

Peter GÃ¼nter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10556330/publications.pdf>

Version: 2024-02-01

214
papers

8,493
citations

44069

48
h-index

54911

84
g-index

216
all docs

216
docs citations

216
times ranked

5417
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-Broadband and High-Dynamic-Range THz Time-Domain Spectroscopy System Based on Organic Crystal Emitter and Detector in Transmission and Reflection Geometry. <i>Advanced Photonics Research</i> , 2021, 2, 2000098.	3.6	13
2	Molecular crystals and thin films for photonics. , 2019, , 177-210.		1
3	Terahertz Time-Domain Spectroscopy up to 20 THz Based on Organic Electro-Optic Crystals. , 2019, , .		0
4	Phonon Modes of Organic Electro-Optic Molecular Crystals for Terahertz Photonics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10031-10039.	3.1	20
5	Running electric field gratings for detection of coherent radiation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1078.	2.1	11
6	Silicon-Organic Hybrid Electro-Optical Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 114-126.	2.9	134
7	Co-crystal structure selection of nonlinear optical analogue polyenes. <i>CrystEngComm</i> , 2012, 14, 4306.	2.6	19
8	Rotational Isomerism of Phenylthiolated Chromophores with Large Variation of Optical Nonlinearity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25034-25043.	3.1	5
9	A new stilbazolium salt with perfectly aligned chromophores for second-order nonlinear optics: 4-N,N-Dimethylamino-4'-N-methyl-stilbazolium 3-carboxy-4-hydroxybenzenesulfonate. <i>Dyes and Pigments</i> , 2012, 94, 120-126.	3.7	39
10	Highly Efficient Organic THz Generator Pumped at Near-Infrared: Quinolinium Single Crystals. <i>Advanced Functional Materials</i> , 2012, 22, 200-209.	14.9	103
11	Acentric nonlinear optical N-benzyl stilbazolium crystals with high environmental stability and enhanced molecular nonlinearity in solid state. <i>CrystEngComm</i> , 2011, 13, 444-451.	2.6	80
12	Integrated electro-optic devices of melt-processable single-crystalline organic films. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
13	The influence of pyrrole linked to the π -conjugated polyene on crystal characteristics and polymorphism. <i>Dyes and Pigments</i> , 2010, 86, 149-154.	3.7	9
14	First hyperpolarizability orientation in asymmetric pyrrole-based polyene chromophores. <i>Dyes and Pigments</i> , 2010, 85, 162-170.	3.7	40
15	Hybrid organic crystal/silicon-on-insulator integrated electro-optic modulators. , 2010, , .		3
16	Organic electro-optic single crystalline films for integrated optics. , 2010, , .		2
17	Microring Resonators and Photonic Crystal Structures in Ion-Sliced LiNbO ₃ Thin Films. , 2010, , .		0
18	Free-Standing Lithium Niobate Microring Resonators for Hybrid Integrated Optics. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 251-253.	2.5	16

#	ARTICLE	IF	CITATIONS
19	Optical phase conjugation of picosecond pulses at 1064 nm in Sn ₂ P ₂ S ₆ :Te for wavefront correction in high-power Nd-doped amplifier systems. Optics Express, 2010, 18, 87.	3.4	10
20	High-density integrated optics in ion-sliced lithium niobate thin films. Proceedings of SPIE, 2010, , .	0.8	2
21	Crystal Growth and Morphology Control of OH1 Organic Electrooptic Crystals. Crystal Growth and Design, 2010, 10, 1552-1558.	3.0	71
22	Organic electro-optic crystalline materials for highly integrated photonic circuits. , 2010, , .		0
23	Velocity-matched terahertz generation by optical rectification in an organic nonlinear optical crystal using a Ti:sapphire laser. Applied Physics Letters, 2009, 94, 061119.	3.3	24
24	Optical phase conjugation of ps pulses at 1.06 μm in Sn ₂ P ₂ S ₆ :Te for aberration corrections of high-power Nd-doped amplifiers. , 2009, , .		0
25	High-efficiency terahertz generation in hydrogen-bonded organic nonlinear optical crystals. , 2009, , .		1
26	Electro-optically active microring resonators in lithium niobate. , 2009, , .		3
27	Photonic crystal structures in ion-sliced LiNbO ₃ thin films. , 2009, , .		0
28	Electro-optic modulation in high-efficiency crystalline OH1 optical waveguides. , 2009, , .		1
29	High efficiency terahertz generation and detection in the organic nonlinear optical crystal OH1. , 2009, , .		0
30	Ion-sliced lithium niobate thin films for active photonic devices. Optical Materials, 2009, 31, 1054-1058.	3.6	140
31	UV integrated optics devices based on beta-barium borate. Optical Materials, 2009, 31, 1049-1053.	3.6	16
32	Large-Area Organic Electro-optic Single Crystalline Thin Films Grown by Evaporation-Induced Local Supersaturation with Surface Interactions. Crystal Growth and Design, 2009, 9, 2512-2516.	3.0	26
33	Photorefractive waveguides in He ⁺ implanted pure and Te-doped Sn ₂ P ₂ S ₆ . Journal of the Optical Society of America B: Optical Physics, 2009, 26, 444.	2.1	3
34	Electro-optic tuning and modulation of single-crystalline organic microring resonators. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1103.	2.1	22
35	Fast dynamic waveguides and waveguide arrays in photorefractive Sn ₂ P ₂ S ₆ induced by visible light. Optics Express, 2009, 17, 379.	3.4	9
36	Photonic crystal structures in ion-sliced lithium niobate thin films. Optics Express, 2009, 17, 20291.	3.4	65

