Peter GÃ¼nter

List of Publications by Year
in descending order

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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	Electroâ€“optically tunable microring resonators in lithium niobate. Nature Photonics, 2007, 1, 407-410.	31.4	478
2	Building Supramolecular Nanostructures at Surfaces by Hydrogen Bonding. Angewandte Chemie - International Edition, 2000, 39, 1230-1234.	13.8	365
3	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
4	Structureâ^'Property Relationships in Third-Order Nonlinear Optical Chromophores. Journal of Physical Chemistry B, 1998, 102, 4451-4465.	2.6	249
5	Stereochemical Effects in Supramolecular Self-Assembly at Surfaces:â€‰ 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
6	Crystal growth and characterization of the organic salt 4-N, N-dimethylamino-4â€²-N-methyl-stilbazolium tosylate (dast). Advanced Materials, 1996, 8, 592-595.	21.0	197
7	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
8	Refractive indices of orthorhombic KNbO_3 I Dispersion and temperature dependence. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 380.	2.1	156
9	A hydrogen-bonded organic nonlinear optical crystal for high-efficiency terahertz generation and detection. Optics Express, 2008, 16, 16496.	3.4	149
10	Organic Phenolic Configurationally Locked Polyene Single Crystals for Electroâ€optic and Terahertz Wave Applications. Advanced Functional Materials, 2008, 18, 3242-3250.	14.9	142
11	Ion-sliced lithium niobate thin films for active photonic devices. Optical Materials, 2009, 31, 1054-1058.	3.6	140
12	Refractive indices of orthorhombic KNbO_3 II Phase-matching configurations for nonlinear-optical interactions. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 507.	2.1	137
13	Silicon-Organic Hybrid Electro-Optical Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 114-126.	2.9	134
14	Non-classical donor-acceptor chromophores for second order nonlinear optics. Advanced Materials, 1996, 8, 677-680.	21.0	127
15	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
16	Crystal engineering of molecular NLO materials. Advanced Materials, 1997, 9, 837-842.	21.0	109
17	Donorâ^'Acceptor-Substituted Phenylethenyl Bithiophenes:Â Highly Efficient and Stable Nonlinear Optical Chromophores. Organic Letters, 1999, 1, 1847-1849.	4.6	109
18	Molecular Engineering of Stilbazolium Derivatives for Second-Order Nonlinear Optics. Chemistry of Materials, 2007, 19, 3512-3518.	6.7	107

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19	Organic Nonlinear Optical Crystals Based on Configurationally Locked Polyene for Melt Growth. Chemistry of Materials, 2006, 18, 4049-4054.	6.7	105
20	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
21	High efficiency generation and detection of terahertz pulses using laser pulses at telecommunication wavelengths. Optics Express, 2006, 14, 5376.	3.4	104
22	Highly Efficient Organic THz Generator Pumped at Nearâ€Infrared: Quinolinium Single Crystals. Advanced Functional Materials, 2012, 22, 200-209.	14.9	103
23	Crystal Growth of DAST. Crystal Growth and Design, 2008, 8, 4173-4184.	3.0	102
24	A Novel and Perfectly Aligned Highly Electroâ˜Optic Organic Cocrystal of a Merocyanine Dye and 2,4-Dihydroxybenzaldehyde. Journal of the American Chemical Society, 1996, 118, 6315-6316.	13.7	99
25	Elongated pushâ€“pull diphenylpolyenes for nonlinear optics: molecular engineering of quadratic and cubic optical nonlinearities via tuning of intramolecular charge transfer. Chemical Physics, 1999, 245, 51-71.	1.9	92
26	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
27	Optical properties of 4-N,N-dimethylamino-4^â€²-N^â€²-methyl-stilbazolium 2,4,6-trimethylbenzenesulfonate crystals at terahertz frequencies. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1914.	2.1	89
28	Structure-property relationships in nonlinear optical tetraethynylethenes. Advanced Materials, 1996, 8, 231-234.	21.0	85
29	Highly Functionalized Dimeric Tetraethynylethenes and Expanded Radialenes: Strong Evidence for Macrocyclic Cross-Conjugation. Chemistry - A European Journal, 2001, 7, 3263-3280.	3.3	84
30	Poly(triacetylene) Oligomers: Synthesis, Characterization, and Estimation of the Effective Conjugation Length by Electrochemical, UV/Vis, and Nonlinear Optical Methods. Chemistry - A European Journal, 1997, 3, 1505-1512.	3.3	83
31	Acentric nonlinear optical N-benzyl stilbazolium crystals with high environmental stability and enhanced molecular nonlinearity in solid state. CrystEngComm, 2011, 13, 444-451.	2.6	80
32	Temperature dependence and dispersion of electroâ€optic and elastoâ€optic effect in perovskite crystals. Journal of Applied Physics, 1995, 78, 2651-2658.	2.5	78
33	Configurationally locked, phenolic polyene organic crystal 2-{3-(4-hydroxystyryl)-5,5-dimethylcyclohex-2-enylidene}malononitrile: linear and nonlinear optical properties. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1678.	2.1	73
34	Crystal Growth and Morphology Control of OH1 Organic Electrooptic Crystals. Crystal Growth and Design, 2010, 10, 1552-1558.	3.0	71
35	Photonic crystal structures in ion-sliced lithium niobate thin films. Optics Express, 2009, 17, 20291.	3.4	65
36	Polytriacetylenes: Conjugated polymers with a novel all-carbon backbone. Advanced Materials, 1994, 6, 786-790.	21.0	64

