

Mojca Jazbinsek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Large-Size Bulk and Thin-Film Stilbazolium-Salt Single Crystals for Nonlinear Optics and THz Generation. <i>Advanced Functional Materials</i> , 2007, 17, 2018-2023.	7.8	231
2	Photonic Applications With the Organic Nonlinear Optical Crystal DAST. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 1298-1311.	1.9	227
3	High efficiency THz generation in DSTMS, DAST and OH1 pumped by Cr:forsterite laser. <i>Optics Express</i> , 2015, 23, 4573.	1.7	199
4	A hydrogen-bonded organic nonlinear optical crystal for high-efficiency terahertz generation and detection. <i>Optics Express</i> , 2008, 16, 16496.	1.7	149
5	Organic Phenolic Configurationally Locked Polyene Single Crystals for Electro-Optic and Terahertz Wave Applications. <i>Advanced Functional Materials</i> , 2008, 18, 3242-3250.	7.8	142
6	Silicon-Organic Hybrid Electro-Optical Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 114-126.	1.9	134
7	Organic Crystals for THz Photonics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 882.	1.3	129
8	Material tensor parameters of LiNbO ₃ relevant for electro- and elasto-optics. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 407-414.	1.1	128
9	High-power Broadband Organic THz Generator. <i>Scientific Reports</i> , 2013, 3, 3200.	1.6	125
10	Synthesis and Crystal Growth of Stilbazolium Derivatives for Second-Order Nonlinear Optics. <i>Advanced Functional Materials</i> , 2005, 15, 1072-1076.	7.8	124
11	Synthesis and crystal structure of a new stilbazolium salt with large second-order optical nonlinearity. <i>Journal of Materials Chemistry</i> , 2006, 16, 2839-2842.	6.7	121
12	Molecular Engineering of Stilbazolium Derivatives for Second-Order Nonlinear Optics. <i>Chemistry of Materials</i> , 2007, 19, 3512-3518.	3.2	107
13	Organic Nonlinear Optical Crystals Based on Configurationally Locked Polyene for Melt Growth. <i>Chemistry of Materials</i> , 2006, 18, 4049-4054.	3.2	105
14	Linear and nonlinear optical properties of the organic crystal DSTMS. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2556.	0.9	105
15	Highly Efficient Organic THz Generator Pumped at Near-Infrared: Quinolinium Single Crystals. <i>Advanced Functional Materials</i> , 2012, 22, 200-209.	7.8	103
16	Crystal Growth of DAST. <i>Crystal Growth and Design</i> , 2008, 8, 4173-4184.	1.4	102
17	Characterization of holographic polymer dispersed liquid crystal transmission gratings. <i>Journal of Applied Physics</i> , 2001, 90, 3831-3837.	1.1	95
18	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.	1.3	80

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19	Recent progress in acentric core structures for highly efficient nonlinear optical crystals and their supramolecular interactions and terahertz applications. <i>CrystEngComm</i> , 2016, 18, 7180-7203.	1.3	76
20	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.	0.9	73
21	Crystal Growth and Morphology Control of OH1 Organic Electrooptic Crystals. <i>Crystal Growth and Design</i> , 2010, 10, 1552-1558.	1.4	71
22	Terahertz source at 9.4 THz based on a dual-wavelength infrared laser and quasi-phase matching in organic crystals OH1. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	71
23	Benzothiazolium Single Crystals: A New Class of Nonlinear Optical Crystals with Efficient THz Wave Generation. <i>Advanced Materials</i> , 2017, 29, 1701748.	11.1	64
24	Tailoring of infrared photorefractive properties of Sn ₂ P ₂ S ₆ crystals by Te and Sb doping. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1535.	0.9	59
25	New Acentric Core Structure for Organic Electrooptic Crystals Optimal for Efficient Optical-to-THz Conversion. <i>Advanced Optical Materials</i> , 2015, 3, 756-762.	3.6	58
26	New Organic Nonlinear Optical Polyene Crystals and Their Unusual Phase Transitions. <i>Advanced Functional Materials</i> , 2007, 17, 1750-1756.	7.8	57
27	Highly Nonlinear Optical Configurationally Locked Triene Crystals Based on 3,5-Dimethyl-2-cyclohexen-1-one. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7846-7852.	1.5	57