#	ARTICLE	IF	CITATIONS
37	A terahertz time-domain spectrometer for simultaneous transmission and reflection measurements at normal incidence. <i>Optics Express</i> , 2009, 17, 20684.	3.4	24
38	Optical Nonlinearities and Molecular Conformations in Thiophene-Based Hydrazone Crystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15405-15411.	3.1	16
39	Large-Size Pyrrolidine-Based Polyene Single Crystals Suitable for Terahertz Wave Generation. <i>Crystal Growth and Design</i> , 2009, 9, 5003-5005.	3.0	15
40	Influence of phenolic hydroxyl groups on second-order optical nonlinearity at an example of 2,4- and 3,4-dihydroxyl hydrazone isomorphous crystals. <i>Journal of Chemical Physics</i> , 2009, 130, 134708.	3.0	30
41	Crystal engineering by eliminating weak hydrogen bonding sites in phenolic polyene nonlinear optical crystals. <i>CrystEngComm</i> , 2009, 11, 1541.	2.6	24
42	High-resolution laser lithography system based on two-dimensional acousto-optic deflection. <i>Review of Scientific Instruments</i> , 2009, 80, 085105.	1.3	17
43	Single-crystalline organic electro-optic microring filters and modulators. , 2009, , .		0
44	Organic Electro-Optic Single-Crystalline Waveguide Modulators, Microresonators and Nanowires Fabricated by Melt Capillary Growth. , 2009, , .		0
45	Organic Phenolic Configurationally Locked Polyene Single Crystals for Electro-optic and Terahertz Wave Applications. <i>Advanced Functional Materials</i> , 2008, 18, 3242-3250.	14.9	142
46	New nonlinear optical polyamides: Influence of binding mode of side-chains and rigidity of main-chains on temporal stability. <i>European Polymer Journal</i> , 2008, 44, 2219-2224.	5.4	4
47	Photochemical stability of nonlinear optical chromophores in polymeric and crystalline materials. <i>Journal of Chemical Physics</i> , 2008, 128, 124713.	3.0	46
48	Configurationally locked, phenolic polyene organic crystal 2-{3-(4-hydroxystyryl)-5,5-dimethylcyclohex-2-enylidene}malononitrile: linear and nonlinear optical properties. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1678.	2.1	73
49	Extremely large nonresonant second-order nonlinear optical response in crystals of the stilbazolium salt DAPSH. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1786.	2.1	42
50	Optical properties of 4-N,N-dimethylamino-4'-N'-methyl-stilbazolium 2,4,6-trimethylbenzenesulfonate crystals at terahertz frequencies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1914.	2.1	89
51	Electro-optic Charon polymeric microring modulators. <i>Optics Express</i> , 2008, 16, 613.	3.4	35
52	Electro-optic and nonlinear optical properties of ion implanted waveguides in organic crystals. <i>Optics Express</i> , 2008, 16, 731.	3.4	27
53	Optical microring resonators in fluorine implanted lithium niobate. <i>Optics Express</i> , 2008, 16, 8769.	3.4	36
54	Electro-optic single-crystalline organic waveguides and nanowires grown from the melt. <i>Optics Express</i> , 2008, 16, 11310.	3.4	36