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37	DAST a high optical nonlinearity organic crystal. Synthetic Metals, 2000, 109, 19-22.	3.9	60
38	Novel Extended Tetrathiafulvalenes Based on Acetylenic Spacers: Synthesis and Electronic Properties. Chemistry - A European Journal, 2002, 8, 3601.	3.3	60
39	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
40	Tailoring of infrared photorefractive properties of Sn_2P_2S_6 crystals by Te and Sb doping. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1535.	2.1	59
41	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
42	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
43	Electro-optic and dielectric properties of photorefractive BaTiO_3 and KNbO_3. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1416.	2.1	55
44	Asymmetric transmission through a photorefractive crystal of barium titanate. Optics Communications, 1984, 50, 146-150.	2.1	52
45	Highly polarizable chromophores for nonlinear optics: syntheses, structures and properties of donor-acceptor substituted thiophenes and oligothiophenes. Tetrahedron, 1998, 54, 8469-8480.	1.9	51
46	Novel electro-optic molecular cocrystals with ideal chromophoric orientation and large second-order optical nonlinearities. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 426.	2.1	51
47	Anisotropy of the Electron and Hole Drift Mobility inKNbO3andBaTiO3. Physical Review Letters, 1997, 78, 106-109.	7.8	50
48	Five-membered heteroaromatic hydrazone derivatives for second-order nonlinear optics. Advanced Materials, 1996, 8, 416-420.	21.0	49
49	Relaxation Processes in Nonlinear Optical Polyimide Side-Chain Polymers. Macromolecules, 1996, 29, 1666-1678.	4.8	47
50	Synthesis, Crystal Structure, and Second-Order Nonlinear Optical Properties of New Stilbazolium Salts. Crystal Growth and Design, 2007, 7, 83-86.	3.0	46
51	Photochemical stability of nonlinear optical chromophores in polymeric and crystalline materials. Journal of Chemical Physics, 2008, 128, 124713.	3.0	46
52	Tetraethynylethene molecular scaffolding: Nonlinear optical, redox, and amphiphilic properties of donor functionalized polytriacetylene and expanded radialenes. Advanced Materials, 1997, 9, 339-343.	21.0	45
53	One- and Two-Dimensionally Conjugated Tetraethynylethenes:Â Structure versus Second-Order Optical Polarizabilities. Journal of Physical Chemistry B, 1998, 102, 29-32.	2.6	45
54	Electro-optical effects in dielectric crystals. Ferroelectrics, 1987, 75, 5-23.	0.6	44

