Materials*, **2017**, 27, 1604513	15.6	22
89	Optical phonons associated with the low-temperature ferroelectric properties of perovskite solid solutions. *Physical Review B*, **2002**, 65,	3.3	22
88	Ultralow Voltage Manipulation of Ferromagnetism. *Advanced Materials*, **2020**, 32, e2001943	24	21
87	Effects of atomic short-range order on the properties of perovskite alloys in their morphotropic phase boundary. *Physical Review Letters*, **2003**, 91, 045504	7.4	21
86	Ferroelectric domain wall phonon polarizer. *Physical Review Materials*, **2017**, 1,	3.2	21
85	Ferroelectricity with Asymmetric Hysteresis in Metallic LiOsO_{3} Ultrathin Films. *Physical Review Letters*, **2019**, 122, 227601	7.4	20
84	Epitaxial phases of BiMnO3 from first principles. *Physical Review B*, **2015**, 91,	3.3	20
83	Energetics of oxygen-octahedra rotations in perovskite oxides from first principles. *Physical Review B*, **2018**, 97,	3.3	19

82	Improper ferroelectricity at antiferromagnetic domain walls of perovskite oxides. *Physical Review B* , **2017**, 96,	3.3	19
81	Electrical phase diagram of bulk BiFeO3. *Physical Review B*, **2015**, 92,	3.3	19
80	Effects of vacancies on the properties of disordered ferroelectrics: A first-principles study. *Physical Review B*, **2007**, 75,	3.3	19
79	Tuning the Weak Ferromagnetic States in Dysprosium Orthoferrite. *Scientific Reports*, **2016**, 6, 37529	4.9	19
78	First-Principles Study of Ferroelastic Twins in Halide Perovskites. *Journal of Physical Chemistry Letters*, **2019**, 10, 1416-1421	6.4	18
77	Manipulating magnetoelectric energy landscape in multiferroics. *Nature Communications*, **2020**, 11, 2836	17.4	18
76	Single-Component Conductors: A Sturdy Electronic Structure Generated by Bulky Substituents. *Inorganic Chemistry*, **2016**, 55, 6036-46	5.1	18
75	First-principles study of a pressure-induced spin transition in multiferroic Bi2FeCrO6. *Physical Review B*, **2012**, 86,	3.3	18
74	Symmetry breaking at the nanoscale and diffuse transitions in ferroelectrics: A comparative study of PbSc1⁄2Nb1⁄2O3 and PbZr0.6Ti0.4O3. *Physical Review B*, **2006**, 73,	3.3	18
73	Theoretical phase diagram of ultrathin films of incipient ferroelectrics. *Applied Physics Letters*, **2007** , 90, 242918	3.4	18
72	Photoinduced Phase Transitions in Ferroelectrics. *Physical Review Letters*, **2019**, 123, 087601	7.4	17
71	Testing simple predictors for the temperature of a structural phase transition. *Physical Review B*, **2014**, 90,	3.3	17
70	Electric control of the heat flux through electrophononic effects. *Physical Review B*, **2018**, 97,	3.3	17
69	Ab initio study of the factors affecting the ground state of rare-earth nickelates. *Physical Review B*, **2012**, 85,	3.3	16
68	Flat branches and pressure amorphization. *Journal of Non-Crystalline Solids*, **2002**, 307-310, 602-612	3.9	16
67	Self-averaging of random and thermally disordered diluted Ising systems. *Physical Review E*, **1999**, 60, 2394-7	2.4	16
66	Giant direct and inverse electrocaloric effects in multiferroic thin films. *Physical Review B*, **2018**, 98,	3.3	16
65	Efficient systematic scheme to construct second-principles lattice dynamical models. *Physical Review B*, **2017**, 95,	3.3	15