#	ARTICLE	IF	CITATIONS
55	Double phase conjugate mirror using Sn ₂ P ₂ S ₆ for injection locking of a laser diode bar. Optics Express, 2008, 16, 15415.	3.4	10
56	Fabrication and phase modulation in organic single-crystalline configurationally locked, phenolic polyene OH1 waveguides. Optics Express, 2008, 16, 15903.	3.4	20
57	A hydrogen-bonded organic nonlinear optical crystal for high-efficiency terahertz generation and detection. Optics Express, 2008, 16, 16496.	3.4	149
58	Light deflection and modulation through dynamic evolution of photoinduced waveguides. Optics Express, 2008, 16, 16646.	3.4	6
59	Pyrrole-Based Hydrazone Organic Nonlinear Optical Crystals and Their Polymorphs. Crystal Growth and Design, 2008, 8, 4021-4025.	3.0	40
60	Crystal Growth of DAST. Crystal Growth and Design, 2008, 8, 4173-4184.	3.0	102
61	Highly Nonlinear Optical Configurationally Locked Triene Crystals Based on 3,5-Dimethyl-2-cyclohexen-1-one. Journal of Physical Chemistry C, 2008, 112, 7846-7852.	3.1	57
62	Electro-optical microring resonators in epitaxial crystalline organic and ion sliced inorganic materials. , 2008, , .		0
63	Direct electron-beam structuring of optical waveguides in organic electro-optic crystals. , 2008, , .		0
64	Electro-Optic polymer microring resonators based on Charon coupler design. , 2008, , .		0
65	Coherent detection of terahertz pulses based on two-photon absorption in a photodiode. Applied Physics Letters, 2007, 90, 121125.	3.3	11
66	Coherent detection of few-cycle terahertz pulses with a minimum number of optical elements. , 2007, , .		0
67	Improved emission and coherent detection of few-cycle terahertz transients using laser pulses at 1.5 μ m. , 2007, 6582, 174.		5
68	Two-step photolithographic technique for laterally coupled hybrid polymer microring resonators. , 2007, , .		0
69	High-speed photorefractive at telecommunication wavelength 155 μ m in Sn ₂ P ₂ S ₆ :Te. Optics Letters, 2007, 32, 3230.	3.3	24
70	Epitaxial K _{1-x} Na _x Ta _{0.66} Nb _{0.34} O ₃ thin films for optical waveguiding applications. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 829.	2.1	6
71	Tailoring of infrared photorefractive properties of Sn ₂ P ₂ S ₆ crystals by Te and Sb doping. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1535.	2.1	59
72	Photostability studies of π -conjugated chromophores with resonant and nonresonant light excitation for long-life polymeric telecommunication devices. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2199.	2.1	37