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55	Self-assembly of an acentric co-crystal of a highly hyperpolarizable merocyanine dye with optimized alignment for nonlinear optics. Advanced Materials, 1997, 9, 554-557.	21.0	44
56	Self-Assembly in Ultrahigh Vacuum:Â Growth of Organic Thin Films with a StableIn-PlaneDirectional Order. Journal of the American Chemical Society, 1998, 120, 8563-8564.	13.7	44
57	Fast near-infrared self-pumped phase conjugation with photorefractive Sn_2P_2S_6. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1241.	2.1	43
58	Noncritically phaseâ€matched sum frequency generation and image upâ€conversion in KNbO3crystals. Applied Physics Letters, 1987, 50, 554-556.	3.3	42
59	Extremely large nonresonant second-order nonlinear optical response in crystals of the stilbazolium salt DAPSH. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1786.	2.1	42
60	Microscopic nonlinearities of two-component organic crystals. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1620.	2.1	41
61	Photobleaching and optical properties of organic crystal 4-N, N-dimethylamino-4â€²-Nâ€²-methyl stilbazolium tosylate. Journal of Applied Physics, 2003, 94, 1356-1361.	2.5	41
62	Wavelength dependence of visible and near-infrared photorefraction and phase conjugation in Sn_2P_2S_6. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2459.	2.1	41
63	Pyrrole-Based Hydrazone Organic Nonlinear Optical Crystals and Their Polymorphs. Crystal Growth and Design, 2008, 8, 4021-4025.	3.0	40
64	First hyperpolarizability orientation in asymmetric pyrrole-based polyene chromophores. Dyes and Pigments, 2010, 85, 162-170.	3.7	40
65	Optimized generation of THz pulses via optical rectification in the organic salt DAST. Optics Communications, 2003, 224, 337-341.	2.1	39
66	A new stilbazolium salt with perfectly aligned chromophores for second-order nonlinear optics: 4-N,N-Dimethylamino-4â€²-Nâ€²-methyl-stilbazolium 3-carboxy-4-hydroxybenzenesulfonate. Dyes and Pigments, 2012, 94, 120-126.	3.7	39
67	Morphology and Polymorphism Control of Organic Polyene Crystals by Tailor-made Auxiliaries. Crystal Growth and Design, 2006, 6, 2327-2332.	3.0	38
68	Direct electron beam writing of channel waveguides in nonlinear optical organic crystals. Optics Express, 2007, 15, 16828.	3.4	38
69	Organic thin film crystal growth for nonlinear optics: present methods and exploratory developments. Comptes Rendus Physique, 2002, 3, 449-462.	0.9	37
70	Photostability studies of Ï€-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
71	Polymorphism, crystal growth and characterization of an organic nonlinear optical material: DAPSH. CrystEngComm, 2007, 9, 772.	2.6	36
72	Optical microring resonators in fluorineimplanted lithium niobate. Optics Express, 2008, 16, 8769.	3.4	36

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73	Electro-optic single-crystalline organic waveguides and nanowires grown from the melt. Optics Express, 2008, 16, 11310.	3.4	36
74	Electro-optic Charon polymeric microring modulators. Optics Express, 2008, 16, 613.	3.4	35
75	Oblique Incidence Organic Molecular Beam Deposition and Nonlinear Optical Properties of Organic Thin Films with a Stable In-Plane Directional Order. Advanced Materials, 1999, 11, 745-749.	21.0	34
76	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
77	Synthesis and Physical Investigation of Donorâ€"Donor and Acceptorâ€"Acceptor End-Functionalized Monodisperse Poly(triacetylene) Oligomers. Chemistry - A European Journal, 2000, 6, 4400-4412.	3.3	33
78	Nonlinear optical organic co-crystals of merocyanine dyes and phenolic derivatives with short hydrogen bonds. Chemical Physics, 1999, 245, 377-394.	1.9	31
79	Influence of phenolic hydroxyl groups on second-order optical nonlinearity at an example of 2,4- and 3,4-dihydroxyl hydrazone isomorphic crystals. Journal of Chemical Physics, 2009, 130, 134708.	3.0	30
80	Nondestructive waveguide loss-measurement method using self-pumped phase conjugation for optimum end-fire coupling. Optics Letters, 1995, 20, 1773.	3.3	29
81	Novel, Highly Nonlinear Optical Molecular Crystals Based on Multidonor-Substituted 4-Nitrophenylhydrazones. Advanced Materials, 1998, 10, 777-782.	21.0	29
82	Highly ordered thin films of a bis(dithienothiophene) derivative. Journal of Materials Chemistry, 2007, 17, 4972.	6.7	29
83	New Organic Nonlinear Optical Verbenone-Based Triene Crystal for Terahertz Applications. Crystal Growth and Design, 2007, 7, 2517-2521.	3.0	28
84	Crystal engineering based on short hydrogen bonds; cocrystallization of a highly nonlinear optical merocyanine dye with nitrophenol derivatives. Chemical Communications, 1996, , 1557-1558.	4.1	27
85	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
86	Electro-optic and nonlinear optical properties of ion implanted waveguides in organic crystals. Optics Express, 2008, 16, 731.	3.4	27
87	Model for In-Plane Directional Ordering of Organic Thin Films by Oblique Incidence Organic Molecular Beam Deposition. Advanced Materials, 1999, 11, 750-754.	21.0	26
88	Ion implanted optical waveguides in nonlinear optical organic crystal. Optics Express, 2007, 15, 629.	3.4	26
89	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
90	Photorefractive effect in proton-implanted Fe-doped KNbO_3 waveguides at telecommunication wavelengths. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 2544.	2.1	25