28	High-energy terahertz pulses from organic crystals: DAST and DSTMS pumped at Ti:sapphire wavelength. <i>Optics Letters</i> , 2013, 38, 5106.	1.7	55
29	Intense, carrier frequency and bandwidth tunable quasi single-cycle pulses from an organic emitter covering the Terahertz frequency gap. <i>Scientific Reports</i> , 2015, 5, 14394.	1.6	53
30	Highly Nonlinear Optical Organic Crystals for Efficient Terahertz Wave Generation, Detection, and Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2101019.	3.6	49
31	Electron-phonon coupling and vibrational modes contributing to linear electrooptic effect of the efficient NLO chromophore 4-(dimethylamino)-4-methyl-2-toluene sulfonate (DAST) from their vibrational spectra. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 52-63.		48
32	Synthesis, Crystal Structure, and Second-Order Nonlinear Optical Properties of New Stilbazolium Salts. <i>Crystal Growth and Design</i> , 2007, 7, 83-86.	1.4	46
33	Photochemical stability of nonlinear optical chromophores in polymeric and crystalline materials. <i>Journal of Chemical Physics</i> , 2008, 128, 124713.	1.2	46
34	A series of compounds forming polar crystals and showing single-crystal-to-single-crystal transitions between polar phases. <i>CrystEngComm</i> , 2012, 14, 2645.	1.3	45
35	Fast near-infrared self-pumped phase conjugation with photorefractive Sn ₂ P ₂ S ₆ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 1241.	0.9	43
36	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.	0.9	42

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37	Photobleaching and optical properties of organic crystal 4-N, N-dimethylamino-4- π^2 -N- π^2 -methyl stilbazolium tosylate. <i>Journal of Applied Physics</i> , 2003, 94, 1356-1361.	1.1	41
38	Wavelength dependence of visible and near-infrared photorefractive and phase conjugation in Sn ₂ P ₂ S ₆ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2459.	0.9	41
39	Pyrrole-Based Hydrazone Organic Nonlinear Optical Crystals and Their Polymorphs. <i>Crystal Growth and Design</i> , 2008, 8, 4021-4025.	1.4	40
40	First hyperpolarizability orientation in asymmetric pyrrole-based polyene chromophores. <i>Dyes and Pigments</i> , 2010, 85, 162-170.	2.0	40
41	A new stilbazolium salt with perfectly aligned chromophores for second-order nonlinear optics: 4-N,N-Dimethylamino-4- π^2 -N- π^2 -methyl-stilbazolium 3-carboxy-4-hydroxybenzenesulfonate. <i>Dyes and Pigments</i> , 2012, 94, 120-126.	2.0	39
42	N-Methylquinolinium derivatives for photonic applications: Enhancement of electron-withdrawing character beyond that of the widely-used N-methylpyridinium. <i>Dyes and Pigments</i> , 2015, 113, 8-17.	2.0	39
43	Morphology and Polymorphism Control of Organic Polyene Crystals by Tailor-made Auxiliaries. <i>Crystal Growth and Design</i> , 2006, 6, 2327-2332.	1.4	38
44	Direct electron beam writing of channel waveguides in nonlinear optical organic crystals. <i>Optics Express</i> , 2007, 15, 16828.	1.7	38
45	Terahertz Phonon Mode Engineering of Highly Efficient Organic Terahertz Generators. <i>Advanced Functional Materials</i> , 2017, 27, 1605583.	7.8	38
46	Photostability studies of π -conjugated chromophores with resonant and nonresonant light excitation for long-life polymeric telecommunication devices. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2199.	0.9	37
47	Polymorphism, crystal growth and characterization of an organic nonlinear optical material: DAPSH. <i>CrystEngComm</i> , 2007, 9, 772.	1.3	36
48	Electro-optic single-crystalline organic waveguides and nanowires grown from the melt. <i>Optics Express</i> , 2008, 16, 11310.	1.7	36
49	Phenolic Polyene Crystals with Tailored Physical Properties and Very Large Nonlinear Optical Response. <i>Chemistry of Materials</i> , 2011, 23, 239-246.	3.2	36
50	Electro-optic Charon polymeric microring modulators. <i>Optics Express</i> , 2008, 16, 613.	1.7	35
