

Theo Rasing

List of Publications by Year in descending order

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487
papers

22,842
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10389

72
h-index

11607

135
g-index

505
all docs

505
docs citations

505
times ranked

13340
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient All-Optical Helicity Dependent Switching of Spins in a Pt/Co/Pt Film by a Dual-Pulse Excitation. <i>Frontiers in Nanotechnology</i> , 2022, 4, .	4.8	11
2	Ferrimagnetic spintronics. <i>Nature Materials</i> , 2022, 21, 24-34.	27.5	129
3	Solvent induced enhancement of nonlinear optical response of graphdiyne. <i>Chinese Chemical Letters</i> , 2021, 32, 525-528.	9.0	21
4	Ultrafast demagnetization in a ferrimagnet under electromagnetic field funneling. <i>Nanoscale</i> , 2021, 13, 19367-19375.	5.6	12
5	Fully Controllable Structural Phase Transition in Thermomechanical Molecular Crystals with a Very Small Thermal Hysteresis. <i>Small</i> , 2021, 17, e2006757.	10.0	12
6	Nonlinear Optical Properties and Applications of Fluorenone Molecular Materials. <i>Advanced Optical Materials</i> , 2021, 9, 2100327.	7.3	56
7	Halide Perovskites for Nonlinear Optics. <i>Advanced Materials</i> , 2020, 32, e1806736.	21.0	210
8	Resonant Pumping of d Crystal Field Electronic Transitions as a Mechanism of Ultrafast Optical Control of the Exchange Interactions in Iron Oxides. <i>Physical Review Letters</i> , 2020, 125, 157201.	7.8	33
9	Femtosecond photocurrents at the FeRh/Pt interface. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	13
10	Robust thermoelastic microactuator based on an organic molecular crystal. <i>Nature Communications</i> , 2019, 10, 4573.	12.8	48
11	Terahertz Optomagnetism: Nonlinear THz Excitation of GHz Spin Waves in Antiferromagnetic FeBO_3 . <i>Physical Review Letters</i> , 2019, 123, 157202.	7.8	33
12	Supervised learning of an opto-magnetic neural network with ultrashort laser pulses. <i>Applied Physics Letters</i> , 2019, 114, 192407.	3.3	15
13	Polymorph dependent linear and nonlinear optical properties of naphthalenyl functionalized fluorenones. <i>Dyes and Pigments</i> , 2019, 166, 272-282.	3.7	16
14	Integration of Tb/Co multilayers within optically switchable perpendicular magnetic tunnel junctions. <i>AIP Advances</i> , 2019, 9, .	1.3	36
15	Solvent dependent linear and nonlinear optical properties of triphenylamine unit incorporated difluoroboron β^2 -diketonate complexes. <i>Dyes and Pigments</i> , 2019, 162, 776-785.	3.7	26
16	Anomalously Damped Heat-Assisted Route for Precessional Magnetization Reversal in an Iron Garnet. <i>Physical Review Letters</i> , 2019, 122, 027202.	7.8	43
17	Enhanced Second Harmonic Generation from Ferroelectric HfO_2 -Based Hybrid Metasurfaces. <i>ACS Nano</i> , 2019, 13, 1213-1222.	14.6	29
18	Terahertz Magnon-Polaritons in TmFeO_3 . <i>ACS Photonics</i> , 2018, 5, 1375-1380.	6.6	58

#	ARTICLE	IF	CITATIONS
19	Laser induced THz emission from femtosecond photocurrents in Co/ZnO/Pt and Co/Cu/Pt multilayers. Journal Physics D: Applied Physics, 2018, 51, 134001.	2.8	36
20	THz Generation and Detection by Fluorenone Based Organic Crystals. ACS Photonics, 2018, 5, 671-677.	6.6	42
21	Frequency and wavenumber selective excitation of spin waves through coherent energy transfer from elastic waves. Physical Review B, 2018, 97, .	3.2	42
22	Functionalized twistacenes for solid state nonlinear optical materials. Dyes and Pigments, 2018, 149, 876-881.	3.7	13
23	Strong optical nonlinearities of self-assembled polymorphic microstructures of phenylethynyl functionalized fluorenones. Chinese Chemical Letters, 2018, 29, 297-300.	9.0	25
24	Wavelength dependent nonlinear optical response of tetraphenylethene aggregation-induced emission luminogens. Materials Chemistry Frontiers, 2018, 2, 2263-2271.	5.9	36
25	All-optical helicity-dependent magnetic switching by first-order azimuthally polarized vortex beams. Applied Physics Letters, 2018, 113, 171108.	3.3	17
26	Chiral Lead Halide Perovskite Nanowires for Second-Order Nonlinear Optics. Nano Letters, 2018, 18, 5411-5417.	9.1	212
27	Towards massively parallelized all-optical magnetic recording. Journal of Applied Physics, 2018, 123, .	2.5	19
28	Femtosecond optomagnetism in dielectric antiferromagnets. Physica Scripta, 2017, 92, 024002.	2.5	32
29	Selective Excitation of Terahertz Magnetic and Electric Dipoles in ErFeO_3 by Femtosecond Laser Pulses in ErFeO_3 . Physical Review Letters, 2017, 118, 017205.	7.8	32
30	Spin-photo-currents generated by femtosecond laser pulses in a ferrimagnetic GdFeCo/Pt bilayer. Applied Physics Letters, 2017, 110, .	3.3	40
31	Effect of laser pulse propagation on ultrafast magnetization dynamics in a birefringent medium. Journal of Physics Condensed Matter, 2017, 29, 164004.	1.8	11
32	All-optical observation and reconstruction of spin wave dispersion. Nature Communications, 2017, 8, 15859.	12.8	80
33	Ultrafast Magnetism of a Ferrimagnet across the Spin-Flop Transition in High Magnetic Fields. Physical Review Letters, 2017, 118, 117203.	7.8	58
34	Sub-100-ps dynamics of the anomalous Hall effect at terahertz frequencies. Physical Review B, 2017, 95, .	3.2	13
35	THz Emission Spectroscopy for THz Spintronics. Journal of the Physical Society of Japan, 2017, 86, 011009.	1.6	25
36	Generation of single skyrmions by picosecond magnetic field pulses. Physical Review B, 2017, 96, .	3.2	30

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37	Controlling the Growth of Molecular Crystal Aggregates with Distinct Linear and Nonlinear Optical Properties. ACS Applied Materials & Interfaces, 2017, 9, 30862-30871.	8.0	13
38	Nonlinear effects in the propagation of optically generated magnetostatic volume mode spin waves. Physical Review B, 2017, 96, .	3.2	3
39	Magnon-magnon interactions in a room-temperature magnonic Bose-Einstein condensate. Physical Review B, 2017, 96, .	3.2	28
40	Multiscale dynamics of helicity-dependent all-optical magnetization reversal in ferromagnetic Co/Pt multilayers. Physical Review B, 2017, 96, .	3.2	61
41	Femtosecond single-shot imaging and control of a laser-induced first-order phase transition in HoFeO ₃ . Journal of Physics Condensed Matter, 2017, 29, 224003.	1.8	9
42	Publisher's Note: Multiscale dynamics of helicity-dependent all-optical magnetization reversal in ferromagnetic Co/Pt multilayers [Phys. Rev. B 96, 224421 (2017)]. Physical Review B, 2017, 96, .	3.2	3
43	Colossal magneto-optical modulation at terahertz frequencies by counterpropagating femtosecond laser pulses in Tb ₃ Ga ₅ O ₁₂ . Optics Letters, 2016, 41, 5071.	3.3	8
44	Helicity and field dependent magnetization dynamics of ferromagnetic Co/Pt multilayers. Applied Physics Letters, 2016, 109, .	3.3	27
45	Switching of chiral magnetic skyrmions by picosecond magnetic field pulses via transient topological states. Scientific Reports, 2016, 6, 27146.	3.3	46
46	Layer-sensitive magneto-optical spectroscopic study of magnetization dynamics in multilayered RE-TM structures. Applied Physics Letters, 2016, 109, .	3.3	8
47	Advances in Soft Functional Materials Research. Advanced Functional Materials, 2016, 26, 8807-8809.	14.9	2
48	High-Resolution Magneto-Optical Kerr-Effect Spectroscopy of Magnon Bose-Einstein Condensate. IEEE Magnetics Letters, 2016, 7, 1-5.	1.1	14
49	Spectrally resolved optical probing of laser induced magnetization dynamics in bismuth iron garnet. Journal of Physics Condensed Matter, 2016, 28, 276002.	1.8	9
50	Aggregation Induced Enhancement of Linear and Nonlinear Optical Emission from a Hexaphenylene Derivative. Advanced Functional Materials, 2016, 26, 8968-8977.	14.9	77
51	Order at Extreme Dilution. Advanced Functional Materials, 2016, 26, 9009-9016.	14.9	3
52	Deterministic character of all-optical magnetization switching in GdFe-based ferrimagnetic alloys. Physical Review B, 2016, 93, .	3.2	22
53	Surface plasmon-driven second-harmonic generation asymmetry in anisotropic plasmonic crystals. Physical Review B, 2016, 93, .	3.2	15
54	Control of the Ultrafast Photoinduced Magnetization across the Morin Transition in DyFeO ₃ . Physical Review Letters, 2016, 116, 097401.	7.8	63