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91	Hydrogen bonded lambda-shaped packing motif based on 4-nitrophenylhydrazones: a promising design tool for engineering acentric crystals. Journal of Materials Chemistry, 1997, 7, 2021-2026.	6.7	25
92	High-gain photorefractive reflection gratings in layered photoconductive polymers. Applied Physics Letters, 2004, 84, 43-45.	3.3	25
93	Stoichiometric LiTaO3for Dynamic Holography in Near UV Wavelength Range. Japanese Journal of Applied Physics, 1999, 38, 1816-1819.	1.5	24
94	Two-dimensional type I quadratic spatial solitons in KNbO_3 near noncritical phase matching. Optics Letters, 2002, 27, 631.	3.3	24
95	High-speed photorefraction at telecommunication wavelength 155 Î¼m in Sn_2P_2S_6:Te. Optics Letters, 2007, 32, 3230.	3.3	24
96	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
97	A terahertz time-domain spectrometer for simultaneous transmission and reflection measurements at normal incidence. Optics Express, 2009, 17, 20684.	3.4	24
98	Crystal engineering by eliminating weak hydrogen bonding sites in phenolic polyene nonlinear optical crystals. CrystEngComm, 2009, 11, 1541.	2.6	24
99	Self Pumped Optical Phase Conjugation at 1.06 Âµm in Te-doped Sn2P2S6. Optics Express, 2005, 13, 9890.	3.4	23
100	Main-Chain Nonlinear Optical Polymers with Enhanced Orientational Stability. Macromolecules, 1998, 31, 7676-7681.	4.8	22
101	Mode propagation losses in He^+ ion-implanted KNbO_3 waveguides. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 628.	2.1	22
102	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
103	Nonlinear optical co-crystal of analogous polyene chromophores with tailored physical properties. Chemical Communications, 2006, , 3729-3731.	4.1	22
104	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
105	Effects of anisotropic diffraction on quadratic multisoliton excitation in noncritically phase-matched crystals. Optics Letters, 2002, 27, 1049.	3.3	21
106	Deep-ultraviolet interband photorefraction in lithium tantalate. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 632.	2.1	21
107	Lowâ€temperature annealing of ionâ€implanted KNbO3waveguides for secondâ€harmonic generation. Journal of Applied Physics, 1995, 77, 6114-6120.	2.5	20
108	Relaxation Processes in Nonlinear Optical Polymers:â€‰ A Comparative Study. Macromolecules, 1998, 31, 1947-1957.	4.8	20