51	Electro-optical properties of near-stoichiometric and congruent lithium tantalate at ultraviolet wavelengths. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 276.	0.9	34
52	Yellow-Colored Electro-Optic Crystals as Intense Terahertz Wave Sources. <i>Advanced Functional Materials</i> , 2018, 28, 1801143.	7.8	32
53	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.	1.2	30
54	Engineering of Organic Chromophores with Large Second-Order Optical Nonlinearity and Superior Crystal Growth Ability. <i>Crystal Growth and Design</i> , 2015, 15, 5560-5567.	1.4	30

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55	Structural transitions in holographic polymer-dispersed liquid crystals. <i>Physical Review E</i> , 2004, 69, 051703.	0.8	29
56	Nonlinear optical coefficients and phase-matching conditions in $\text{Sn}_2\text{P}_2\text{S}_6$. <i>Optics Express</i> , 2005, 13, 3765.	1.7	29
57	New Organic Nonlinear Optical Verbenone-Based Triene Crystal for Terahertz Applications. <i>Crystal Growth and Design</i> , 2007, 7, 2517-2521.	1.4	28
58	Organic Three-Component Single Crystals with Pseudo-Isomorphous Cocrystallization for Nonlinear Optics and THz Photonics. <i>Advanced Functional Materials</i> , 2018, 28, 1805257.	7.8	28
59	High-power few-cycle THz generation at MHz repetition rates in an organic crystal. <i>APL Photonics</i> , 2020, 5, .	3.0	28
60	High-Quality Organic Single Crystalline Thin Films for Nonlinear Optical Applications by Vapor Growth. <i>Crystal Growth and Design</i> , 2007, 7, 402-405.	1.4	27
61	Electro-optic and nonlinear optical properties of ion implanted waveguides in organic crystals. <i>Optics Express</i> , 2008, 16, 731.	1.7	27
62	Efficient Optical-to-THz Conversion Organic Crystals with Simultaneous Electron Withdrawing and Donating Halogen Substituents. <i>Advanced Optical Materials</i> , 2018, 6, 1700930.	3.6	27
63	Ion implanted optical waveguides in nonlinear optical organic crystal. <i>Optics Express</i> , 2007, 15, 629.	1.7	26
64	Large-Area Organic Electro-optic Single Crystalline Thin Films Grown by Evaporation-Induced Local Supersaturation with Surface Interactions. <i>Crystal Growth and Design</i> , 2009, 9, 2512-2516.	1.4	26
65	New Electro-Optic Salt Crystals for Efficient Terahertz Wave Generation by Direct Pumping at Ti:Sapphire Wavelength. <i>Advanced Optical Materials</i> , 2017, 5, 1600758.	3.6	26
66	High-finesse laterally coupled organic-inorganic hybrid polymer microring resonators for VLSI photonics. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 865-867.	1.3	24
67	High-speed photorefractive at telecommunication wavelength $155 \frac{1}{4} \mu\text{m}$ in $\text{Sn}_2\text{P}_2\text{S}_6$:Te. <i>Optics Letters</i> , 2007, 32, 3230.	1.7	24
68	Crystal engineering by eliminating weak hydrogen bonding sites in phenolic polyene nonlinear optical crystals. <i>CrystEngComm</i> , 2009, 11, 1541.	1.3	24
69	Single Crystals Based on Hydrogen-Bonding Mediated Cation-Anion Assembly with Extremely Large Optical Nonlinearity and Their Application for Intense THz Wave Generation. <i>Advanced Optical Materials</i> , 2018, 6, 1701258.	3.6	24
70	Self Pumped Optical Phase Conjugation at $1.06 \mu\text{m}$ in Te-doped $\text{Sn}_2\text{P}_2\text{S}_6$. <i>Optics Express</i> , 2005, 13, 9890.	1.7	23
71	Organic Electro-Optic Single-Crystalline Thin Films Grown Directly on Modified Amorphous Substrates. <i>Advanced Materials</i> , 2008, 20, 543-545.	11.1	23
72	Crystal Engineering of Acentric Styryl Quinolinium Crystals with Strongly Hydrogen-Bonded Phenolic Anions. <i>Crystal Growth and Design</i> , 2013, 13, 5085-5091.	1.4	23

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73	Electro-Optic Organic Crystal Silicon High-Speed Modulator. IEEE Photonics Journal, 2014, 6, 1-9.	1.0	23
74	Generation of high-field terahertz pulses in an HMQ-TMS organic crystal pumped by an ytterbium laser at 1030 nm. Optics Express, 2018, 26, 2509.	1.7	23
75	Nonlinear optical co-crystal of analogous polyene chromophores with tailored physical properties. Chemical Communications, 2006, , 3729-3731.	2.2	22