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55	Ellipsometric and magneto-optical study of nanosized ferromagnetic metal-dielectric structures [Co/TiO ₂] /Si. Thin Solid Films, 2016, 619, 359-363.	1.8	0
56	High-Efficiency Second-Harmonic Generation from Hybrid Light-Matter States. Nano Letters, 2016, 16, 7352-7356.	9.1	90
57	Macrospin dynamics in antiferromagnets triggered by sub-20 femtosecond injection of nanomagnons. Nature Communications, 2016, 7, 10645.	12.8	91
58	Nonlinear-optical study of magnetoelectric interactions in multilayer structures. Ferroelectrics, 2016, 500, 37-46.	0.6	6
59	Controlling magnetism by ultrashort laser pulses: from fundamentals to nanoscale engineering. , 2016, , .		0
60	Nonlinear Surface Magnetoplasmonics in Kretschmann Multilayers. ACS Photonics, 2016, 3, 179-183.	6.6	33
61	Fast and ultrafast all-optical control of light in nematic and smectic-A liquid crystals. , 2016, , .		0
62	Femtosecond control of electric currents in metallic ferromagnetic heterostructures. Nature Nanotechnology, 2016, 11, 455-458.	31.5	182
63	Terahertz modulation of the Faraday rotation by laser pulses via the optical Kerr effect. Nature Photonics, 2016, 10, 111-114.	31.4	43
64	Electric field generation of Skyrmion-like structures in a nematic liquid crystal. Soft Matter, 2016, 12, 853-858.	2.7	11
65	Asymmetric second harmonic generation in anisotropic plasmonic crystals. , 2016, , .		0
66	Excitation and coherent control of antiferromagnetic spin waves with sub-20-fs optical pulses. , 2016, , .		0
67	Excitation of magnetic precession in bismuth iron garnet via a polarization-independent impulsive photomagnetic effect. Physical Review B, 2015, 91, .	3.2	22
68	All-thermal switching of amorphous Gd-Fe alloys: Analysis of structural properties and magnetization dynamics. Physical Review B, 2015, 92, .	3.2	41
69	Terahertz magnetization dynamics induced by femtosecond resonant pumping of Dy in the multisublattice antiferromagnet DyFeO_3 . Physical Review B, 2015, 92, .	3.2	26
70	Ultrafast laser-induced dynamics of noncollinear spin structures in amorphous NdFeCo and PrFeCo. Physical Review B, 2015, 92, .	3.2	3
71	Simultaneous measurements of terahertz emission and magneto-optical Kerr effect for resolving ultrafast laser-induced demagnetization dynamics. Physical Review B, 2015, 92, .	3.2	50
72	Laser-induced magnetisation dynamics in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrRuO}_3$ superlattices. Physica Status Solidi - Rapid Research Letters, 2015, 9, 583-588.	2.4	4

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73	Controlling Microsized Polymorphic Architectures with Distinct Linear and Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , 2015, 3, 948-956.	7.3	39
74	Unusual Temperature Dependence of Magnetization and Possible Magnetic Noncollinearity in Tm and Pr Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11153-11159.	3.1	6
75	Ultrafast Magnetism I. <i>Springer Proceedings in Physics</i> , 2015, , .	0.2	11
76	Influence of the Magnetization Compensation Point on the All-Optical Magnetization Switching. <i>Springer Proceedings in Physics</i> , 2015, , 30-31.	0.2	0
77	Terahertz Response and Ultrafast Laser-Induced Dynamics of Spins and Charges in CoFe/Al ₂ O ₃ Multilayers. <i>Springer Proceedings in Physics</i> , 2015, , 261-263.	0.2	0
78	Ultrafast all-optical response of a nematic liquid crystal. <i>Optics Express</i> , 2015, 23, 14010.	3.4	25
79	Photoinduced dynamics and femtosecond excitation of phonon modes in ferroelectric semiconductor Sn ₂ P ₂ S ₆ . <i>JETP Letters</i> , 2015, 102, 372-377.	1.4	18
80	Ultrafast spin dynamics as route to high Speed and energy efficient information technologies. , 2015, , .		0
81	Channeling Vibrational Energy To Probe the Electronic Density of States in Metal Clusters. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 750-754.	4.6	11
82	Extended π -conjugated ruthenium zinc porphyrin complexes with enhanced nonlinear-optical properties. <i>Chemical Communications</i> , 2015, 51, 2855-2858.	4.1	55
83	Nanoscale sub-100 picosecond all-optical magnetization switching in GdFeCo microstructures. <i>Nature Communications</i> , 2015, 6, 5839.	12.8	74
84	Second-Harmonic Generation from a Magnetic Buried Interface Enhanced by an Interplay of Surface Plasma Resonances. <i>ACS Photonics</i> , 2015, 2, 20-26.	6.6	23
85	Terahertz dynamics of spins and charges in CoFe/Al ₂ O ₃ multilayers. <i>Physical Review B</i> , 2015, 91, .	3.2	10
86	Terahertz-driven magnetism dynamics in the orthoferrite DyFeO ₃ . <i>Applied Physics Letters</i> , 2015, 106, .	3.3	31
87	Terahertz magneto-optics in the ferromagnetic semiconductor HgCdCr ₂ Se ₄ . <i>Applied Physics Letters</i> , 2015, 106, .	3.3	21
88	Orbit and spin resolved magnetic properties of size selected [Co _n Rh] ⁺ and [Co _n Au] ⁺ nanoalloy clusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28372-28378.	2.8	13
89	Nanoscale Confinement of All-Optical Magnetic Switching in TbFeCo - Competition with Nanoscale Heterogeneity. <i>Nano Letters</i> , 2015, 15, 6862-6868.	9.1	126
90	Ultrafast optical modification of exchange interactions in iron oxides. <i>Nature Communications</i> , 2015, 6, 8190.	12.8	164

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91	Ultrafast and Distinct Spin Dynamics in Magnetic Alloys. Spin, 2015, 05, 1550004.	1.3	81
92	Strong Thermo-Induced Single And Two-Photon Green Luminescence In Self-Organized Peptide Microtubes. Small, 2015, 11, 1156-1160.	10.0	21
93	Organized Chromophoric Assemblies for Nonlinear Optical Materials: Towards (Sub)wavelength Scale Architectures. Small, 2015, 11, 1113-1129.	10.0	63
94	Engineering Ultrafast Magnetism. Springer Proceedings in Physics, 2015, , 297-299.	0.2	1
95	Ultrafast Opto-magnetism in KNiF ₃ . Springer Proceedings in Physics, 2015, , 221-223.	0.2	0
96	Layer-Specific Probing of Ultrafast Spin Dynamics in Multilayered Magnets with Visible Light. Springer Proceedings in Physics, 2015, , 69-71.	0.2	0
97	Improving the Efficiency of Ultrafast Optical Control of Magnetism in GdFeCo Continuous Films and Submicron Structures. Springer Proceedings in Physics, 2015, , 267-269.	0.2	0
98	Nonlinear magneto-optic ellipsometry. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 626.	2.1	4
99	Ultrafast time-resolved magneto-optical imaging of all-optical switching in GdFeCo with femtosecond time-resolution and a $\frac{1}{4}$ spatial-resolution. Review of Scientific Instruments, 2014, 85, 063702.	1.3	37
100	Laser-induced spin dynamics in ferromagnetic (In,Mn)As at magnetic fields up to 7 T. Physical Review B, 2014, 89, .	3.2	11
101	Controlling coherent and incoherent spin dynamics by steering the photoinduced energy flow. Physical Review B, 2014, 89, .	3.2	49
102	Terahertz emission spectroscopy of laser-induced spin dynamics in TmFeO_3 and ErFeO_3 . Physical Review B, 2014, 90, .	3.2	13
103	Structure investigation of Co_xO_y ($x=3\text{--}6$, $y=3\text{--}8$) clusters by IR vibrational spectroscopy and DFT calculations. European Physical Journal D, 2014, 68, 1.	1.3	16
104	Attempting nanolocalization of all-optical switching through nano-holes in an Al-mask. Proceedings of SPIE, 2014, , .	0.8	3
105	Irreversible modification of magnetic properties of Pt/Co/Pt ultrathin films by femtosecond laser pulses. Journal of Applied Physics, 2014, 115, 053906.	2.5	22
106	Ultrafast thermally induced magnetic switching in synthetic ferrimagnets. Applied Physics Letters, 2014, 104, .	3.3	67
107	Laser-induced magnetization dynamics in a cobalt/garnet heterostructure. Europhysics Letters, 2014, 105, 27006.	2.0	4
108	Optical excitation of thin magnetic layers in multilayer structures. Nature Materials, 2014, 13, 101-102.	27.5	35

