

# Manfred Fiebig

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9574327/manfred-fiebig-publications-by-year.pdf>

**Version:** 2024-04-27

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.

159  
papers

15,909  
citations

47  
h-index

125  
g-index

169  
ext. papers

17,738  
ext. citations

10  
avg, IF

7.18  
L-index

#	Paper	IF	Citations
159	Signatures of enhanced out-of-plane polarization in asymmetric BaTiO superlattices integrated on silicon.. <i>Nature Communications</i> , <b>2022</b> , 13, 265	17.4	1
158	Emerging spin-phonon coupling through cross-talk of two magnetic sublattices.. <i>Nature Communications</i> , <b>2022</b> , 13, 443	17.4	2
157	Writing of strain-controlled multiferroic ribbons into MnWO. <i>Nature Communications</i> , <b>2021</b> , 12, 6199	17.4	0
156	Training the Polarization in Integrated La Bi FeO -Based Devices. <i>Advanced Materials</i> , <b>2021</b> , e2104688	24	1
155	Coexistence of Bloch and Néel walls in a collinear antiferromagnet. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	9
154	Inversion-Symmetry Engineering in Layered Oxide Thin Films. <i>Nano Letters</i> , <b>2021</b> , 21, 2780-2785	11.5	6
153	Origin of Terahertz Soft-Mode Nonlinearities in Ferroelectric Perovskites. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	3
152	Nonreciprocal second harmonic generation in a magnetoelectric material. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	4
151	Interconversion of multiferroic domains and domain walls. <i>Nature Communications</i> , <b>2021</b> , 12, 2755	17.4	5
150	Magnetoelectric coupling of domains, domain walls and vortices in a multiferroic with independent magnetic and electric order. <i>Nature Communications</i> , <b>2021</b> , 12, 3093	17.4	5
149	Birefringence of orthorhombic DyScO <sub>3</sub> : Toward a terahertz quarter-wave plate. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 223506	3.4	1
148	Stabilization and manipulation of in-plane polarization in a ferroelectric dielectric superlattice. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 174104	2.5	0
147	Giant conductivity of mobile non-oxide domain walls. <i>Nature Communications</i> , <b>2021</b> , 12, 3975	17.4	4
146	Local electric-field control of multiferroic spin-spiral domains in TbMnO <sub>3</sub> . <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	3
145	Robust In-Plane Ferroelectricity in Ultrathin Epitaxial Aurivillius Films. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000202	4.6	15
144	Seeing is believing: visualization of antiferromagnetic domains. <i>Npj Quantum Materials</i> , <b>2020</b> , 5,	5	33
143	Ferroelectric domain architecture and poling of BaTiO <sub>3</sub> on Si. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	10

142	Epitaxial integration of improper ferroelectric hexagonal YMnO <sub>3</sub> thin films in heterostructures. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	5
141	Terahertz conductivity of heavy-fermion systems from time-resolved spectroscopy. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	1
140	Two-dimensional spectroscopy on a THz quantum cascade structure. <i>Nanophotonics</i> , <b>2020</b> , 10, 171-180	6.3	5
139	Local control of improper ferroelectric domains in YMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	5
138	Tracking ferroelectric domain formation during epitaxial growth of PbTiO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 132901	3.4	13
137	Efficient spin excitation via ultrafast damping-like torques in antiferromagnets. <i>Nature Communications</i> , <b>2020</b> , 11, 6142	17.4	2
136	In-situ monitoring of interface proximity effects in ultrathin ferroelectrics. <i>Nature Communications</i> , <b>2020</b> , 11, 5815	17.4	11
135	Interface and surface stabilization of the polarization in ferroelectric thin films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28589-28595	11.5	15
134	Relation between microscopic interactions and macroscopic properties in ferroics. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 896-900	28.7	6
133	Reverse and forward engineering of Drosophila corneal nanocoatings. <i>Nature</i> , <b>2020</b> , 585, 383-389	50.4	14
132	Tracking the ultrafast motion of an antiferromagnetic order parameter. <i>Nature Communications</i> , <b>2019</b> , 10, 3995	17.4	18
131	Depolarizing-Field Effects in Epitaxial Capacitor Heterostructures. <i>Physical Review Letters</i> , <b>2019</b> , 123, 147601	7.4	19
130	Current-induced switching of YIG/Pt bilayers with in-plane magnetization due to Oersted fields. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 172404	3.4	6
129	Fermi Volume Evolution and Crystal-Field Excitations in Heavy-Fermion Compounds Probed by Time-Domain Terahertz Spectroscopy. <i>Physical Review Letters</i> , <b>2019</b> , 122, 096401	7.4	8
128	Observation of Uncompensated Bound Charges at Improper Ferroelectric Domain Walls. <i>Nano Letters</i> , <b>2019</b> , 19, 1659-1664	11.5	21
127	High-speed domain wall racetracks in a magnetic insulator. <i>Nature Communications</i> , <b>2019</b> , 10, 4750	17.4	68
126	Enhanced Nonlinear Yield from Barium Titanate Metasurface Down to the Near Ultraviolet. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900936	8.1	13
125	Microdisplays as a versatile tool for the optical simulation of crystal diffraction in the classroom. <i>Journal of Applied Crystallography</i> , <b>2019</b> , 52, 457-462	3.8	4