76	Photorefractive Effects in Sn ₂ P ₂ S ₆ . , 2007, , 327-362.		22
77	Electro-optic tuning and modulation of single-crystalline organic microring resonators. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1103.	0.9	22
78	Reduced space-charge fields in near-stoichiometric LiTaO ₃ for blue, violet, and near-ultraviolet light beams. Applied Physics B: Lasers and Optics, 2002, 75, 891-894.	1.1	21
79	Fabrication and phase modulation in organic single-crystalline configurationally locked, phenolic polyene OH1 waveguides. Optics Express, 2008, 16, 15903.	1.7	20
80	New acentric quinolinium crystal with high order parameter for nonlinear optical and electro-optic applications. CrystEngComm, 2012, 14, 3633.	1.3	20
81	Phonon Modes of Organic Electro-Optic Molecular Crystals for Terahertz Photonics. Journal of Physical Chemistry C, 2015, 119, 10031-10039.	1.5	20
82	Co-crystal structure selection of nonlinear optical analogue polyenes. CrystEngComm, 2012, 14, 4306.	1.3	19
83	X-shaped Alignment of Chromophores: Potential Alternative for Efficient Organic Terahertz Generators. Advanced Optical Materials, 2020, 8, 1901921.	3.6	19
84	New phenolic N-methylquinolinium single crystals for second-order nonlinear optics. Optical Materials, 2015, 45, 136-140.	1.7	18
85	4-Nitrophenylhydrazone Crystals with Large Quadratic Nonlinear Optical Response by Optimal Molecular Packing. Crystal Growth and Design, 2011, 11, 3049-3055.	1.4	17
86	Origin of Solubility Behavior of Polar π -Conjugated Crystals in Mixed Solvent Systems. Crystal Growth and Design, 2014, 14, 6024-6032.	1.4	17
87	New Class of Efficient Terahertz Generators: Effective Terahertz Spectral Filling by Complementary Tandem Configuration of Nonlinear Organic Crystals. Advanced Functional Materials, 2018, 28, 1707195.	7.8	17
88	Organic Broadband THz Generators Optimized for Efficient Near-Infrared Optical Pumping. Advanced Science, 2020, 7, 2001738.	5.6	17
89	Organic π -Hole Containing Crystals with Enhanced Nonlinear Optical Response and Efficient Optical π -THz Frequency Conversion. Advanced Optical Materials, 2020, 8, 1901840.	3.6	17
90	Deep UV light induced, fast reconfigurable and fixed waveguides in Mg doped LiTaO ₃ . Optics Express, 2006, 14, 8278.	1.7	16

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91	Optical Nonlinearities and Molecular Conformations in Thiophene-Based Hydrazone Crystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15405-15411.	1.5	16
92	MHz-repetition-rate, sub-mW, multi-octave THz wave generation in HMQ-TMS. <i>Optics Express</i> , 2020, 28, 9631.	1.7	16
93	Generation of strong-field spectrally tunable terahertz pulses. <i>Optics Express</i> , 2020, 28, 33921.	1.7	16
94	Large-Size Pyrrolidine-Based Polyene Single Crystals Suitable for Terahertz Wave Generation. <i>Crystal Growth and Design</i> , 2009, 9, 5003-5005.	1.4	15
95	Polar crystals in imines of 4-hydroxybenzohydrazide: a comparison between racemic and enantiomeric crystals. <i>CrystEngComm</i> , 2013, 15, 3318.	1.3	15
96	First-Principles Calculation of Terahertz Absorption with Dispersion Correction of 2,2'-Bithiophene as Model Compound. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12598-12607.	1.5	15
97	Electro-optic crystals grown in confined geometry with optimal crystal characteristics for THz photonic applications. <i>CrystEngComm</i> , 2016, 18, 7311-7318.	1.3	15
98	Wide-Bandgap Organic Crystals: Enhanced Optical Terahertz Nonlinear Frequency Conversion at Near-Infrared Pumping. <i>Advanced Optical Materials</i> , 2020, 8, 1902099.	3.6	15
99	Solid-State Molecular Motions in Organic THz Generators. <i>Advanced Optical Materials</i> , 2021, 9, 2001521.	3.6	15
100	Determination of the absorption constant in the interband region by photocurrent measurements. <i>Applied Physics B: Lasers and Optics</i> , 2006, 83, 115-119.	1.1	14