#	ARTICLE	IF	CITATIONS
73	Linear and nonlinear optical properties of the organic crystal DSTMS. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 2556.	2.1	105
74	Ion implanted optical waveguides in nonlinear optical organic crystal. Optics Express, 2007, 15, 629.	3.4	26
75	Electro-optic phase modulation in ridge waveguides of epitaxial K _{0.95} Na _{0.05} Ta _{0.71} Nb _{0.29} O ₃ thin films. Optics Express, 2007, 15, 7642.	3.4	2
76	Direct electron beam writing of channel waveguides in nonlinear optical organic crystals. Optics Express, 2007, 15, 16828.	3.4	38
77	Molecular Engineering of Stilbazolium Derivatives for Second-Order Nonlinear Optics. Chemistry of Materials, 2007, 19, 3512-3518.	6.7	107
78	Highly ordered thin films of a bis(dithienothiophene) derivative. Journal of Materials Chemistry, 2007, 17, 4972.	6.7	29
79	Photorefractive Effects in KNbO ₃ . , 2007, , 205-240.		2
80	New Organic Nonlinear Optical Verbenone-Based Triene Crystal for Terahertz Applications. Crystal Growth and Design, 2007, 7, 2517-2521.	3.0	28
81	Electro-optically Tunable Microring Resonators Based on Single-Crystalline LiNbO ₃ Thin Films. , 2007, , .		0
82	Synthesis, Crystal Structure, and Second-Order Nonlinear Optical Properties of New Stilbazolium Salts. Crystal Growth and Design, 2007, 7, 83-86.	3.0	46
83	Polymorphism, crystal growth and characterization of an organic nonlinear optical material: DAPSH. CrystEngComm, 2007, 9, 772.	2.6	36
84	High-Quality Organic Single Crystalline Thin Films for Nonlinear Optical Applications by Vapor Growth. Crystal Growth and Design, 2007, 7, 402-405.	3.0	27
85	Determination of the refractive index over a wide wavelength range through time-delay measurements of femtosecond pulses. Optics Communications, 2007, 275, 354-358.	2.1	7
86	Polar ordering of linear rod-like polyamide with different linking structure of nonlinear optical chromophores. Optical Materials, 2007, 29, 833-839.	3.6	3
87	Electro-optically tunable microring resonators in lithium niobate. Nature Photonics, 2007, 1, 407-410.	31.4	478
88	Light-Induced Dynamic and Quasi-Fixed Waveguides in Mg-doped Near-Stoichiometric LiTaO ₃ . , 2007, , .		0
89	Photorefractive Properties and Applications of Doped Sn ₂ P ₂ S ₆ Crystals in the Near Infrared. , 2007, , .		0
90	Organic Photorefractive Materials Based on Mesophase Photoconductive Polymers. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
91	Backward beam fanning in organic photorefractive devices. Applied Physics Letters, 2006, 89, 021905.	3.3	4
92	Synthesis and crystal structure of a new stilbazolium salt with large second-order optical nonlinearity. Journal of Materials Chemistry, 2006, 16, 2839-2842.	6.7	121
93	Organic Nonlinear Optical Crystals Based on Configurationally Locked Polyene for Melt Growth. Chemistry of Materials, 2006, 18, 4049-4054.	6.7	105
94	Te-doped Sn ₂ P ₂ S ₆ : A new material for fast photorefractive applications at 1.06 μm. , 2006, , .		0
95	Electro-optical properties of near-stoichiometric and congruent lithium tantalate at ultraviolet wavelengths. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 276.	2.1	34
96	Interband photorefraction in Sn ₂ P ₂ S ₆ at visible wavelengths. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1620.	2.1	10
97	Generation of terahertz pulses through optical rectification in organic DAST crystals: theory and experiment. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1822.	2.1	361
98	Optical waveguides in Sn ₂ P ₂ S ₆ by low fluence MeV He ⁺ ion implantation. Optics Express, 2006, 14, 2344.	3.4	10
99	High efficiency generation and detection of terahertz pulses using laser pulses at telecommunication wavelengths. Optics Express, 2006, 14, 5376.	3.4	104
100	Deep UV light induced, fast reconfigurable and fixed waveguides in Mg doped LiTaO ₃ . Optics Express, 2006, 14, 8278.	3.4	16
101	Measurement of the terahertz-induced phase shift in electro-optic sampling for an arbitrary biasing phase. Applied Optics, 2006, 45, 6598.	2.1	8
102	Morphology and Polymorphism Control of Organic Polyene Crystals by Tailor-made Auxiliaries. Crystal Growth and Design, 2006, 6, 2327-2332.	3.0	38
103	Band-to-Band Photorefraction. , 2006, , 203-230.		2
104	Growth and characterization of reduced and unreduced Rh doped potassium niobate single crystals. Journal of Crystal Growth, 2006, 297, 87-94.	1.5	6
105	Nonlinear optical co-crystal of analogous polyene chromophores with tailored physical properties. Chemical Communications, 2006, , 3729-3731.	4.1	22
106	Layered photoconductive polymers: Anisotropic morphology and correlation with photorefractive reflection grating response. Journal of Chemical Physics, 2006, 124, 104705.	3.0	7
107	Optical Waveguides in Sn ₂ P ₂ S ₆ : by low fluence MeV He ⁺ ion implantation. , 2006, , .		0
108	Singlet excimer electroluminescence within N,N'-di-1-naphthalenyl-N,N'-diphenyl-[1,1'-biphenyl]-4,4'-diamine based diodes. Applied Physics Letters, 2006, 89, 041914.		10