124	The ultrathin limit of improper ferroelectricity. <i>Nature Communications</i> , <b>2019</b> , 10, 5591	17.4	24
123	Accelerated Ionic Motion in Amorphous Memristor Oxides for Nonvolatile Memories and Neuromorphic Computing. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1804782	15.6	29
122	Search for the Magnetic Monopole at a Magnetoelectric Surface. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	11
121	Poling of an artificial magneto-toroidal crystal. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 141-144	28.7	19
120	Antiferromagnetic opto-spintronics. <i>Nature Physics</i> , <b>2018</b> , 14, 229-241	16.2	190
119	Time-resolved collapse and revival of the Kondo state near a quantum phase transition. <i>Nature Physics</i> , <b>2018</b> , 14, 1103-1107	16.2	9
118	Probing Ferroic States in Oxide Thin Films Using Optical Second Harmonic Generation. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 570	2.6	32
117	Frequency dependent polarisation switching in h-ErMnO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2018</b> , 112, 182908	3.4	20
116	Magnetoelectric inversion of domain patterns. <i>Nature</i> , <b>2018</b> , 560, 466-470	50.4	19
115	Symmetry and magnetism allied. <i>Nature Materials</i> , <b>2018</b> , 17, 567-568	27	2
114	Domain-Pattern Transfer across an Artificial Magnetoelectric Interface. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	12
113	Electrical half-wave rectification at ferroelectric domain walls. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 1028-1034	13.7	57
112	Microstructure and ferroelectricity of BaTiO thin films on Si for integrated photonics. <i>Nanotechnology</i> , <b>2017</b> , 28, 075706	3.4	53
111	Conductivity Contrast and Tunneling Charge Transport in the Vortexlike Ferroelectric Domain Patterns of Multiferroic Hexagonal YMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2017</b> , 118, 036803	7.4	31
110	Domain Wall Architecture in Tetragonal Ferroelectric Thin Films. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605145	24	46
109	Global Formation of Topological Defects in the Multiferroic Hexagonal Manganites. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	30
108	Antireflective nanocoatings for UV-sensation: the case of predatory owlfly insects. <i>Journal of Nanobiotechnology</i> , <b>2017</b> , 15, 52	9.4	12
107	Alternative moth-eye nanostructures: antireflective properties and composition of dimpled corneal nanocoatings in silk-moth ancestors. <i>Journal of Nanobiotechnology</i> , <b>2017</b> , 15, 61	9.4	12

106	Nanoscale design of polarization in ultrathin ferroelectric heterostructures. <i>Nature Communications</i> , <b>2017</b> , 8, 1419	17.4	55
105	Ultrafast optical excitation of coherent magnons in antiferromagnetic NiO. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	45
104	Magnetoelectric Force Microscopy on Antiferromagnetic 180 Domains in Cr <sub>2</sub> O <sub>3</sub> . <i>Materials</i> , <b>2017</b> , 10,	3.5	11
103	Reversible optical switching of antiferromagnetism in TbMnO <sub>3</sub> . <i>Nature Photonics</i> , <b>2016</b> , 10, 653-656	33.9	57
102	The evolution of multiferroics. <i>Nature Reviews Materials</i> , <b>2016</b> , 1,	73.3	624
101	Terahertz-Driven Nonlinear Spin Response of Antiferromagnetic Nickel Oxide. <i>Physical Review Letters</i> , <b>2016</b> , 117, 197201	7.4	70
100	Optimization of Electronic Domain-Wall Properties by Aliovalent Cation Substitution. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500195	6.4	29
99	Polarization control at spin-driven ferroelectric domain walls. <i>Nature Communications</i> , <b>2015</b> , 6, 6661	17.4	25
98	Ferroelectricity in the multiferroic hexagonal manganites. <i>Nature Physics</i> , <b>2015</b> , 11, 1070-1073	16.2	100
97	Optical second harmonic imaging as a diagnostic tool for monitoring epitaxial oxide thin-film growth. <i>Applied Surface Science</i> , <b>2015</b> , 327, 413-417	6.7	11
96	Writing and reading of an arbitrary optical polarization state in an antiferromagnet. <i>Nature Photonics</i> , <b>2015</b> , 9, 25-29	33.9	58
95	Magnetically driven second-harmonic generation with phase matching in MnWO <sub>4</sub> . <i>Optics Express</i> , <b>2015</b> , 23, 27700-6	3.3	4
94	Primary ferrotoroidicity in antiferromagnets. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	30
93	Magnetoresistance of heavy and light metal/ferromagnet bilayers. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 192405	3.4	52
92	Probing Ferroelectric Domain Engineering in BiFeO <sub>3</sub> Thin Films by Second Harmonic Generation. <i>Advanced Materials</i> , <b>2015</b> , 27, 4871-6	24	52
91	Multiferroics. Magnetoelectric domain control in multiferroic TbMnO <sub>3</sub> . <i>Science</i> , <b>2015</b> , 348, 1112-5	33.3	83
90	Strain-induced coupling of electrical polarization and structural defects in SrMnO <sub>3</sub> films. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 661-5	28.7	119
89	Combinatorial model for the ferroelectric domain-network formation in hexagonal manganites. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	9