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109	Laser Excitation of Lattice-Driven Anharmonic Magnetization Dynamics in Dielectric FeBO_3 . Physical Review Letters, 2014, 112, 147403.	7.8	54
110	Gaining Control through Frustration: Two-Fold Approach for Liquid Crystal Three-Dimensional Command Layers. Nano Letters, 2014, 14, 3903-3907.	9.1	7
111	Femtosecond laser-induced optical anisotropy in a two-dimensional lattice of magnetic dots. Physical Review B, 2014, 89, .	3.2	2
112	Bias-controlled ultrafast demagnetization in magnetic tunnel junctions. Physical Review B, 2014, 89, .	3.2	12
113	Laser induced spin precession in highly anisotropic granular L1 FePt. Applied Physics Letters, 2014, 104, .	3.3	48
114	All-optical manipulation and probing of the d ^f exchange interaction in EuTe. Scientific Reports, 2014, 4, 4368.	3.3	38
115	Effect of lateral shift of the light transmitted through a one-dimensional superconducting photonic crystal. Photonics and Nanostructures - Fundamentals and Applications, 2013, 11, 345-352.	2.0	22
116	Nanostructured Pd ^{Au} based fiber optic sensors for probing hydrogen concentrations in gas mixtures. International Journal of Hydrogen Energy, 2013, 38, 4201-4212.	7.1	80
117	Nanoscale spin reversal by non-local angular momentum transfer following ultrafast laser excitation in ferrimagnetic GdFeCo. Nature Materials, 2013, 12, 293-298.	27.5	267
118	Nonlocal nonlinear magneto-optical response of a magnetoplasmonic crystal. Physical Review B, 2013, 88, .	3.2	25
119	Time-resolved nonlinear infrared spectroscopy of samarium ions in SmFeO ₃ . Physical Review B, 2013, 87, .	3.2	22
120	The Role of Angular Momentum in Ultrafast Magnetization Dynamics. Topics in Applied Physics, 2013, , 59-70.	0.8	0
121	Element-Specific Probing of Ultrafast Spin Dynamics in Multisublattice Magnets with Visible Light. Physical Review Letters, 2013, 110, 107205.	7.8	85
122	Sub-millisecond nematic liquid crystal switches using patterned command layer. Journal of Applied Physics, 2013, 113, 014503.	2.5	7
123	Laser-induced magnetization dynamics and reversal in ferrimagnetic alloys. Reports on Progress in Physics, 2013, 76, 026501.	20.1	191
124	Dynamics of laser-induced spin reorientation in Co/SmFeO ₃ heterostructure. Physical Review B, 2013, 87, .	3.2	35
125	Laser-Induced Magnetic Nanostructures with Tunable Topological Properties. Physical Review Letters, 2013, 110, 177205.	7.8	256
126	The role of magnetization compensation point for efficient ultrafast control of magnetization in Gd ₂₄ Fe _{66.5} Co _{9.5} alloy. European Physical Journal B, 2013, 86, 1.	1.5	17

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127	Role of the inter-sublattice exchange coupling in short-laser-pulse-induced demagnetization dynamics of GdCo and GdCoFe alloys. <i>Physical Review B</i> , 2013, 87, .	3.2	41
128	Ultrafast generation of nanostructures with tunable topological properties by single laser pulse illumination. , 2013, , .		0
129	Self-Assembled Organic Microfibers for Nonlinear Optics. <i>Advanced Materials</i> , 2013, 25, 2084-2089.	21.0	119
130	Direct mapping of plasmonic coupling between a triangular gold island pair. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	7
131	Coherent Control of the Route of an Ultrafast Magnetic Phase Transition via Low-Amplitude Spin Precession. <i>Physical Review Letters</i> , 2012, 108, 157601.	7.8	107
132	Optical energy optimization at the nanoscale by near-field interference. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	19
133	All-optical magnetization reversal by circularly polarized laser pulses: Experiment and multiscale modeling. <i>Physical Review B</i> , 2012, 85, .	3.2	190
134	Ultrafast magnetism as seen by x-rays. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
135	Highly efficient all-optical switching of magnetization in GdFeCo microstructures by interference-enhanced absorption of light. <i>Physical Review B</i> , 2012, 86, .	3.2	41
136	Tunable magnetic properties in ultrathin Co/garnet heterostructures. <i>Journal of Applied Physics</i> , 2012, 111, 023913.	2.5	15
137	Nonlinear acousto-optical diffraction by surface and bulk standing acoustic waves. , 2012, , .		0
138	Role of Magnetic Circular Dichroism in All-Optical Magnetic Recording. <i>Physical Review Letters</i> , 2012, 108, 127205.	7.8	253
139	Magneto-optical study of holmium iron garnet Ho ₃ Fe ₅ O ₁₂ . <i>Low Temperature Physics</i> , 2012, 38, 863-869.	0.6	23
140	Lateral shift of the light transmitted through a 1D superconducting photonic crystal. , 2012, , .		1
141	Efficiency of ultrafast laser-induced demagnetization in Gd _x Fe _{1-x} . <i>Physical Review B</i> , 2012, 85, 020401.	3.2	30
142	Laser-induced manipulation of magnetic anisotropy and magnetization precession in an ultrathin cobalt wedge. <i>Physical Review B</i> , 2012, 85, .	3.2	31
143	Ultrafast Spin Dynamics in Multisublattice Magnets. <i>Physical Review Letters</i> , 2012, 108, 057202.	7.8	217
144	Ultrafast heating as a sufficient stimulus for magnetization reversal in a ferrimagnet. <i>Nature Communications</i> , 2012, 3, 666.	12.8	588

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163	Single picojoule pulse switching of magnetization in ferromagnetic (Ga,Mn)As. Applied Physics Letters, 2010, 97, 232503.	3.3	15
164	Influence of laser pulse shaping on the ultrafast dynamics in antiferromagnetic NiO. Physical Review B, 2010, 82, .	3.2	13
165	Coherent Control of Angular Momentum Transfer in Resonant Two-Photon Light-Matter Interaction. Physical Review Letters, 2010, 104, 133001.	7.8	7
166	Investigation of the femtosecond inverse Faraday effect using paramagnetic Dy . Physical Review B, 2010, 81, .	3.2	29
167	Size dependent magnetic moments and electric polarizabilities of free Tb, Ho, and Tm clusters. Journal of Applied Physics, 2010, 107, .	2.5	15
168	The effect of oxygen doping on the magnetism of Tb and Pr clusters. Journal of Applied Physics, 2010, 107, .	2.5	11
169	Coherence-mediated laser control of exciton and trion spins in CdTe/CdMgTe quantum wells studied by the magneto-optical Kerr effect. Journal of Physics Condensed Matter, 2010, 22, 115801.	1.8	3
170	Nonlinear Faraday rotation in a one-dimensional magnetic photonic crystal with two defects. AIP Conference Proceedings, 2010, , .	0.4	1
171	Controlled growth of metallic inverse opals by electrodeposition. Physical Chemistry Chemical Physics, 2010, 12, 15414.	2.8	38
172	One-dimensional photonic crystal with a complex defect containing an ultrathin superconducting sublayer. Journal of Applied Physics, 2010, 108, .	2.5	43
173	One-Dimensional photonic crystal with superconducting defect layer: Oblique incidence of the light. , 2010, , .		0
174	Electric Field Controlled Transmittivity Spectra of One-Dimensional Magnetic Photonic Crystals With a Complex Electro-Optic Magneto-Optic Defect Layer. , 2010, , .		1
175	Stable and fast semi-implicit integration of the stochastic Landau-Lifshitz equation. Journal of Physics Condensed Matter, 2010, 22, 176001.	1.8	87
176	Large ultrafast photoinduced magnetic anisotropy in a cobalt-substituted yttrium iron garnet. Physical Review B, 2010, 81, .	3.2	63
177	Electric field controlled Faraday rotation in an electro-optic/magneto-optic bilayer. Applied Physics Letters, 2010, 97, .	3.3	7
178	The temperature- and thickness-dependence of the photonic band gap spectra of the one-dimensional photonic crystal with a superconducting defect layer. , 2010, , .		1
179	Interface magnetic and optical anisotropy of ultrathin Co films grown on a vicinal Si substrate. Physical Review B, 2009, 80, .	3.2	25
180	Spin-reorientation in the heterostructure Co/SmFeO ₃ . Journal of Physics Condensed Matter, 2009, 21, 446004.	1.8	11

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181	Photoinduced magneto-optical Kerr effect and ultrafast spin dynamics in CdTe/CdMgTe quantum wells during excitation by shaped laser pulses. <i>Physical Review B</i> , 2009, 80, .	3.2	6
182	Electric-field induced modulation of the magneto-optical Kerr effect in a (Zn,Be,Mn)Se/GaAs spintronic device. <i>Physical Review B</i> , 2009, 80, .	3.2	4
183	Electromagnetic surface wave induced magnetic anisotropy. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 105003.	2.8	2
184	Complete chiral symmetry breaking of an amino acid derivative directed by circularly polarized light. <i>Nature Chemistry</i> , 2009, 1, 729-732.	13.6	210
185	Inertia-driven spin switching in antiferromagnets. <i>Nature Physics</i> , 2009, 5, 727-731.	16.7	306
186	Optical study of three-dimensional magnetic photonic crystals opal/Fe ₃ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 840-842.	2.3	12
187	Magnetophotonic properties of inverse magnetic metal opals. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 833-835.	2.3	8
188	Investigation of light reflection at Brewster angles from a nonlinear optical film on a magnetoelectric substrate. <i>European Physical Journal B</i> , 2009, 71, 401-406.	1.5	9
189	A one-dimensional photonic crystal with a superconducting defect layer. <i>Journal of Optics</i> , 2009, 11, 114014.	1.5	74
190	Charge transfer transitions in multiferroic BiFeO_3 related ferrite insulators. <i>Physical Review B</i> , 2009, 79, .	3.2	191
191	Ultrafast Path for Optical Magnetization Reversal via a Strongly Nonequilibrium State. <i>Physical Review Letters</i> , 2009, 103, 117201.	7.8	367
192	Linear and nonlinear magneto-optical response of ultrathin Co/Au/Mo and Co/Mo films grown on sapphire substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1770-1773.	1.8	1
193	Optical bistability in one-dimensional magnetic photonic crystal with two defect layers. <i>Journal of Applied Physics</i> , 2008, 103, 07B321.	2.5	24
194	Optical study of the electronic structure and magnetic ordering in a weak ferromagnet FeBO ₃ . <i>JETP Letters</i> , 2008, 86, 712-717.	1.4	16
195	Impulsive excitation of coherent magnons and phonons by subpicosecond laser pulses in the weak ferromagnet FeBO_3 . <i>Physical Review B</i> , 2008, 78, .	3.2	92
196	Viral capsids as templates for the production of monodisperse Prussian blue nanoparticles. <i>Chemical Communications</i> , 2008, , 1542.	4.1	67
197	Controlling optical transmission through magneto-plasmonic crystals with an external magnetic field. <i>New Journal of Physics</i> , 2008, 10, 105012.	2.9	89
198	Ultrafast Opto-Magnetic Excitation of Magnetization Dynamics. <i>IEEE Transactions on Magnetism</i> , 2008, 44, 1905-1910.	2.1	1