64	Electric-Field Control of Magnetization, Jahn-Teller Distortion, and Orbital Ordering in Ferroelectric Ferromagnets. *Physical Review Letters*, **2019**, 122, 247701	7.4	15
63	Vibrational properties of TiHn complexes adsorbed on carbon nanostructures. *Chemical Physics Letters*, **2007**, 444, 140-144	2.5	15
62	Complex domain walls in BiFeO3. *Physical Review B*, **2015**, 91,	3.3	14
61	Neutral and Charged Oxygen Vacancies Induce Two-Dimensional Electron Gas Near SiO2/BaTiO3 Interfaces. *Journal of Physical Chemistry Letters*, **2013**, 4, 333-7	6.4	14
60	Electrocaloric effects in the lead-free Ba(Zr,Ti)O3 relaxor ferroelectric from atomistic simulations. *Physical Review B*, **2017**, 96,	3.3	14
59	Theoretical investigation of hydrogen storage in metal-intercalated graphitic materials. *Journal of Physics Condensed Matter*, **2008**, 20, 285212	1.8	14
58	Raman Imaging Approach to the Study of Ferroelectric Domains and Raman Spectra of Multiferroic Boracites. *Acta Physica Polonica A*, **2009**, 116, 19-24	0.6	14
57	Fermi resonance involving nonlinear dynamical couplings in Pb(Zr,Ti)O3 solid solutions. *Physical Review Letters*, **2011**, 107, 175502	7.4	13
56	Universality class of thermally diluted ising systems at criticality. *Physical Review E*, **2000**, 62, 191-6	2.4	13
55	Interplay between elasticity, ferroelectricity and magnetism at the domain walls of bismuth ferrite. *Physica Status Solidi - Rapid Research Letters*, **2016**, 10, 209-217	2.5	13
54	Giant electrocaloric response in the prototypical Pb(Mg,Nb)O3 relaxor ferroelectric from atomistic simulations. *Physical Review B*, **2018**, 97,	3.3	12
53	Tailoring properties of hybrid perovskites by domain-width engineering with charged walls. *Npj Computational Materials*, **2018**, 4,	10.9	12
52	Elucidation of crystal and electronic structures within highly strained BiFeO by transmission electron microscopy and first-principles simulation. *Scientific Reports*, **2017**, 7, 46498	4.9	11
51	Probing Antiferroelectric-Ferroelectric Phase Transitions in PbZrO3 Capacitors by Piezoresponse Force Microscopy. *Advanced Functional Materials*, **2020**, 30, 2003622	15.6	11
50	Atomistic mechanism leading to complex antiferroelectric and incommensurate perovskites. *Physical Review B*, **2016**, 94,	3.3	10
49	THERMALLY DILUTED ISING SYSTEMS. *Fractals*, **2003**, 11, 53-65	3.2	10
48	Optimized local modes for lattice-dynamical applications. *Physical Review B*, **2000**, 61, 3127-3130	3.3	10
47	A key piece of the ferroelectric hafnia puzzle. *Science*, **2020**, 369, 1300-1301	33.3	10

46	Archetypal Soft-Mode-Driven Antipolar Transition in Francisite Cu_{3}Bi(SeO_{3})_{2}O_{2}Cl. *Physical Review Letters*, **2020**, 124, 097603	7.4	9
45	Phase diagram of BiFeO3/LaFeO3 superlattices studied by x-ray diffraction experiments and first-principles calculations. *Physical Review B*, **2014**, 90,	3.3	9
44	Thermal conductivity changes across a structural phase transition: The case of high-pressure silica. *Physical Review B*, **2017**, 96,	3.3	9
43	Phonons and magnetoelectric interactions in Ni3V2O8. *Journal of Physics Condensed Matter*, **2008**, 20, 434214	1.8	9
42	Strain engineering of ZnO thermal conductivity. *Physical Review Materials*, **2019**, 3,	3.2	9
41	Hydrogen-related catalytic effects of Ti and other light transition metals on NaAlH(4) surfaces. *Journal of Physics Condensed Matter*, **2007**, 19, 176007	1.8	8
40	Unusual structural tuning of magnetism in cuprate perovskites. *Physical Review B*, **2005**, 71,	3.3	8
39	Effect of Dopant Ordering on the Stability of Ferroelectric Hafnia. *Physica Status Solidi - Rapid Research Letters*, **2020**, 14, 2000047	2.5	7
38	Anomalous properties of antiferroelectric PbZrO3 under hydrostatic pressure. *Physical Review B*, **2014**, 89,	3.3	7
37	Polymorphism in Bi-based perovskite oxides: A first-principles study. *Physical Review Materials*, **2018**, 2,	3.2	7
36	Theoretical investigation of lattice thermal conductivity and electrophononic effects in SrTiO3. *Physical Review Materials*, **2019**, 3,	3.2	7
35	Quantum-fluctuation-stabilized orthorhombic ferroelectric ground state in lead-free piezoelectric (Ba,Ca)(Zr,Ti)O3. *Physical Review B*, **2018**, 98,	3.3	7
34	Multiferroic Bi2NiMnO6 thin films: A computational prediction. *Physical Review B*, **2017**, 95,	3.3	6
33	Temperature-dependent classical phonons from efficient nondynamical simulations. *Physical Review Letters*, **2013**, 110, 105503	7.4	6
32	An efficient computational method for use in structural studies of crystals with substitutional disorder. *Journal of Physics Condensed Matter*, **2010**, 22, 415401	1.8	6
31	Analysis of soft optical modes in hexagonal BaTiO3: transference of perovskite local distortions. *Journal of Physics Condensed Matter*, **2000**, 12, L387-L391	1.8	6
30	Wake-up Free Ferroelectric Rhombohedral Phase in Epitaxially Strained ZrO Thin Films. *ACS Applied Materials & Interfaces*, **2021**, 13, 51383-51392	9.5	6
29	The role of lattice dynamics in ferroelectric switching.. *Nature Communications*, **2022**, 13, 1110	17.4	6