#	ARTICLE	IF	CITATIONS
109	Optical waveguides in the highly nonlinear optical organic crystal DAST produced by ion implantation and fs ablation. , 2006, , .		0
110	Nematic-like mesophase photoconductive polymer for photorefractive applications. Polymer, 2005, 46, 10301-10310.	3.8	9
111	High performance reflection gratings in nematiclike photorefractive polymers. Applied Physics Letters, 2005, 87, 121910.	3.3	3
112	Wavelength dependence of visible and near-infrared photorefraction and phase conjugation in Sn ₂ P ₂ S ₆ . Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2459.	2.1	41
113	Self Pumped Optical Phase Conjugation at 1.06 μm in Te-doped Sn ₂ P ₂ S ₆ . Optics Express, 2005, 13, 9890.	3.4	23
114	Nondestructive method for the characterization of ion-implanted waveguides. Optics Letters, 2005, 30, 2412.	3.3	7
115	High-gain photorefractive reflection gratings in layered photoconductive polymers. Applied Physics Letters, 2004, 84, 43-45.	3.3	25
116	Terahertz-induced lensing and its use for the detection of terahertz pulses in a birefringent crystal. Applied Physics Letters, 2004, 84, 2229-2231.	3.3	92
117	Sub-millisecond interband photorefraction in magnesium doped lithium tantalate. Optics Communications, 2004, 234, 131-136.	2.1	10
118	Synthesis and properties of a ROMP backbone polymer with efficient, laterally appended nonlinear optical chromophores. Journal of Materials Chemistry, 2004, 14, 292-295.	6.7	22
119	Optical and electro-optical properties of submicrometer lithium niobate slab waveguides prepared by crystal ion slicing and wafer bonding. Applied Physics Letters, 2004, 85, 4603-4605.	3.3	183
120	GROWTH AND PLANAR STRUCTURING OF DAST CRYSTALS FOR OPTICAL APPLICATIONS. Journal of Nonlinear Optical Physics and Materials, 2004, 13, 559-567.	1.8	3
121	Nonlinear Organic Materials For VLSI Photonics. AIP Conference Proceedings, 2004, , .	0.4	11
122	Deep-ultraviolet interband photorefraction in lithium tantalate. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 632.	2.1	21
123	Nonlinear optical and structural properties of noncentrosymmetric organic thin films obtained by oblique incidence molecular beam deposition. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 685.	2.1	2
124	Optimized generation of THz pulses via optical rectification in the organic salt DAST. Optics Communications, 2003, 224, 337-341.	2.1	39
125	Photobleaching and optical properties of organic crystal 4-N, N-dimethylamino-4- ϵ -methyl stilbazolium tosylate. Journal of Applied Physics, 2003, 94, 1356-1361.	2.5	41
126	Birth of solitons in quadratic spatial soliton collisions. Optics Letters, 2003, 28, 1037.	3.3	0

#	ARTICLE	IF	CITATIONS
127	Fast near-infrared self-pumped phase conjugation with photorefractive Sn ₂ P ₂ S ₆ . Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1241.	2.1	43
128	Highly efficient photorefractive composites based on layered photoconductive polymers. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2307.	2.1	14
129	Complex soliton-like pattern generation in Potassium Niobate due to noisy, high intensity, input beams. Optics Express, 2003, 11, 2206.	3.4	4
130	GENERATION OF, AND INTERACTIONS BETWEEN, QUADRATIC SPATIAL SOLITONS IN NON-CRITICALLY-PHASE-MATCHED CRYSTALS. Journal of Nonlinear Optical Physics and Materials, 2003, 12, 447-466.	1.8	3
131	Rainbow Photonics: Growth of Nonlinear Optical DAST Crystals. Chimia, 2003, 57, 349-351.	0.6	13
132	Stereochemical Effects in Supramolecular Self-Assembly at Surfaces: 1-D versus 2-D Enantiomorphic Ordering for PVBA and PEBA on Ag(111). Journal of the American Chemical Society, 2002, 124, 7991-8000.	13.7	210
133	Two-dimensional type I quadratic spatial solitons in KNbO ₃ near noncritical phase matching. Optics Letters, 2002, 27, 631.	3.3	24
134	Effects of anisotropic diffraction on quadratic multisoliton excitation in noncritically phase-matched crystals. Optics Letters, 2002, 27, 1049.	3.3	21
135	Novel Extended Tetrathiafulvalenes Based on Acetylenic Spacers: Synthesis and Electronic Properties. Chemistry - A European Journal, 2002, 8, 3601.	3.3	60
136	Organic thin film crystal growth for nonlinear optics: present methods and exploratory developments. Comptes Rendus Physique, 2002, 3, 449-462.	0.9	37
137	Microscopic nonlinearities of two-component organic crystals. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1620.	2.1	41
138	Self-Assembly Growth of Organic Thin Films and Nanostructures by Molecular Beam Deposition. ACS Symposium Series, 2001, , 34-49.	0.5	3
139	Impurity-gas-dependent charge injection properties at the electrode-organic interface in organic light-emitting diodes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 85, 144-148.	3.5	16
140	Pt-Tetraethynylethene Molecular Scaffolding: Synthesis and Characterization of a Novel Class of Organometallic Molecular Rods. Chemistry - A European Journal, 2001, 7, 1333-1341.	3.3	59
141	Highly Functionalized Dimeric Tetraethynylethenes and Expanded Radialenes: Strong Evidence for Macrocyclic Cross-Conjugation. Chemistry - A European Journal, 2001, 7, 3263-3280.	3.3	84
142	Building Supramolecular Nanostructures at Surfaces by Hydrogen Bonding. Angewandte Chemie - International Edition, 2000, 39, 1230-1234.	13.8	365
143	Monodisperse Poly(triacetylene) Oligomers Extending from Monomer to Hexadecamer: Joint Experimental and Theoretical Investigation of Physical Properties. Chemistry - A European Journal, 2000, 6, 3622-3635.	3.3	56
144	Synthesis and Physical Investigation of Donor-Donor and Acceptor-Acceptor End-Functionalized Monodisperse Poly(triacetylene) Oligomers. Chemistry - A European Journal, 2000, 6, 4400-4412.	3.3	33