88	Ferroic nature of magnetic toroidal order. <i>Nature Communications</i> , <b>2014</b> , 5, 4796	17.4	66
87	Functional ferroic heterostructures with tunable integral symmetry. <i>Nature Communications</i> , <b>2014</b> , 5, 4295	17.4	12
86	Structural invariance upon antiferromagnetic ordering in geometrically frustrated swedenborgite, CaBaCo <sub>2</sub> Fe <sub>2</sub> O <sub>7</sub> . <i>Journal of Applied Crystallography</i> , <b>2014</b> , 47, 2038-2047	3.8	8
85	Optical Second Harmonic Generation as a Tool for In Situ, Real-Time Monitor of Thin Film Epitaxial Growth. <i>Key Engineering Materials</i> , <b>2014</b> , 605, 223-226	0.4	
84	Translation domains in multiferroics. <i>Phase Transitions</i> , <b>2013</b> , 86, 33-52	1.3	15
83	Piezoresponse force microscopy at sub-room temperatures. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 043703	1.7	6
82	Antiferromagnetic order in Li(Ni <sub>1-x</sub> Fex)PO <sub>4</sub> (x = 0.06, 0.20). <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	1
81	Mutual induction of magnetic 3d and 4f order in multiferroic hexagonal ErMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	30
80	Second Harmonic Generation Spectroscopy and Domain Imaging of the High-Temperature Multiferroic CuO. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 124714	1.5	7
79	Scaling Behavior and Beyond Equilibrium in the Hexagonal Manganites. <i>Physical Review X</i> , <b>2012</b> , 2,	9.1	88
78	Anisotropic conductance at improper ferroelectric domain walls. <i>Nature Materials</i> , <b>2012</b> , 11, 284-8	27	347
77	First-order multi-k phase transitions and magnetoelectric effects in multiferroic Co <sub>3</sub> TeO <sub>6</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	14
76	Observation of persistent centrosymmetry in the hexagonal manganite family. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	50
75	Spatial inhomogeneities at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface: Evidence from second harmonic generation. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	20
74	Independent ferroelectric contributions and rare-earth-induced polarization reversal in multiferroic TbMn <sub>2</sub> O <sub>5</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	12
73	Coherent terahertz control of antiferromagnetic spin waves. <i>Nature Photonics</i> , <b>2011</b> , 5, 31-34	33.9	578
72	Theory of high-temperature multiferroicity in cupric oxide. <i>Physical Review Letters</i> , <b>2011</b> , 106, 257601	7.4	38
71	Investigation of the nonlinear optical properties of metamaterials by second harmonic generation. <i>Applied Physics B: Lasers and Optics</i> , <b>2011</b> , 105, 149-162	1.9	26