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199	Uniform γ -(2-Aminoethyl)(3-aminopropyl)trimethoxysilane Monolayer Growth in Water. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20105-20108.	3.1	14
200	Coherent control of surface plasmon polariton mediated optical transmission. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 195102.	2.8	19
201	The Projected 45 T Hybrid Magnet System at the Nijmegen High Field Magnet Laboratory. <i>IEEE Transactions on Applied Superconductivity</i> , 2008, 18, 571-574.	1.7	8
202	Enhancement of optical and magneto-optical effects in three-dimensional opal/Fe ₃ O ₄ magnetic photonic crystals. <i>Applied Physics Letters</i> , 2008, 93, 072502.	3.3	21
203	Effects of narrow-band pulse shaping on a resonant multilevel system. <i>Physical Review A</i> , 2008, 78, .	2.5	3
204	Determination of liquid crystal orientation in holographic polymer dispersed liquid crystals by linear and nonlinear optics. <i>Journal of Applied Physics</i> , 2008, 104, 073115.	2.5	2
205	Femtosecond opto-magnetism. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
206	Ultrafast coherent control of magnetism. , 2007, , .		0
207	Observation of periodic oscillations in magnetization-induced second harmonic generation at the Mn ²⁺ /Co interface. <i>Physical Review B</i> , 2007, 75, .	3.2	25
208	Direct imaging of lattice-strain-induced stripe phases in an optimally doped manganite film. <i>Physical Review B</i> , 2007, 75, .	3.2	17
209	Ultrafast Interaction of the Angular Momentum of Photons with Spins in the Metallic Amorphous Alloy GdFeCo. <i>Physical Review Letters</i> , 2007, 98, 207401.	7.8	88
210	Direct observation of controlled strain-induced second harmonic generation in a Co _{0.25} Pd _{0.75} thin film on a Pb(ZrTi)O ₃ substrate. <i>Applied Physics Letters</i> , 2007, 90, 044108.	3.3	7
211	Quadratic effects in the nonlinear magneto-optical response of perovskite manganites studied with magnetization-induced second harmonic generation. <i>Physical Review B</i> , 2007, 75, .	3.2	8
212	Femtosecond opto-magnetism. , 2007, , .		0
213	The development of self-assembled liquid crystal display alignment layers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 1553-1576.	3.4	17
214	Switchable nonlinear metalloferroelectric photonic crystals. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	14
215	Subpicosecond Magnetization Reversal across Ferrimagnetic Compensation Points. <i>Physical Review Letters</i> , 2007, 99, 217204.	7.8	189
216	Switchable helical holographic structures. <i>Journal of the Society for Information Display</i> , 2007, 15, 553-558.	2.1	2

#	ARTICLE	IF	CITATIONS
217	Nonthermal optical control of magnetism and ultrafast laser-induced spin dynamics in solids. Journal of Physics Condensed Matter, 2007, 19, 043201.	1.8	62
218	Impulsive Generation of Coherent Magnons by Linearly Polarized Light in the Easy-Plane Antiferromagnet FeBO_3 . Physical Review Letters, 2007, 99, 167205.	7.8	126
219	Femtosecond opto-magnetism: ultrafast laser manipulation of magnetic materials. Laser and Photonics Reviews, 2007, 1, 275-287.	8.7	103
220	Supramolecular command surfaces for liquid crystal alignment. Polymer International, 2007, 56, 1186-1191.	3.1	20
221	All-Optical Magnetic Recording with Circularly Polarized Light. Physical Review Letters, 2007, 99, 047601.	7.8	1,167
222	Nonthermal ultrafast optical control of the magnetization in garnet films. Physical Review B, 2006, 73, .	3.2	147
223	Macroscopic Hierarchical Surface Patterning of Porphyrin Trimers via Self-Assembly and Dewetting. Science, 2006, 314, 1433-1436.	12.6	311
224	Direct Observation of Exchange Bias Related Uncompensated Spins at the CoO/Cu Interface. Physical Review Letters, 2006, 96, 067206.	7.8	48
225	LCD-based detection of enzymatic action. Chemical Communications, 2006, , 434-435.	4.1	31
226	Optical excitation of antiferromagnetic resonance in TmFeO ₃ . Physical Review B, 2006, 74, .	3.2	75
227	Ultrafast spin dynamics across compensation points in ferrimagnetic GdFeCo: The role of angular momentum compensation. Physical Review B, 2006, 73, .	3.2	260
228	LCD alignment layers. Controlling nematic domain properties. Journal of Materials Chemistry, 2006, 16, 1305-1314.	6.7	111
229	Response of two-defect magnetic photonic crystals to oblique incidence of light: Effect of defect layer variation. Journal of Applied Physics, 2006, 100, 096110.	2.5	26
230	Ultrafast all-optical control of the magnetization in magnetic dielectrics. Low Temperature Physics, 2006, 32, 748-767.	0.6	9
231	Nonlinear-optical and micro-Raman diagnostics of thin films and nanostructures of ABO ₃ ferroelectrics. Physics of the Solid State, 2006, 48, 1210-1213.	0.6	5
232	Component-resolved determination of the magnetization by magnetization-induced optical second-harmonic generation. Review of Scientific Instruments, 2006, 77, 034704.	1.3	4
233	Voltage-controlled phase matching in quadrupole second-harmonic generation. Physical Review E, 2006, 74, 045601.	2.1	2
234	Anomalous optical properties of the mixed-valent lithium cuprate LiCu ₂ O ₂ . Physical Review B, 2006, 74, .	3.2	13

#	ARTICLE	IF	CITATIONS
235	Structural investigation of CuIn ₅ Se ₈ single crystals by optical second harmonic generation, ellipsometry, and photoluminescence. Applied Physics Letters, 2006, 89, 151915.	3.3	3
236	Crystallization of PZT in Porous Alumina Membrane Channels. Ferroelectrics, 2006, 336, 247-254.	0.6	12
237	Frequency analysis of the magnetization dynamics in thin ellipsoidal magnetic elements. Physical Review B, 2006, 73, .	3.2	8
238	Temperature dependence of magnetization-induced second harmonic generation at buried exchange-biased interfaces. Physical Review B, 2006, 73, .	3.2	4
239	Optical and magneto-optical studies of a multiferroic GaFeO ₃ with a high Curie temperature. JETP Letters, 2005, 81, 452-457.	1.4	32
240	Optical Properties of Thulium Orthoferrite TmFeO ₃ . Physics of the Solid State, 2005, 47, 2292.	0.6	33
241	Ultrafast non-thermal control of magnetization by instantaneous photomagnetic pulses. Nature, 2005, 435, 655-657.	27.8	979
242	Magnetic Field Alignment of Liquid Crystals for Fast Display Applications. Advanced Materials, 2005, 17, 610-614.	21.0	31
243	Influence of quadratic contributions in magnetization-induced second harmonic generation studies of magnetization reversal. Physica Status Solidi (B): Basic Research, 2005, 242, 3027-3031.	1.5	16
244	The Effect of Shearing on the Phase Retardation of Banana Liquid Crystals. Molecular Crystals and Liquid Crystals, 2005, 437, 295/[1539]-301/[1545].	0.9	0
245	Observation of Giant Magnetic Linear Dichroism in(Ga,Mn)As. Physical Review Letters, 2005, 94, 227203.	7.8	51
246	Magnetization manipulation in (Ga,Mn)As by subpicosecond optical excitation. Applied Physics Letters, 2005, 86, 152506.	3.3	46
247	Magnetization-induced-second-harmonic generation from surfaces and interfaces. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 148.	2.1	100
248	Influence of magnetic field on nonlinear magneto-optical diffraction on two-dimensional hexagonal magnetic bubble lattice. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 215.	2.1	5
249	Femtosecond Photomagnetic Switching of Spins in Ferrimagnetic Garnet Films. Physical Review Letters, 2005, 95, 047402.	7.8	191
250	Tunable Command Layers for Liquid Crystal Alignment. Journal of the American Chemical Society, 2005, 127, 11047-11052.	13.7	72
251	Quasiperiodic structures via atom-optical nanofabrication. Physical Review B, 2004, 69, .	3.2	11
252	Large-angle magnetization dynamics investigated by vector-resolved magnetization-induced optical second-harmonic generation. Journal of Applied Physics, 2004, 96, 6023-6028.	2.5	13