#	ARTICLE	IF	CITATIONS
145	DAST a high optical nonlinearity organic crystal. <i>Synthetic Metals</i> , 2000, 109, 19-22.	3.9	60
146	Interface dependent electrical properties of organic light emitting devices in ultra high vacuum. <i>Synthetic Metals</i> , 2000, 111-112, 307-310.	3.9	8
147	Stoichiometric LiTaO ₃ for Dynamic Holography in Near UV Wavelength Range. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 1816-1819.	1.5	24
148	In-plane alignment of noncentrosymmetric molecules by oblique-incidence molecular beam deposition. <i>Applied Physics Letters</i> , 1999, 74, 3110-3112.	3.3	10
149	Film thickness measurement and linear dichroism of organic thin films prepared by molecular beam deposition at oblique incidence. <i>Optical Materials</i> , 1999, 12, 345-350.	3.6	7
150	Elongated push-pull diphenylpolyenes for nonlinear optics: molecular engineering of quadratic and cubic optical nonlinearities via tuning of intramolecular charge transfer. <i>Chemical Physics</i> , 1999, 245, 51-71.	1.9	92
151	Nonlinear optical organic co-crystals of merocyanine dyes and phenolic derivatives with short hydrogen bonds. <i>Chemical Physics</i> , 1999, 245, 377-394.	1.9	31
152	Ordering of PVBA on amorphous SiO ₂ and Pd(110). <i>Thin Solid Films</i> , 1999, 343-344, 171-174.	1.8	5
153	Oblique Incidence Organic Molecular Beam Deposition and Nonlinear Optical Properties of Organic Thin Films with a Stable In-Plane Directional Order. <i>Advanced Materials</i> , 1999, 11, 745-749.	21.0	34
154	Model for In-Plane Directional Ordering of Organic Thin Films by Oblique Incidence Organic Molecular Beam Deposition. <i>Advanced Materials</i> , 1999, 11, 750-754.	21.0	26
155	Highly polar molecular crystals for electro-optic applications. <i>Ferroelectrics</i> , 1999, 223, 345-355.	0.6	1
156	Donor-Acceptor-Substituted Phenylethenyl Bithiophenes: A Highly Efficient and Stable Nonlinear Optical Chromophores. <i>Organic Letters</i> , 1999, 1, 1847-1849.	4.6	109
157	Organic Materials for Second-Order Nonlinear Optics. , 1999, , 261-278.		11
158	Highly polarizable chromophores for nonlinear optics: syntheses, structures and properties of donor-acceptor substituted thiophenes and oligothiophenes. <i>Tetrahedron</i> , 1998, 54, 8469-8480.	1.9	51
159	Novel, Highly Nonlinear Optical Molecular Crystals Based on Multidonor-Substituted 4-Nitrophenylhydrazones. <i>Advanced Materials</i> , 1998, 10, 777-782.	21.0	29
160	Controlled reduction of Fe-doped KNbO ₃ by proton-irradiation. <i>Optics Communications</i> , 1998, 153, 375-386.	2.1	7
161	One- and Two-Dimensionally Conjugated Tetraethynylethenes: A Structure versus Second-Order Optical Polarizabilities. <i>Journal of Physical Chemistry B</i> , 1998, 102, 29-32.	2.6	45
162	Main-Chain Nonlinear Optical Polymers with Enhanced Orientational Stability. <i>Macromolecules</i> , 1998, 31, 7676-7681.	4.8	22