70	Complex magnetism and magnetic-field-driven electrical polarization of Co <sub>3</sub> TeO <sub>6</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	40
69	Time-resolved imaging of magnetoelectric switching in multiferroic MnWO <sub>4</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	35
68	Incompatible magnetic order in multiferroic hexagonal DyMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	23
67	Spin oscillations in antiferromagnetic NiO triggered by circularly polarized light. <i>Physical Review Letters</i> , <b>2010</b> , 105, 077402	7-4	173
66	Electrostatic topology of ferroelectric domains in YMnO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2010</b> , 97, 012904	3-4	102
65	Symmetry replication and toroidic effects in the multiferroic pyroxene NaFeSi <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	21
64	Second harmonic generation on incommensurate structures: The case of multiferroic MnWO <sub>4</sub> . <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	19
63	Second-harmonic near-field imaging of ferroelectric domain structure of YMnO <sub>3</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	49
62	Nanodomains in multiferroic hexagonal RMnO <sub>3</sub> films (R=Y,Dy,Ho,Er). <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	28
61	Observation and coupling of domains in a spin-spiral multiferroic. <i>Physical Review Letters</i> , <b>2009</b> , 102, 107202	7-4	75
60	Topology and manipulation of multiferroic hybrid domains in MnWO <sub>4</sub> . <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	24
59	Anisotropy of antiferromagnetic 180° domains in magnetoelectric LiMPO <sub>4</sub> (M = Fe, Co, Ni). <i>European Physical Journal B</i> , <b>2009</b> , 71, 355-360	1-2	22
58	Current trends of the magnetoelectric effect. <i>European Physical Journal B</i> , <b>2009</b> , 71, 293-297	1-2	55
57	Giant coupling of second-harmonic generation to a multiferroic polarization. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	40
56	The toroidal moment in condensed-matter physics and its relation to the magnetoelectric effect. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 434203	1-8	265
55	Ultrafast magnetization dynamics of antiferromagnetic compounds. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 164005	3	56
54	Anisotropy of antiferromagnetic 180 degrees domains in LiCoPO <sub>4</sub> and LiNiPO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 101, 157202	7-4	15
53	Magnetische Wirbel in Festkörpern. <i>Physik in Unserer Zeit</i> , <b>2008</b> , 39, 8-8	0-1	

52	Time-resolved demagnetization in by phase-sensitive second harmonic generation. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1604-1606	2.8	4
51	Observation of ferrotoroidic domains. <i>Nature</i> , <b>2007</b> , 449, 702-5	50.4	268
50	Ultrafast spin and lattice dynamics in antiferromagnetic Cr2O3. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	30
49	Ultrafast and magnetoelectric phase transitions in antiferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e264-e269	2.8	2
48	Magnetoelectric phase control in multiferroic manganites. <i>Phase Transitions</i> , <b>2006</b> , 79, 947-956	1.3	14
47	Materials science. The renaissance of magnetoelectric multiferroics. <i>Science</i> , <b>2005</b> , 309, 391-2	33.3	2287
46	Second-harmonic generation as a tool for studying electronic and magnetic structures of crystals: review. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2005</b> , 22, 96	1.7	309
45	Revival of the magnetoelectric effect. <i>Journal Physics D: Applied Physics</i> , <b>2005</b> , 38, R123-R152	3	4061
44	Detection of spin and charge states in centrosymmetric materials by nonlinear optics. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10A914	2.5	4
43	Magnetic phase control by an electric field. <i>Nature</i> , <b>2004</b> , 430, 541-4	50.4	836
42	Resonance-enhanced two-photon sum-frequency generation in NiO and KNiF3. <i>Applied Physics B: Lasers and Optics</i> , <b>2004</b> , 79, 701-706	1.9	4
41	Impact of Ferroelectric Ordering on Optical and Magnetic Properties of Hexagonal Manganites. <i>Ferroelectrics</i> , <b>2004</b> , 303, 113-118	0.6	
40	Ultrafast manipulation of antiferromagnetism of NiO. <i>Physical Review Letters</i> , <b>2004</b> , 93, 117402	7.4	85
39	Magnetoelectric behavior of domain walls in multiferroic HoMnO3. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	106
38	Magnetic-field induced second harmonic generation in CuB2O4. <i>Physical Review Letters</i> , <b>2004</b> , 93, 037204	7.4	56
37	Phase-resolved second-harmonic imaging with nonideal laser sources. <i>Optics Letters</i> , <b>2004</b> , 29, 41-3	3	19
36	Optical harmonic generation in magnetic garnet epitaxial films near the fundamental absorption edge. <i>Physics of the Solid State</i> , <b>2003</b> , 45, 662-669	0.8	5
35	Magnetic second harmonic generation in centrosymmetric CoO, NiO, and KNiF3. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6900-6902	2.5	13