#	ARTICLE	IF	CITATIONS
253	Picosecond dynamics of bleaching and spin splitting in InP revealed by the photoinduced magneto-optical Kerr effect near the spin-orbit split-off exciton transition. <i>Physical Review B</i> , 2004, 69, .	3.2	5
254	Surface-induced orientational phase transition in a lyotropic liquid crystal observed by nonlinear optical techniques. <i>Physical Review E</i> , 2004, 69, 061707.	2.1	5
255	Laser manipulation of iron for nanofabrication. <i>Applied Physics Letters</i> , 2004, 85, 3842-3844.	3.3	41
256	Bigyrotropic photonic crystals. , 2004, , .		3
257	Laser-induced ultrafast spin reorientation in the antiferromagnet TmFeO ₃ . <i>Nature</i> , 2004, 429, 850-853.	27.8	568
258	Linear and nonlinear optical spectroscopy of gadolinium iron borate GdFe ₃ (BO ₃) ₄ . <i>JETP Letters</i> , 2004, 80, 293-297.	1.4	34
259	Optical and magneto-optical properties of CoFeB/SiO ₂ and CoFeZr/Al ₂ O ₃ granular magnetic nanostructures. <i>Physics of the Solid State</i> , 2004, 46, 2163-2170.	0.6	10
260	Optical and magneto-optical properties of bismuth and gallium substituted iron garnet films. <i>Thin Solid Films</i> , 2004, 455-456, 429-432.	1.8	20
261	One-dimensional bigyrotropic magnetic photonic crystals. <i>Applied Physics Letters</i> , 2004, 85, 5932-5934.	3.3	40
262	Spectra of bigyrotropic magnetic photonic crystals. <i>Physica Status Solidi A</i> , 2004, 201, 3338-3344.	1.7	5
263	Selective surface/interface characterization of thin garnet films by magnetization-induced second-harmonic generation. <i>Physical Review B</i> , 2004, 70, .	3.2	13
264	Excitation of Coherent Spin Waves at Ultrafast Thermomagnetic Writing. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 2543-2545.	2.1	6
265	Picosecond Dynamics of the Photoinduced Spin Polarization in Epitaxial (Ga,Mn)As Films. <i>Physical Review Letters</i> , 2004, 92, 237203.	7.8	58
266	<title>Research of optical and structural properties in multilayer films (Ni ₂₂ Co ₇₅ A) x ₂₀ L</title>. , 2004, 5401, 514.		0
267	Surfaces and Interfaces of Liquid Crystals. , 2004, , .		64
268	Scanning Probe Microscopy Studies of Liquid Crystal Interfaces. , 2004, , 175-210.		0
269	Solid-Liquid Crystal Interfaces Probed by Optical Second-Harmonic Generation. , 2004, , 111-137.		0
270	ULTRAFAST MAGNETIZATION SWITCHING DYNAMICS. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
271	Nonlinear Magneto-Optics: Principles and Applications for Magnetic Thin Films. , 2004, , .		0
272	Structure and polarity of 8CB films evaporated onto solid substrates. European Physical Journal E, 2003, 11, 169-175.	1.6	24
273	Magnetic photonic crystals. Journal Physics D: Applied Physics, 2003, 36, R277-R287.	2.8	334
274	Noncontact Liquid-Crystal Alignment by Supramolecular Amplification of Nanogrooves. Angewandte Chemie - International Edition, 2003, 42, 1812-1815.	13.8	28
275	Complex frequency technique for linear and second harmonic optical properties of metallic surfaces. Computer Physics Communications, 2003, 151, 251-264.	7.5	2
276	Observation of surface and bulk phase transitions in nematic liquid crystals. Nature, 2003, 421, 149-152.	27.8	68
277	Magneto-optical study of granular silicon oxide films with embedded CoNbTa ferromagnetic particles. Physics of the Solid State, 2003, 45, 283-286.	0.6	5
278	Novel alignment technique for LCD-biosensors Electronic supplementary information (ESI) available: alignment layer formation and structure, FT-IR spectra and polarising microscopic images. See http://www.rsc.org/suppdata/cc/b3/b310860k/ . Chemical Communications, 2003, , 2856.	4.1	13
279	Nonlinear-optical probing of nanosecond ferroelectric switching. Applied Physics Letters, 2003, 83, 2402-2404.	3.3	31
280	Rubbing-induced charge domains observed by electrostatic force microscopy: effect on liquid crystal alignment. Liquid Crystals, 2003, 30, 591-598.	2.2	30
281	Optical Second Harmonic Generation for Determination the Domain Orientation in Thin Ferroelectric Films. Ferroelectrics, 2003, 286, 279-290.	0.6	2
282	Linear and nonlinear magneto-optical diffraction from one-dimensional periodic structures. Journal of Applied Physics, 2003, 93, 7903-7905.	2.5	9
283	Alignment of liquid crystals with periodic submicron structures ablated in polymeric and indium tin oxide surfaces. Applied Physics Letters, 2003, 82, 2553-2555.	3.3	42
284	Domain orientation in ultrathin (Ba,Sr)TiO ₃ films measured by optical second harmonic generation. Journal of Applied Physics, 2003, 93, 6216-6222.	2.5	33
285	Ordered structure and twin boundary of triblock copolymer/silica mesophase thin films. Applied Physics Letters, 2003, 83, 3492-3494.	3.3	5
286	Observation of twist nematic liquid-crystal lines. Journal of Applied Physics, 2003, 94, 6508-6512.	2.5	4
287	Ultrafast Magnetization and Switching Dynamics. Topics in Applied Physics, 2003, , 216-255.	0.8	10
288	Optical second-harmonic generation and scanning tunneling microscopy study of the self-assembly process of cyanine dyes on Br-Ag(111) substrates. Physical Review B, 2002, 65, .	3.2	2

#	ARTICLE	IF	CITATIONS
289	Submicron liquid crystal pixels on a nanopatterned indium tin oxide surface. Applied Physics Letters, 2002, 80, 4635-4637.	3.3	22
290	Ultrafast Optical Spectroscopy of Hexagonal Manganites $R\text{MnO}_3$ ($R = \text{Y, Er, Sc}$). Ferroelectrics, 2002, 279, 135-146.	0.6	1
291	Capability of Tera bps Ultrafast Rewritable Storage by Thermomagnetic Switching. Japanese Journal of Applied Physics, 2002, 41, 1650-1653.	1.5	6
292	<title>Magnetic films with periodically striped domains as tunable photonic crystals</title>. , 2002, 4806, 302.		4
293	Investigation of the as-deposited characteristics and the thermal stability of CoFe and Ru based multilayers. Journal of Applied Physics, 2002, 91, 8584.	2.5	1
294	Picosecond precessional magnetization reversal by magnetic field pulse shaping. IEEE Transactions on Magnetics, 2002, 38, 2484-2488.	2.1	6
295	Performance optimization of an external enhancement resonator for optical second-harmonic generation. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1660.	2.1	21
296	Ultrafast Quenching of the Antiferromagnetic Order in FeBO_3 : Direct Optical Probing of the Phonon-Magnon Coupling. Physical Review Letters, 2002, 89, 287401.	7.8	82
297	Domain structures during magnetization reversal in exchange-biased layers. Journal of Applied Physics, 2002, 91, 7745.	2.5	29
298	Laser-focused nanofabrication: Beating of two atomic resonances. Applied Physics Letters, 2002, 80, 4443-4445.	3.3	12
299	Magnetically induced second harmonic generation (MSHG) as a tool for the studies of surface magnetism. Journal of Magnetism and Magnetic Materials, 2002, 239, 351-355.	2.3	2
300	Picosecond control of coherent magnetisation dynamics in permalloy thin films by picosecond magnetic field pulse shaping. Journal of Magnetism and Magnetic Materials, 2002, 240, 283-286.	2.3	17
301	Second Harmonic Light Scattering by Magnetic Dots. Physica Status Solidi A, 2002, 189, 989-994.	1.7	0
302	Nonlinear optics for surface phase transitions. Applied Physics B: Lasers and Optics, 2002, 74, 765-775.	2.2	3
303	Nonlinear optical and electrostatic force microscopy for ferroelectric polarization imaging. Applied Physics B: Lasers and Optics, 2002, 74, 783-788.	2.2	3
304	Nonlinear magneto-optical diffraction by two-dimensional magnetic superstructures. Applied Physics B: Lasers and Optics, 2002, 74, 711-714.	2.2	9
305	Ultrafast precessional magnetization reversal by picosecond magnetic field pulse shaping. Nature, 2002, 418, 509-512.	27.8	428
306	A study of the structural phase transition in strontium titanate single crystal by coherent and incoherent second optical harmonic generation. Journal of Experimental and Theoretical Physics, 2002, 94, 552-567.	0.9	8

#	ARTICLE	IF	CITATIONS
307	Ultrafast Faraday effect and the dynamics of the antiferromagnet-paramagnet phase transition in FeBO ₃ . JETP Letters, 2002, 75, 487-491.	1.4	0
308	Local probing of the polarization state in thin Pb(ZrTi)O ₃ films during polarization reversal. Applied Physics Letters, 2001, 78, 796-798.	3.3	20
309	Second harmonic generation in anisotropic magnetic films. Physical Review B, 2001, 63, .	3.2	52
310	Local-field effects on the near-surface and near-interface screened electric field in noble metals. Physical Review B, 2001, 64, .	3.2	6
311	Time-resolved nonlinear optical spectroscopy of Mn ³⁺ ions in rare-earth hexagonal manganites RMnO ₃ (R=Sc, Y, Er). Physical Review B, 2001, 64, .	3.2	28
312	Anisotropic magnetization-induced second harmonic generation in Fe/Au superlattices. Physical Review B, 2001, 64, .	3.2	33
313	Surface states and second harmonic generation at the (110) nickel surface from a first-principles calculation. Surface Science, 2001, 482-485, 1050-1055.	1.9	5
314	Fast magnetization reversal of GdFeCo induced by femtosecond laser pulses. Physical Review B, 2001, 65, .	3.2	136
315	Room-temperature ultrafast carrier and spin dynamics in GaAs probed by the photoinduced magneto-optical Kerr effect. Physical Review B, 2001, 63, .	3.2	95
316	Local Piezoelectric Response and Surface Potential of Dielectric and Ferroelectric Langmuir-Blodgett Films Studied by Electrostatic Force Microscopy. Studies in Interface Science, 2001, 11, 95-108.	0.0	0
317	Growth of nanosized MnAs/Si(111) magnetoelectronic heterostructures and their magneto-optical study. Physics of the Solid State, 2001, 43, 1941-1947.	0.6	2
318	PROBING ALIGNMENT OF LIQUID CRYSTALS ON SILANE DERIVATIVES BY SECOND HARMONIC GENERATION. Journal of Nonlinear Optical Physics and Materials, 2001, 10, 133-142.	1.8	2
319	Magnetization dynamics in NiFe thin films induced by short in-plane magnetic field pulses. Journal of Applied Physics, 2001, 89, 7648-7650.	2.5	22
320	Strong self- and cross-phase modulation effects in chromium-doped KTiOPO ₄ crystals. Journal of Applied Physics, 2001, 90, 1698-1702.	2.5	0
321	Thermal stability of antiferromagnetically coupled multilayers with Ru/Co and Cu/Co interfaces. Journal of Applied Physics, 2001, 90, 5228-5234.	2.5	4
322	Mechanism of liquid crystal alignment on submicron patterned surfaces. Journal of Applied Physics, 2001, 89, 960-964.	2.5	59
323	Thermal stability of the antiferromagnetically coupled Co/Cu/Co stack. Journal of Applied Physics, 2001, 89, 7508-7510.	2.5	6
324	CoNi/Pt interface roughness probed by nonlinear magneto-optics, x-ray scattering and atomic force microscopy. Journal of Applied Physics, 2001, 89, 4670-4672.	2.5	3