#	ARTICLE	IF	CITATIONS
163	Self-Assembly in Ultrahigh Vacuum: Growth of Organic Thin Films with a Stable In-Plane Directional Order. <i>Journal of the American Chemical Society</i> , 1998, 120, 8563-8564.	13.7	44
164	Relaxation Processes in Nonlinear Optical Polymers: A Comparative Study. <i>Macromolecules</i> , 1998, 31, 1947-1957.	4.8	20
165	Novel electro-optic molecular cocrystals with ideal chromophoric orientation and large second-order optical nonlinearities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 426.	2.1	51
166	Mode propagation losses in He ⁺ ion-implanted KNbO ₃ waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 628.	2.1	22
167	Structure-Property Relationships in Third-Order Nonlinear Optical Chromophores. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4451-4465.	2.6	249
168	Linear and nonlinear optical properties of KNbO ₃ ridge waveguides. <i>Journal of Applied Physics</i> , 1998, 84, 1186-1195.	2.5	17
169	Birefringence phase-matched blue light second-harmonic generation in a KNbO ₃ ridge waveguide. <i>Applied Physics Letters</i> , 1998, 72, 2364-2366.	3.3	16
170	Characterization of the bipolar mobility in polar materials by interband photoexcitation. <i>Physical Review B</i> , 1997, 56, 12196-12200.	3.2	9
171	Charge Carrier Photoexcitation and Two-Wave Mixing in Dichroic Materials. <i>Physical Review Letters</i> , 1997, 79, 3403-3406.	7.8	15
172	Engineering of polar molecular crystals with optimized chromophoric orientation for nonlinear optics. <i>Ferroelectrics</i> , 1997, 202, 51-64.	0.6	7
173	New semiconducting substrate for heteroepitaxial growth of K _{1-y} Na _y Ta _{1-x} Nb _x O ₃ . <i>Ferroelectrics</i> , 1997, 201, 269-275.	0.6	2
174	Radiation damage profiles of the refractive indices of He ⁺ ion-implanted KNbO ₃ waveguides. <i>Journal of Applied Physics</i> , 1997, 81, 1099-1102.	2.5	9
175	Anisotropy of the Electron and Hole Drift Mobility in KNbO ₃ and BaTiO ₃ . <i>Physical Review Letters</i> , 1997, 78, 106-109.	7.8	50
176	Stilbazolium based zwitterionic chromophores for electro-optic polymers. <i>Ferroelectrics</i> , 1997, 202, 299-306.	0.6	6
177	A highly efficient organic second-order nonlinear optical crystal based on a donor-acceptor substituted 4-nitrophenylhydrazone. <i>Applied Physics Letters</i> , 1997, 71, 2064-2066.	3.3	16
178	Reflection gratings in self-pumped phase-conjugate mirrors. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 839.	2.1	8
179	Hydrogen bonded lambda-shaped packing motif based on 4-nitrophenylhydrazones: a promising design tool for engineering acentric crystals. <i>Journal of Materials Chemistry</i> , 1997, 7, 2021-2026.	6.7	25
180	Tetraethynylethene molecular scaffolding: Nonlinear optical, redox, and amphiphilic properties of donor functionalized polytriacyetylene and expanded radialenes. <i>Advanced Materials</i> , 1997, 9, 339-343.	21.0	45