34	Spin-rotation phenomena and magnetic phase diagrams of hexagonal RMnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 8194-8196	2.5	124
33	Magnetic phase diagram of CuB <sub>2</sub> O <sub>4</sub> . <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6960-6962	2.5	12
32	Structure and interaction of antiferromagnetic domain walls in hexagonal YMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2003</b> , 90, 177204	7.4	88
31	Phase transitions of MnO <sub>3</sub> compounds revealed by nonlinear magneto-optics. <i>Applied Physics B: Lasers and Optics</i> , <b>2002</b> , 74, 749-758	1.9	4
30	Coupling of ferroelectric and antiferromagnetic order parameters in hexagonal RMnO <sub>3</sub> . <i>Applied Physics B: Lasers and Optics</i> , <b>2002</b> , 74, 759-764	1.9	5
29	Observation of coupled magnetic and electric domains. <i>Nature</i> , <b>2002</b> , 419, 818-20	50.4	1268
28	Interaction of frustrated magnetic sublattices in ErMnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2002</b> , 88, 027203	7.4	66
27	Probing of ferroelectric surface and bulk domains in RMnO <sub>3</sub> (R=Y, Ho) by second harmonic generation. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	52
26	Nonlinear magneto-optical properties of Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> and Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7505	2.5	1
25	Symmetry and coupling of magnetic and electric order parameters in YMnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8251	2.5	5
24	Nonlinear optical spectroscopy of epitaxial magnetic garnet films. <i>Low Temperature Physics</i> , <b>2002</b> , 28, 523-527	0.7	8
23	Magnetoelectric Phenomena in Nonlinear Optics. <i>Ferroelectrics</i> , <b>2002</b> , 279, 93-109	0.6	4
22	Magnetic phase diagram of HoMnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8867	2.5	52
21	Nonlinear optical spectroscopy of electronic transitions in hexagonal manganites. <i>Applied Physics B: Lasers and Optics</i> , <b>2001</b> , 73, 139-144	1.9	53
20	Nonlinear magneto-optical properties of colossal magnetoresistive manganites. <i>Physical Review Letters</i> , <b>2001</b> , 86, 6002-5	7.4	12
19	Second harmonic generation in the centrosymmetric antiferromagnet NiO. <i>Physical Review Letters</i> , <b>2001</b> , 87, 137202	7.4	100
18	Sub-picosecond photo-induced melting of a charge-ordered state in a perovskite manganite. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 71, 211-215	1.9	75
17	Spin-angle topography of hexagonal manganites by magnetic second-harmonic generation. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 4401-4403	3.4	17

16	Determination of the magnetic symmetry of hexagonal manganites by second harmonic generation. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5620-3	7.4	272
15	Visualization and switching of the local insulator-metal transition in Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 5561-5563	2.5	7
14	Action spectra of the two-stage photoinduced insulator-metal transition in Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 7944-7949	3.3	21
13	Reflection spectroscopy on the photoinduced local metallic phase of Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2310-2312	3.4	30
12	Topography of antiferromagnetic domains using second harmonic generation with an external reference. <i>Applied Physics B: Lasers and Optics</i> , <b>1998</b> , 66, 265-270	1.9	42
11	Visualization of the local insulator-metal transition in Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Science</i> , <b>1998</b> , 280, 1925-8	33.3	319
10	Second harmonic spectroscopy and control of domain size in antiferromagnetic YMnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 6560-6562	2.5	28
9	Interference of second harmonics due to electric and magnetic dipoles in antiferromagnetic Cr <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>1998</b> , 58, 8654-8666	3.3	22
8	Nonlinear optical spectroscopy of magnetoelectric and piezomagnetic crystals. <i>Ferroelectrics</i> , <b>1997</b> , 204, 1-21	0.6	20
7	Nonlinear spectroscopy of antiferromagnetic Cr <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 4875-4877	2.5	8
6	Determination of spin direction in the spin-flop phase of Cr <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, R12681-R12684	3.3	47
5	Antiferromagnetische Domänen sichtbar gemacht. <i>Physik Journal</i> , <b>1996</b> , 52, 454-455		
4	Domain topography of antiferromagnetic Cr <sub>2</sub> O <sub>3</sub> by second-harmonic generation. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 2906-2908	3.4	89
3	Second harmonic generation and magnetic-dipole-electric-dipole interference in antiferromagnetic Cr <sub>2</sub> O <sub>3</sub> . <i>Physical Review Letters</i> , <b>1994</b> , 73, 2127-2130	7.4	170
2	Multiphoton Polariton Spectroscopy on ZnO. <i>Physica Status Solidi (B): Basic Research</i> , <b>1993</b> , 177, 187-199	1.3	26
1	Asymmetric Character of the Ferroelectric Phase Transition and Charged Domain Walls in a Hybrid Improper Ferroelectric. <i>Advanced Electronic Materials</i> , <b>2010</b> , 4, 434	6.4	1