#	ARTICLE	IF	CITATIONS
325	Alignment of nematic liquid crystals on an electrically poled photopolymer film. Journal of Applied Physics, 2001, 90, 3332-3337.	2.5	11
326	Nonlinear magneto-optical effect in Fe/Au superlattices modulated by noninteger atomic layers. Journal of Applied Physics, 2000, 87, 6785-6787.	2.5	8
327	Generation of second optical harmonic and magneto-optical Kerr effect in ferromagnet-semiconductor heterostructures CaF ₂ /MnAs/Si(111). Physics of the Solid State, 2000, 42, 909-917.	0.6	3
328	Growth and magnetic properties of Fe films on vicinal to (001) substrates. Journal of Applied Physics, 2000, 87, 6092-6094.	2.5	5
329	A shear cell for aligning and measuring birefringence of bow-shaped (banana) liquid crystals. Review of Scientific Instruments, 2000, 71, 4492.	1.3	12
330	Second-harmonic generation from realistic film-substrate interfaces: The effects of strain. Applied Physics Letters, 2000, 76, 1848-1850.	3.3	34
331	Ultrafast dynamics of the photo-induced magneto-optical Kerr effect in CdTe at room temperature. Physical Review B, 2000, 62, R10610-R10613.	3.2	44
332	Alignment of liquid crystals on a photosensitive substrate studied by surface optical second-harmonic generation. Physical Review E, 2000, 61, R3310-R3313.	2.1	6
333	Strong Surface State Effects in Nonlinear Magneto-optical Response of Ni(110). Physical Review Letters, 2000, 84, 2002-2005.	7.8	13
334	Observation of strong magnetic effects in visible-infrared sum frequency generation from magnetic structures. Physical Review B, 2000, 62, R783-R786.	3.2	10
335	Asymmetry of second harmonic generation in magnetic thin films under circular optical excitation. Physical Review B, 2000, 61, R3796-R3799.	3.2	18
336	Observation of a Near-Surface Structural Phase Transition in SrTiO ₃ by Optical Second Harmonic Generation. Physical Review Letters, 2000, 85, 3664-3667.	7.8	65
337	Lifshitz point in the phase diagram of a ferroelectric liquid crystal in an external magnetic field. Physical Review E, 2000, 61, 3961-3968.	2.1	13
338	Electric Field Aligned Photo-Polymer Films for Liquid Crystal Display. Molecular Crystals and Liquid Crystals, 2000, 352, 407-415.	0.3	2
339	Hyper-Rayleigh scattering in Gd-containing Langmuir-Blodgett superstructures. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 63.	2.1	10
340	Influence of lattice mismatch on magnetization-induced optical second harmonic generation from a magnetic film on a nonmagnetic substrate. Journal of Applied Physics, 2000, 87, 6794-6796.	2.5	13
341	Alignment of Nematic Liquid Crystals on Poled Photo-Polymer Films. Molecular Crystals and Liquid Crystals, 2000, 351, 169-178.	0.3	2
342	Surface growth in laser-focused atomic deposition. Physical Review B, 1999, 60, 1543-1546.	3.2	18

#	ARTICLE	IF	CITATIONS
343	Slow mode of the smectic- A^* smectic- C^* phase transition. <i>Physical Review E</i> , 1999, 60, 6788-6792.	2.1	4
344	Characterization of unidirectional photopolymerization in poly(vinyl cinnamate) by surface optical second-harmonic generation. <i>Physical Review E</i> , 1999, 60, 3120-3128.	2.1	17
345	Surface-induced transverse magneto-optical Kerr effect. <i>Physical Review B</i> , 1999, 59, 4211-4214.	3.2	9
346	Nonlinear magneto-optical probing of magnetic interfaces. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 477-484.	2.2	31
347	Time-resolved photo-induced nonlinear magneto-optical Kerr effect for the study of spin dynamics at a GaAs(001) surface. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 519-523.	2.2	3
348	Surface magnetism of Ni(110) probed by magnetic second harmonic generation. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 198-199, 695-697.	2.3	11
349	Nonlinear magneto-optical imaging of interface magnetic structures. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 198-199, 620-623.	2.3	12
350	Nonlinear magneto-optical diffraction from periodic domain structures in magnetic films. <i>Applied Physics Letters</i> , 1999, 74, 1880-1882.	3.3	21
351	Infrared studies of $a\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ single crystal: μ Optical magnetoconductivity in a half-metallic ferromagnet. <i>Physical Review B</i> , 1999, 59, R697-R700.	3.2	52
352	Linear and nonlinear magneto-optical study of thin ferromagnetic MnAs films grown on Si[111]. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 3127-3129.	2.1	0
353	Hyper-Rayleigh scattering from Langmuir films of C ₆₀ and its derivatives. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 1692.	2.1	10
354	Electrically Aligned Photo-Polymer Films for Liquid Crystal Alignment. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 329, 441-446.	0.3	3
355	Crystal structures of di-tin-hexa(seleno)hypodiphosphate, $\text{Sn}_2\text{P}_2\text{Se}_6$, in the ferroelectric and paraelectric phase. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1998, 213, 34-41.	0.8	26
356	A Model for Second Harmonic Generation from Magnetized Surfaces. <i>Physica Status Solidi A</i> , 1998, 170, 227-233.	1.7	1
357	Energy Exchange in Second-Order Nonlinear Optics in Centrosymmetric Media. <i>Physica Status Solidi A</i> , 1998, 170, 417-422.	1.7	0
358	Structural studies of epitaxial PbTiO ₃ films by optical second harmonic generation. <i>Thin Solid Films</i> , 1998, 336, 291-294.	1.8	5
359	Nonlinear magneto-optical response from quantum well states in an Fe(001) wedge. <i>Surface Science</i> , 1998, 402-404, 356-359.	1.9	2
360	A new linear-optical tool for surface magnetism?. <i>Surface Science</i> , 1998, 402-404, 360-364.	1.9	4

#	ARTICLE	IF	CITATIONS
361	Nonlinear optical interferometry and second harmonic generation spectroscopy of Langmuir films of fullerene-indopane derivative. <i>Surface Science</i> , 1998, 402-404, 576-580.	1.9	8
362	Second harmonic generation study of quantum well states and interdiffusion in a Co/Rh multilayer. <i>IEEE Transactions on Magnetics</i> , 1998, 34, 855-857.	2.1	2
363	Interdiffusion and magnetism of the Co/Rh interface studied by magnetization induced second harmonic generation. <i>Applied Physics Letters</i> , 1998, 73, 3601-3603.	3.3	5
364	Amplified spontaneous emission spectroscopy on semiconductor optical amplifiers subject to active light injection. <i>Applied Physics Letters</i> , 1998, 72, 2936-2938.	3.3	5
365	Phase-sensitive detection technique for surface nonlinear optics. <i>Physical Review B</i> , 1998, 58, R16020-R16023.	3.2	37
366	Energy Conservation and the Manley-Rowe Relations in Surface Nonlinear-Optical Spectroscopy. <i>Physical Review Letters</i> , 1998, 81, 566-569.	7.8	20
367	Probing structure and magnetism of CoNi/Pt interfaces by nonlinear magneto-optics. <i>Applied Physics Letters</i> , 1998, 72, 2331-2333.	3.3	31
368	Theory for the nonlinear optical response of quantum-well states in ultrathin films. <i>Physical Review B</i> , 1998, 57, 7377-7384.	3.2	28
369	Anisotropic third-order magneto-optical Kerr effect. <i>Journal of Applied Physics</i> , 1998, 83, 6742-6744.	2.5	9
370	Confinement Effects on the Collective Excitations in Thin Nematic Films. <i>Physical Review Letters</i> , 1998, 80, 1232-1235.	7.8	37
371	Collective excitations in the vicinity of the SmA-SmC* $\uparrow\downarrow$ phase transition. <i>Ferroelectrics</i> , 1998, 212, 249-255.	0.6	2
372	Magnetic dipolium model of magnetization-induced surface second harmonic generation. <i>IEEE Transactions on Magnetics</i> , 1998, 34, 1048-1050.	2.1	2
373	Dynamic light scattering study of SmA-SmC* A transition in an antiferroelectric liquid crystal. , 1998, 3318, 118.		0
374	NONLINEAR MAGNETO-OPTICS:A NOVEL PROBE FOR MAGNETIC INTERFACES. <i>Journal of the Magnetics Society of Japan</i> , 1998, 22, S2_1-5.	0.4	5
375	Domain and domain wall contributions to optical second harmonic generation in thin magnetic films. <i>Journal of Applied Physics</i> , 1997, 81, 5668-5670.	2.5	11
376	Optical second harmonic generation studies of thin ferroelectric ceramic films. <i>Ferroelectrics</i> , 1997, 190, 143-148.	0.6	17
377	Observation of a Transversal Nonlinear Magneto-Optical Effect in Thin Magnetic Garnet Films. <i>Physical Review Letters</i> , 1997, 78, 2004-2007.	7.8	105
378	A combined nonlinear and linear magneto-optical microscopy. <i>Applied Physics Letters</i> , 1997, 70, 2306-2308.	3.3	76