#	ARTICLE	IF	CITATIONS
181	Self-assembly of an acentric co-crystal of a highly hyperpolarizable merocyanine dye with optimized alignment for nonlinear optics. <i>Advanced Materials</i> , 1997, 9, 554-557.	21.0	44
182	Crystal engineering of molecular NLO materials. <i>Advanced Materials</i> , 1997, 9, 837-842.	21.0	109
183	Poly(triacetylene) Oligomers: Synthesis, Characterization, and Estimation of the Effective Conjugation Length by Electrochemical, UV/Vis, and Nonlinear Optical Methods. <i>Chemistry - A European Journal</i> , 1997, 3, 1505-1512.	3.3	83
184	Novel Organic Crystals for Nonlinear and Electro-Optics. , 1997, , 279-296.		5
185	A Novel and Perfectly Aligned Highly Electro-optic Organic Cocrystal of a Merocyanine Dye and 2,4-Dihydroxybenzaldehyde. <i>Journal of the American Chemical Society</i> , 1996, 118, 6315-6316.	13.7	99
186	Photorefractive effect in proton-implanted Fe-doped KNbO ₃ waveguides at telecommunication wavelengths. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996, 13, 2544.	2.1	25
187	Relaxation Processes in Nonlinear Optical Polyimide Side-Chain Polymers. <i>Macromolecules</i> , 1996, 29, 1666-1678.	4.8	47
188	Crystal engineering based on short hydrogen bonds; cocrystallization of a highly nonlinear optical merocyanine dye with nitrophenol derivatives. <i>Chemical Communications</i> , 1996, , 1557-1558.	4.1	27
189	Structure-property relationships in nonlinear optical tetraethynylethenes. <i>Advanced Materials</i> , 1996, 8, 231-234.	21.0	85
190	Five-membered heteroaromatic hydrazone derivatives for second-order nonlinear optics. <i>Advanced Materials</i> , 1996, 8, 416-420.	21.0	49
191	Crystal growth and characterization of the organic salt 4-N, N-dimethylamino-4'-N-methyl-stilbazolium tosylate (dast). <i>Advanced Materials</i> , 1996, 8, 592-595.	21.0	197
192	Non-classical donor-acceptor chromophores for second order nonlinear optics. <i>Advanced Materials</i> , 1996, 8, 677-680.	21.0	127
193	Compact 10 mW all-solid-state 491 nm laser based on frequency doubling a master oscillator power amplifier laser diode. <i>Optics Communications</i> , 1996, 123, 624-628.	2.1	16
194	Compact frequency doubled diode laser at 491 nm. , 1996, , .		0
195	Photorefractive two-wave mixing with focused Gaussian beams. <i>Optics Communications</i> , 1995, 115, 626-636.	2.1	16
196	Optical thresholding in a self-pumped phase conjugate mirror with a ring cavity. <i>Optics Communications</i> , 1995, 122, 43-47.	2.1	4
197	Depth profile of the nonlinear optical susceptibility of ion-implanted KNbO ₃ waveguides. <i>Applied Physics Letters</i> , 1995, 67, 748-750.	3.3	19
198	Temperature dependence and dispersion of electro-optic and elasto-optic effect in perovskite crystals. <i>Journal of Applied Physics</i> , 1995, 78, 2651-2658.	2.5	78

#	ARTICLE	IF	CITATIONS
199	Nondestructive waveguide loss-measurement method using self-pumped phase conjugation for optimum end-fire coupling. <i>Optics Letters</i> , 1995, 20, 1773.	3.3	29
200	Electro-optic and dielectric properties of photorefractive BaTiO ₃ and KNbO ₃ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995, 12, 1416.	2.1	55
201	Nonlinear optical investigation of the optical homogeneity of KNbO ₃ bulk crystals and ion-implanted waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995, 12, 1878.	2.1	19
202	Low-temperature annealing of ion-implanted KNbO ₃ waveguides for second-harmonic generation. <i>Journal of Applied Physics</i> , 1995, 77, 6114-6120.	2.5	20
203	Polytriacylenes: Conjugated polymers with a novel all-carbon backbone. <i>Advanced Materials</i> , 1994, 6, 786-790.	21.0	64
204	Two-wave mixing of focused Gaussian beams in photorefractive waveguides. <i>Optics Letters</i> , 1994, 19, 2080.	3.3	7
205	Refractive indices of orthorhombic KNbO ₃ I Dispersion and temperature dependence. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 380.	2.1	156
206	Refractive indices of orthorhombic KNbO ₃ II Phase-matching configurations for nonlinear-optical interactions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 507.	2.1	137
207	Anisotropic Bragg diffraction in photorefractive crystals. <i>Ferroelectrics</i> , 1988, 78, 51-60.	0.6	1
208	Noncritically phase-matched sum frequency generation and image up-conversion in KNbO ₃ crystals. <i>Applied Physics Letters</i> , 1987, 50, 554-556.	3.3	42
209	Electro-optical effects in dielectric crystals. <i>Ferroelectrics</i> , 1987, 75, 5-23.	0.6	44
210	Dielectric materials for phase conjugation and optical image processing. , 1985, , 363-369.		2
211	Asymmetric transmission through a photorefractive crystal of barium titanate. <i>Optics Communications</i> , 1984, 50, 146-150.	2.1	52
212	Ferroelectrics in phase conjugate optics and dynamic holography. <i>Ferroelectrics</i> , 1983, 49, 39-46.	0.6	2
213	Synthesis, Crystal Growth and Characterization of Organic Nonlinear Optical Co-Crystal: 4-N, N-dimethylamino-4-N-methyl-stilbazolium (3-nitrobenzenesulfonate) _{0.6} <sub>0.4</sub>. <i>Advanced Materials Research</i> , 0, 760-762, 811-815.	0.3	1
214	Electrically poled organic materials and thermo-optic materials. , 0, , 118-174.		0