28	Vibrational properties of LaNiO3 films in the ultrathin regime. *APL Materials*, **2020**, 8, 061102	5.7	5
27	Giant Electrophononic Response in PbTiO_{3} by Strain Engineering. *Physical Review Letters*, **2019**, 123, 185901	7.4	5
26	Magnetoelectric signature in the magnetic properties of antiferromagnetic multiferroics: Atomistic simulations and phenomenology. *Physical Review B*, **2013**, 88,	3.3	5
25	Magnetoelectric effects via pentalinear interactions. *Physical Review B*, **2015**, 92,	3.3	5
24	High-pressure structural change in the ferroelectric layered perovskite Sr2Nb2O7. *Physical Review B*, **2019**, 100,	3.3	4
23	Pressure amorphization through displacive disorder. *European Physical Journal E*, **2002**, 9, 239-43	1.5	4
22	Piezoelectricity in hafnia.. *Nature Communications*, **2021**, 12, 7301	17.4	4
21	Novel type of ferroelectricity in brownmillerite structures: A first-principles study. *Physical Review Materials*, **2018**, 2,	3.2	4
20	Structural and magnetic transitions accompanied by large responses in epitaxial Sr0.5Ba0.5MnO3 films. *Physical Review Materials*, **2018**, 2,	3.2	4
19	A three-order-parameter bistable magnetoelectric multiferroic metal. *Nature Communications*, **2020**, 11, 4922	17.4	4
18	Strategy to utilize transmission electron microscopy and X-ray diffraction to investigate biaxial strain effect in epitaxial BiFeO3 films. *Japanese Journal of Applied Physics*, **2018**, 57, 0902A5	1.4	4
17	Exploiting interfacial and size effects to construct oxide superlattices with robust and tunable magnetoelectric properties at room temperature. *Physical Review B*, **2015**, 91,	3.3	3
16	Phonons in the cubic phase of Co3B7O13X (X=Cl, Br, and I) boracites. *Physical Review B*, **2009**, 79,	3.3	3
15	Anisotropy-driven thermal conductivity switching and thermal hysteresis in a ferroelectric. *Applied Physics Letters*, **2019**, 115, 192903	3.4	3
14	Creating multiferroic and conductive domain walls in common ferroelastic compounds. *Npj Computational Materials*, **2019**, 5,	10.9	2
13	First-principles study of the structural instabilities in hexagonal barium titanate: Coupling between the soft optical and the acoustic Modes. *Ferroelectrics*, **2000**, 237, 25-32	0.6	2
12	Giant Thermal Transport Tuning at a Metal/Ferroelectric Interface. *Advanced Materials*, **2021**, e2105778	24	2
11	Magnetic phase diagram of rare-earth orthorhombic perovskite oxides. *Physical Review B*, **2021**, 104,	3.3	2

List of Publications

10	Modelling of carbon-based materials for hydrogen storage **2008**, 205-220		1
9	Antiferroelectricity in a family of pyroxene-like oxides with rich polymorphism. *Communications Materials*, **2020**, 1,	6	1
8	Deterministic control of ferroelectric polarization by ultrafast laser pulses.. *Nature Communications*, **2022**, 13, 2566	17.4	1
7	Energetic Couplings in Ferroics. *Advanced Electronic Materials*,2100639	6.4	0
6	Structural and Raman study of the thermoelectric solid solution Sr 1.9 La 0.1 Nb 2 O 7. *Journal of Raman Spectroscopy*, **2021**, 52, 737-749	2.3	0
5	Chiral structures of electric polarization vectors quantified by X-ray resonant scattering.. *Nature Communications*, **2022**, 13, 1769	17.4	0
4	E-MRS Fall Meeting, Technical University of Warsaw, September 2014, Symposium Functional Perovskite Systems*Phase Transitions*, **2015**, 88, 951-952	1.3	
3	Probing Strain-Induced Phenomena in Low Dimensionality Multiferroic Oxides. *Microscopy and Microanalysis*, **2017**, 23, 1726-1727	0.5	
2	Nanosession: Interplay Between Strain and Electronic Structure in Metal Oxides377-387		
1	Valence states of new Mn coordination sites at the ferromagnetic domain walls of TbMnO3 thin films **2016**, 750-751		