#	ARTICLE	IF	CITATIONS
379	State-to-state Scattering of Metastable CO Molecules from a LiF(100) Surface. Physical Review Letters, 1997, 78, 1375-1378.	7.8	20
380	Macroscopic Size Effects in Second Harmonic Generation from Si(111) Coated by Thin Oxide Films: The Role of Optical Casimir Nonlocality. Physical Review Letters, 1997, 78, 46-49.	7.8	16
381	Theory of nonlinear magneto-optical imaging of magnetic domains and domain walls. Physical Review B, 1997, 56, 2680-2687.	3.2	51
382	Breaking of time-reversal symmetry probed by optical second-harmonic generation. Physical Review B, 1997, 55, R4925-R4930.	3.2	29
383	Interfaces contributions to the nonlinear magneto-optical response of quantum well states. Journal of Applied Physics, 1997, 81, 3919-3921.	2.5	2
384	Low temperature properties of incommensurate ferroelectrics (Pb _y Sn _{1-y}) ₂ P ₂ Se ₆ . Ferroelectrics, 1997, 202, 139-148.	0.6	3
385	State-to-state scattering of metastable CO molecules from a LiF (100) surface. Journal of Chemical Physics, 1997, 107, 252-261.	3.0	20
386	A spectroscopic study of the nonlinear magneto-optical response of garnets. Journal of Applied Physics, 1997, 81, 4631-4633.	2.5	5
387	Light Scattering by Thin Nematic Liquid Crystal Films. Molecular Crystals and Liquid Crystals, 1997, 304, 231-234.	0.3	1
388	Relative signs of the nonlinear coefficients of potassium titanyl phosphate. Applied Optics, 1997, 36, 5902.	2.1	20
389	Second harmonic generation study of quantum well states in thin noble metal overlayer films. Surface Science, 1997, 377-379, 409-413.	1.9	1
390	Coherent plasmon-phonon surface phonon oscillations in a GaAs Schottky barrier sample. Surface Science, 1997, 377-379, 355-359.	1.9	4
391	Crystallinity effect on the infrared-visible sum frequency generation in noble metals. Surface Science, 1997, 377-379, 414-417.	1.9	5
392	Second-harmonic generation spectroscopy and hyper-Rayleigh scattering in Langmuir-Blodgett films of fullerenes. Surface Science, 1997, 382, L696-L699.	1.9	10
393	Nonlinear magneto-optics. Journal of Magnetism and Magnetic Materials, 1997, 175, 35-50.	2.3	60
394	Coherent Plasmon-Phonon Oscillations in a GaAs Schottky Barrier Sample. Physica Status Solidi (B): Basic Research, 1997, 204, 91-94.	1.5	0
395	Scattering of vibrationally and electronically excited CO molecules from a LiF(100) surface. Chemical Physics Letters, 1997, 273, 147-152.	2.6	15
396	In situ characterization of SiO ₂ etching with second harmonic generation and ellipsometry. Surface Science, 1996, 352-354, 612-616.	1.9	4

#	ARTICLE	IF	CITATIONS
397	Time-resolved optical second harmonic generation study of the electric field dynamics at a metal-semiconductor interface. <i>Surface Science</i> , 1996, 352-354, 807-811.	1.9	4
398	Giant nonlinear magneto-optical Kerr effect from Fe interfaces. <i>Surface Science</i> , 1996, 352-354, 933-936.	1.9	4
399	Probing the silicon-silicon oxide interface of Si(111)-SiO ₂ -Cr MOS structures by DC-electric-field-induced second harmonic generation. <i>Surface Science</i> , 1996, 352-354, 1033-1037.	1.9	3
400	The nonlinear optical properties of Sn ₂ P ₂ S ₆ . <i>Ferroelectrics</i> , 1996, 183, 181-183.	0.6	19
401	Giant nonlinear magneto-optical Kerr effects from Fe interfaces (invited). <i>Journal of Applied Physics</i> , 1996, 79, 6181.	2.5	43
402	Thickness-dependent phase transition in thin nematic films. <i>Physical Review E</i> , 1996, 54, 5232-5234.	2.1	38
403	Giant nonlinear Kerr effects. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 156, 213-214.	2.3	5
404	Detection of picosecond electrical transients in a scanning tunneling microscope. <i>Physica B: Condensed Matter</i> , 1996, 218, 294-296.	2.7	4
405	Optical second-harmonic generation studies of thin lead-zirconate-titanate ferroelectric films. <i>Ferroelectrics</i> , 1996, 186, 215-218.	0.6	15
406	dc-electric-field-induced second-harmonic generation in Si(111)-SiO ₂ -Cr metal-oxide-semiconductor structures. <i>Physical Review B</i> , 1996, 54, 1825-1832.	3.2	73
407	Nonlinear magneto-optical Kerr effect study of quantum-well states in a Au overlayer on a Co(0001) thin film. <i>Journal of Applied Physics</i> , 1996, 79, 5632.	2.5	7
408	Effect of interface magnetic moments and quantum-well states on magnetization-induced second-harmonic generation. <i>Physical Review B</i> , 1996, 54, R2343-R2346.	3.2	8
409	Theory of light scattering by thin nematic liquid crystal films. <i>Physical Review E</i> , 1996, 53, 6085-6092.	2.1	23
410	Electric field induced second harmonic generation spectroscopy on a metal-oxide-silicon structure. <i>Applied Physics Letters</i> , 1996, 68, 1981-1983.	3.3	66
411	Nonlinear Magneto-Optical Response from Quantum Well States in Noble Metals: Double Period and Interface Localization. <i>Physical Review Letters</i> , 1996, 77, 4608-4611.	7.8	51
412	New optoelectronic tip design for ultrafast scanning tunneling microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 861.	1.6	22
413	Liquid-crystal monolayers in high magnetic fields: a second-harmonic generation study. <i>Physica B: Condensed Matter</i> , 1995, 204, 38-43.	2.7	4
414	Magnetization-induced optical second-harmonic generation from magnetic multilayers. <i>Physica B: Condensed Matter</i> , 1995, 204, 281-286.	2.7	47

#	ARTICLE	IF	CITATIONS
415	Order parameter dynamics near the Lifshitz point in a ferroelectric liquid crystal. Physica B: Condensed Matter, 1995, 211, 331-334.	2.7	3
416	Effect of linear polarisability and local fields on surface SHG. Solid State Communications, 1995, 93, 17-20.	1.9	12
417	Direct comparison of nonlinear and linear Kerr-effect measurements on thin Co films on Cu(001). Journal of Magnetism and Magnetic Materials, 1995, 148, 295-297.	2.3	20
418	Second harmonic generation and atomic force microscopy studies of porous silicon. Applied Physics Letters, 1995, 67, 1191-1193.	3.3	7
419	Freezing of the incommensurate modulation dynamics in $(\text{Pb}_{1-y}\text{Sn}_y)_2\text{P}_2\text{Se}_6$. Physical Review B, 1995, 51, 9325-9328.	3.2	6
420	Observation of Large Kerr Angles in the Nonlinear Optical Response from Magnetic Multilayers. Physical Review Letters, 1995, 74, 3692-3695.	7.8	145
421	Two-dimensional imaging of metastable CO molecules. Journal of Chemical Physics, 1995, 102, 1925-1933.	3.0	40
422	Interface Magnetism and Possible Quantum Well Oscillations in Ultrathin Co/Cu Films Observed by Magnetization Induced Second Harmonic Generation. Physical Review Letters, 1995, 74, 1462-1465.	7.8	139
423	FERROELECTRIC LIQUID CRYSTALS: FROM THE PLANE WAVE TO THE MULTISOLITON LIMIT. International Journal of Modern Physics B, 1995, 09, 2321-2362.	2.0	10
424	Nonlinear and linear Kerr studies of multilayers. Surface Science, 1995, 331-333, 1294-1298.	1.9	10
425	Oxide-thickness dependence of second harmonic generation from thick thermal oxides on Si(111). Surface Science, 1995, 331-333, 1367-1371.	1.9	7
426	Electric field dynamics at a metal-semiconductor interface probed by femtosecond optical second harmonic generation. Surface Science, 1995, 331-333, 1372-1376.	1.9	9
427	Second-harmonic generation from thick thermal oxides on Si(111): the influence of multiple reflections. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 33.	2.1	22
428	Determination of type I phase matching angles and conversion efficiency in KTP. Applied Optics, 1995, 34, 934.	2.1	5
429	Separation of interface and bulk contributions in second-harmonic generation from magnetic and non-magnetic multilayers. Applied Physics A: Materials Science and Processing, 1995, 60, 103-111.	2.3	23
430	Magnetic field induced second harmonic generation. Ferroelectrics, 1994, 162, 217-221.	0.6	5
431	Phasons and broken symmetries in ferroelectric liquid crystals. Physical Review B, 1994, 49, 9299-9311.	3.2	8
432	Magnetization-induced optical second-harmonic generation: A probe for interface magnetism. Physical Review B, 1994, 50, 1282-1285.	3.2	78