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109	Fabrication and phase modulation in organic single-crystalline configurationally locked, phenolic polyene OH1 waveguides. Optics Express, 2008, 16, 15903.	3.4	20
110	Phonon Modes of Organic Electro-Optic Molecular Crystals for Terahertz Photonics. Journal of Physical Chemistry C, 2015, 119, 10031-10039.	3.1	20
111	Depth profile of the nonlinear optical susceptibility of ionâ€implanted KNbO3 waveguides. Applied Physics Letters, 1995, 67, 748-750.	3.3	19
112	Nonlinear optical investigation of the optical homogeneity of KNbO_3 bulk crystals and ion-implanted waveguides. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1878.	2.1	19
113	Co-crystal structure selection of nonlinear optical analogue polyenes. CrystEngComm, 2012, 14, 4306.	2.6	19
114	Linear and nonlinear optical properties of KNbO3 ridge waveguides. Journal of Applied Physics, 1998, 84, 1186-1195.	2.5	17
115	High-resolution laser lithography system based on two-dimensional acousto-optic deflection. Review of Scientific Instruments, 2009, 80, 085105.	1.3	17
116	Photorefractive two-wave mixing with focused Gaussian beams. Optics Communications, 1995, 115, 626-636.	2.1	16
117	Compact 10 mW all-solid-state 491 nm laser based on frequency doubling a master oscillator power amplifier laser diode. Optics Communications, 1996, 123, 624-628.	2.1	16
118	A highly efficient organic second-order nonlinear optical crystal based on a donor-acceptor substituted 4-nitrophenylhydrazone. Applied Physics Letters, 1997, 71, 2064-2066.	3.3	16
119	Birefringence phase-matched blue light second-harmonic generation in a KNbO3 ridge waveguide. Applied Physics Letters, 1998, 72, 2364-2366.	3.3	16
120	Impurity-gas-dependent charge injection properties at the electrodeâ€“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
121	Deep UV light induced, fast reconfigurable and fixed waveguides in Mg doped LiTaO3. Optics Express, 2006, 14, 8278.	3.4	16
122	UV integrated optics devices based on beta-barium borate. Optical Materials, 2009, 31, 1049-1053.	3.6	16
123	Optical Nonlinearities and Molecular Conformations in Thiophene-Based Hydrazone Crystals. Journal of Physical Chemistry C, 2009, 113, 15405-15411.	3.1	16
124	Free-Standing Lithium Niobate Microring Resonators for Hybrid Integrated Optics. IEEE Photonics Technology Letters, 2010, 22, 251-253.	2.5	16
125	Charge Carrier Photoexcitation and Two-Wave Mixing in Dichroic Materials. Physical Review Letters, 1997, 79, 3403-3406.	7.8	15
126	Large-Size Pyrrolidine-Based Polyene Single Crystals Suitable for Terahertz Wave Generation. Crystal Growth and Design, 2009, 9, 5003-5005.	3.0	15

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127	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
128	Rainbow Photonics: Growth of Nonlinear Optical DAST Crystals. Chimia, 2003, 57, 349-351.	0.6	13
129	Ultraâ€Broadband and Highâ€Dynamicâ€Range THz Timeâ€Domain Spectroscopy System Based on Organic Crystal Emitter and Detector in Transmission and Reflection Geometry. Advanced Photonics Research, 2021, 2, 2000098.	3.6	13
130	Nonlinear Organic Materials For VLSI Photonics. AIP Conference Proceedings, 2004, , .	0.4	11
131	Coherent detection of terahertz pulses based on two-photon absorption in a photodiode. Applied Physics Letters, 2007, 90, 121125.	3.3	11
132	Running electric field gratings for detection of coherent radiation. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1078.	2.1	11
133	Organic Materials for Second-Order Nonlinear Optics. , 1999, , 261-278.		11
134	In-plane alignment of noncentrosymmetric molecules by oblique-incidence molecular beam deposition. Applied Physics Letters, 1999, 74, 3110-3112.	3.3	10
135	Sub-millisecond interband photorefraction in magnesium doped lithium tantalate. Optics Communications, 2004, 234, 131-136.	2.1	10
136	Interband photorefraction in Sn_2P_2S_6 at visible wavelengths. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1620.	2.1	10
137	Optical waveguides in Sn2P2S6 by low fluence MeV He+ ion implantation. Optics Express, 2006, 14, 2344.	3.4	10
138	Singlet excimer electroluminescence within N,Nâ€²-di-1-naphthalenyl-N,Nâ€²-diphenyl-[1,1â€²-biphenyl]-4,4â€²-diamine based diodes. Applied Physics Letters, 2006, 89, 041914.	2.0	10
139	Double phase conjugate mirror using Sn_2P_2S_6 for injection locking of a laser diode bar. Optics Express, 2008, 16, 15415.	3.4	10
140	Optical phase conjugation of picosecond pulses at 106 Î¼m in Sn_2P_2S_6:Te for wavefront correction in high-power Nd-doped amplifier systems. Optics Express, 2010, 18, 87.	3.4	10
141	Characterization of the bipolar mobility in polar materials by interband photoexcitation. Physical Review B, 1997, 56, 12196-12200.	3.2	9
142	Radiation damage profiles of the refractive indices of He+ion-implanted KNbO3waveguides. Journal of Applied Physics, 1997, 81, 1099-1102.	2.5	9
143	Nematic-like mesophase photoconductive polymer for photorefractive applications. Polymer, 2005, 46, 10301-10310.	3.8	9
144	Fast dynamic waveguides and waveguide arrays in photorefractive Sn_2P_2S_6 induced by visible light. Optics Express, 2009, 17, 379.	3.4	9