#	ARTICLE	IF	CITATIONS
433	Studies of buried interfaces by optical second-harmonic generation. Applied Physics A: Solids and Surfaces, 1994, 59, 531-536.	1.4	27
434	The role of charge carriers in the memory effect in the incommensurate phase of the semiconducting ferroelectric Sn ₂ P ₂ Se ₆ . Journal of Physics Condensed Matter, 1994, 6, 11211-11220.	1.8	8
435	Dynamics of Protein-Surfactant Exchange at the Air-Water Interface Studied by Optical Second Harmonic Generation and Ellipsometry. Langmuir, 1994, 10, 4498-4502.	3.5	17
436	Second harmonic generation from thin slabs in the discrete dipole approach. Solid State Communications, 1993, 85, 233-237.	1.9	19
437	Interface magnetism studied by optical second harmonic generation. Journal of Magnetism and Magnetic Materials, 1993, 121, 109-111.	2.3	62
438	Fluctuation effects on the thermal expansion of the incommensurate crystal Sn ₂ P ₂ Se ₆ . Journal of Physics Condensed Matter, 1993, 5, 6023-6028.	1.8	9
439	Study of the step structure of vicinal Si(110) surfaces using optical second harmonic generation. Surface Science, 1993, 287-288, 703-707.	1.9	19
440	Optical second harmonic generation study of interface magnetism. Surface Science, 1993, 287-288, 747-749.	1.9	41
441	Elementary excitations in ferroelectric and antiferroelectric liquid crystals in external fields: An experimental study. Ferroelectrics, 1993, 147, 77-90.	0.6	0
442	Magnetic-field-induced biaxiality in an antiferroelectric liquid crystal. Physical Review E, 1993, 47, 1094-1100.	2.1	11
443	Gapless phason in an antiferroelectric liquid crystal. Physical Review Letters, 1993, 71, 1180-1183.	7.8	35
444	Phason dispersion and magnetic-field-induced band gap in a ferroelectric liquid crystal. Physical Review Letters, 1992, 68, 1850-1853.	7.8	15
445	Study of surface electronic structure of Si(111)-Ga by resonant optical second harmonic generation. Surface Science, 1992, 269-270, 849-853.	1.9	23
446	Ferroelectric liquid crystals in high magnetic fields. Physica B: Condensed Matter, 1992, 177, 497-504.	2.7	4
447	Observation of magnetically induced changes in the phason band structure in a ferroelectric liquid crystal. Physica B: Condensed Matter, 1992, 177, 511-515.	2.7	3
448	Optical second harmonic generation from the Si(111)-Ga interface. Applied Surface Science, 1992, 56-58, 453-456.	6.1	21
449	Optical second harmonic generation study of vicinal Si(111) surfaces. Surface Science, 1991, 251-252, 467-471.	1.9	33
450	Adsorption phenomenon of lightly sulfonated polymers on a solid substrate surface. Macromolecules, 1991, 24, 319-321.	4.8	2

#	ARTICLE	IF	CITATIONS
451	Characterization of the Si(111)-Ga interface using optical second-harmonic generation. <i>Journal of Physics Condensed Matter</i> , 1991, 3, S193-S198.	1.8	1
452	Vicinal Si(111) surfaces studied by optical second-harmonic generation: Step-induced anisotropy and surface-bulk discrimination. <i>Physical Review B</i> , 1990, 42, 9263-9266.	3.2	77
453	In situdetermination of induced dipole moments of pure and membrane-bound retinal chromophores. <i>Physical Review A</i> , 1989, 40, 1684-1687.	2.5	25
454	Laser-induced thermal desorption of CO on Ni(111): Determination of pre-exponential factor and heat of desorption. <i>Chemical Physics Letters</i> , 1989, 155, 459-462.	2.6	18
455	Polymer concentration profile near a liquid-solid interface: evanescent wave ellipsometry study. <i>Macromolecules</i> , 1989, 22, 2682-2685.	4.8	19
456	Surface Diffusion of Co on Ni(111) Studied by Diffraction of Optical Second-harmonic Generation off a Monolayer Grating. <i>Physical Review Letters</i> , 1988, 61, 2883-2885.	7.8	165
457	Orientation of molecular monolayers at the liquid-liquid interface as studied by optical second harmonic generation. <i>Langmuir</i> , 1988, 4, 452-454.	3.5	143
458	Adsorption kinetics of surfactant molecules at a liquid-air interface. <i>Journal of Chemical Physics</i> , 1988, 89, 3386-3387.	3.0	35
459	Ellipsometry study of two-dimensional phase transitions. <i>Physical Review A</i> , 1988, 37, 2732-2735.	2.5	29
460	Second harmonic generation from Langmuir-Blodgett films of retinal and retinal Schiff bases. <i>The Journal of Physical Chemistry</i> , 1988, 92, 1756-1759.	2.9	41
461	Polar ordering of quasiliquid crystals-An optical second harmonic generation study. <i>Journal of Chemical Physics</i> , 1987, 87, 3127-3130.	3.0	11
462	Second-order nonlinear polarizability of various biphenyl derivatives. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987, 4, 945.	2.1	57
463	Study of monolayer polymerization using nonlinear optics. <i>Journal of Chemical Physics</i> , 1986, 85, 7374-7376.	3.0	40
464	A novel method for measurements of second-order non-linearities of organic molecules. <i>Chemical Physics Letters</i> , 1986, 130, 1-5.	2.6	90
465	Wall-Induced Orientational Order of a Liquid Crystal in the Isotropic Phase-an Evanescent-Wave-Ellipsometry Study. <i>Physical Review Letters</i> , 1986, 57, 3065-3068.	7.8	90
466	Raman and infrared spectra of the incommensurate crystal Na ₂ CO ₃ . <i>Physical Review B</i> , 1986, 34, 4240-4254.	3.2	33
467	Soliton density in Rb ₂ ZnBr ₄ . <i>Physical Review B</i> , 1986, 33, 1721-1726.	3.2	20
468	Orientation of surfactant molecules at a liquid-air interface measured by optical second-harmonic generation. <i>Physical Review A</i> , 1985, 31, 537-539.	2.5	137

#	ARTICLE	IF	CITATIONS
469	Observation of molecular reorientation at a two-dimensional-liquid phase transition. Physical Review Letters, 1985, 55, 2903-2906.	7.8	151
470	New Electronic Levels in the Incommensurate Crystal Rb_2ZnBr_4 . Physical Review Letters, 1984, 53, 388-390.	7.8	11
471	Raman and far infrared spectroscopy of the incommensurate structure Na_2CO_3 . Ferroelectrics, 1984, 53, 285-288.	0.6	6
472	Experimental investigation of 4-dimensional superspace crystals. Ferroelectrics, 1984, 53, 301-304.	0.6	3
473	Local-field enhancement on rough surfaces of metals, semimetals, and semiconductors with the use of optical second-harmonic generation. Physical Review B, 1984, 30, 519-526.	3.2	284
474	Dielectric study of the modulated smectic C^* to uniform smectic C transition in a magnetic field. Physica Status Solidi (B): Basic Research, 1983, 119, 727-733.	1.5	15
475	Observation of Bands of Faces on Incommensurate Rb_2ZnBr_4 Single Crystals. Physical Review Letters, 1983, 50, 849-852.	7.8	18
476	Far-infrared and Raman studies of the incommensurate structure Rb_2ZnBr_4 . (A superspace approach). Physical Review B, 1982, 25, 7504-7519.	3.2	38
477	Phase Diagram of a Ferroelectric Chiral Smectic Liquid Crystal near the Lifshitz Point. Physical Review Letters, 1982, 48, 192-195.	7.8	94
478	^{87}Rb nuclear magnetic resonance evidence for solitons and phasons in Rb_2ZnBr_4 . Physical Review B, 1982, 25, 281-289.	3.2	39
479	Evidence of superspace selection rules in incommensurate structures by Raman spectroscopy on Rb_2ZnBr_4 . Solid State Communications, 1982, 41, 715-718.	1.9	11
480	Temperature dependence of the static dielectric constant of Rb_2ZnBr_4 : Solitons in a modulated structure?. Solid State Communications, 1981, 39, 433-437.	1.9	21
481	Pair breaking in strong-coupling superconductors. Physical Review B, 1981, 23, 4470-4475.	3.2	12
482	^{87}Rb NMR lineshape study of the incommensurate phase in Rb_2ZnBr_4 . Solid State Communications, 1980, 34, 895-898.	1.9	37
483	Evidence for soft modes at $\omega = 0$ in the far-infrared spectrum of Rb_2ZnBr_4 . Solid State Communications, 1980, 35, 229-232.	1.9	11
484	Identification of Satellite Faces on Single Crystals of the Incommensurate Structures Rb_2ZnBr_4 and Rb_2ZnCl_4 . Physical Review Letters, 1980, 45, 1700-1702.	7.8	40
485	Temperature dependence of the far infrared transmission of the modulated structure Rb_2ZnBr_4 . Ferroelectrics, 1980, 26, 707-710.	0.6	13
486	Capability of hybrid recording towards terabits/in ² and tera bps write speed. , 0, , .		0

#	ARTICLE	IF	CITATIONS
487	Picosecond coherent magnetisation reversal by magnetic field pulse shaping. , 0, , .		0