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145	The influence of pyrrole linked to the Ï€-conjugated polyene on crystal characteristics and polymorphism. Dyes and Pigments, 2010, 86, 149-154.	3.7	9
146	Reflection gratings in self-pumped phase-conjugate mirrors. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 839.	2.1	8
147	Interface dependent electrical properties of organic light emitting devices in ultra high vacuum. Synthetic Metals, 2000, 111-112, 307-310.	3.9	8
148	Measurement of the terahertz-induced phase shift in electro-optic sampling for an arbitrary biasing phase. Applied Optics, 2006, 45, 6598.	2.1	8
149	Two-wave mixing of focused Gaussian beams in photorefractive waveguides. Optics Letters, 1994, 19, 2080.	3.3	7
150	Engineering of polar molecular crystals with optimized chromophoric orientation for nonlinear optics. Ferroelectrics, 1997, 202, 51-64.	0.6	7
151	Controlled reduction of Fe-doped KNbO3 by proton-irradiation. Optics Communications, 1998, 153, 375-386.	2.1	7
152	Film thickness measurement and linear dichroism of organic thin films prepared by molecular beam deposition at oblique incidence. Optical Materials, 1999, 12, 345-350.	3.6	7
153	Nondestructive method for the characterization of ion-implanted waveguides. Optics Letters, 2005, 30, 2412.	3.3	7
154	Layered photoconductive polymers: Anisotropic morphology and correlation with photorefractive reflection grating response. Journal of Chemical Physics, 2006, 124, 104705.	3.0	7
155	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
156	Stilbazolium based zwitterionic chromophores for electro-optic polymers. Ferroelectrics, 1997, 202, 299-306.	0.6	6
157	Growth and characterization of reduced and unreduced Rh doped potassium niobate single crystals. Journal of Crystal Growth, 2006, 297, 87-94.	1.5	6
158	Epitaxial K_1â^'xNa_xTa_066Nb_034O_3 thin films for optical waveguiding applications. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 829.	2.1	6
159	Light deflection and modulation through dynamic evolution of photoinduced waveguides. Optics Express, 2008, 16, 16646.	3.4	6
160	Ordering of PVBA on amorphous SiO2 and Pd(110). Thin Solid Films, 1999, 343-344, 171-174.	1.8	5
161	Improved emission and coherent detection of few-cycle terahertz transients using laser pulses at 1.5 Î¼m. , 2007, 6582, 174.		5
162	Rotational Isomerism of Phenylthiolated Chromophores with Large Variation of Optical Nonlinearity. Journal of Physical Chemistry C, 2012, 116, 25034-25043.	3.1	5

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163	Novel Organic Crystals for Nonlinear and Electro-Optics. , 1997, , 279-296.		5
164	Optical thresholding in a self-pumped phase conjugate mirror with a ring cavity. Optics Communications, 1995, 122, 43-47.	2.1	4
165	Complex soliton-like pattern generation in Potassium Niobate due to noisy, high intensity, input beams. Optics Express, 2003, 11, 2206.	3.4	4
166	Backward beam fanning in organic photorefractive devices. Applied Physics Letters, 2006, 89, 021905.	3.3	4
167	New nonlinear optical polyamides: Influence of binding mode of side-chains and rigidity of main-chains on temporal stability. European Polymer Journal, 2008, 44, 2219-2224.	5.4	4
168	Self-Assembly Growth of Organic Thin Films and Nanostructures by Molecular Beam Deposition. ACS Symposium Series, 2001, , 34-49.	0.5	3
169	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
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