101	Multi-functional supramolecular building blocks with hydroxy piperidino groups: new opportunities for developing nonlinear optical ionic crystals. <i>CrystEngComm</i> , 2016, 18, 5832-5841.	1.3	14
102	In Situ Tailor-Made Additives for Molecular Crystals: A Simple Route to Morphological Crystal Engineering. <i>Crystal Growth and Design</i> , 2016, 16, 3555-3561.	1.4	14
103	Efficient Gap-Free Broadband Terahertz Generators Based on New Organic Quinolinium Single Crystals. <i>Advanced Optical Materials</i> , 2019, 7, 1900953.	3.6	14
104	Selective Growth of Highly Efficient Electrooptic Stilbazolium Crystals by Sequential Crystal Growth in Different Solvents. <i>Crystal Growth and Design</i> , 2011, 11, 3060-3064.	1.4	13
105	New Thiolated Nitrophenylhydrazone Crystals for Nonlinear Optics. <i>Crystal Growth and Design</i> , 2012, 12, 313-319.	1.4	13
106	Molecular salt crystals with bis(head-to-tail) interionic complementary assembly for efficient organic THz generators. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10078-10085.	2.7	13
107	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.	1.7	13
108	Terahertz Phonon Modes of Highly Efficient Electro-optic Phenyltriene OH1 Crystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24360-24369.	1.5	12

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109	Fluorinated Organic Electro-Optic Quinolinium Crystals for THz Wave Generation. <i>Advanced Optical Materials</i> , 2019, 7, 1801495.	3.6	12
110	High-Density Organic Electro-Optic Crystals for Ultra-Broadband THz Spectroscopy. <i>Advanced Optical Materials</i> , 2021, 9, 2100618.	3.6	12
111	Nonlinear Organic Materials For VLSI Photonics. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	11
112	Determining negative sequence currents of turbine generator rotors. , 2009, , .		11
113	Thickness Control of Highly Efficient Organic Electro-Optic Phenolic Polyene Crystals by Metal Acetates. <i>Crystal Growth and Design</i> , 2009, 9, 4269-4272.	1.4	11
114	Running electric field gratings for detection of coherent radiation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1078.	0.9	11
115	Quinolinium single crystals with a high optical nonlinearity and unusual out-of-plane polar axis. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12602-12609.	2.7	11
116	Phonon-Suppressing Intermolecular Adhesives: Catechol-Based Broadband Organic THz Generators. <i>Advanced Science</i> , 2022, 9, .	5.6	11
117	Interband photorefraction in Sn ₂ P ₂ S ₆ at visible wavelengths. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1620.	0.9	10
118	Optical waveguides in Sn ₂ P ₂ S ₆ by low fluence MeV He ⁺ ion implantation. <i>Optics Express</i> , 2006, 14, 2344.	1.7	10
119	Double phase conjugate mirror using Sn ₂ P ₂ S ₆ for injection locking of a laser diode bar. <i>Optics Express</i> , 2008, 16, 15415.	1.7	10
120	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. <i>Optics Express</i> , 2010, 18, 87.	1.7	10
121	Organic styryl quinolinium crystal with aromatic anion bearing electron-rich vinyl group. <i>Journal of Molecular Structure</i> , 2015, 1100, 359-365.	1.8	10
122	Organic THz Generators: A Design Strategy for Organic Crystals with Ultralarge Macroscopic Hyperpolarizability. <i>Advanced Optical Materials</i> , 2021, 9, 2100324.	3.6	10
123	Localized Soft Mode at Optical-Field-Induced Fréedericksz Transition in a Nematic Liquid Crystal. <i>Physical Review Letters</i> , 1999, 82, 2103-2106.	2.9	9
124	Nematic-like mesophase photoconductive polymer for photorefractive applications. <i>Polymer</i> , 2005, 46, 10301-10310.	1.8	9
125	Fast dynamic waveguides and waveguide arrays in photorefractive Sn ₂ P ₂ S ₆ induced by visible light. <i>Optics Express</i> , 2009, 17, 379.	1.7	9
126	The influence of pyrrole linked to the π -conjugated polyene on crystal characteristics and polymorphism. <i>Dyes and Pigments</i> , 2010, 86, 149-154.	2.0	9

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127	New quolinium polymorph with optimal packing for maximal off-diagonal nonlinear optical response. <i>Dyes and Pigments</i> , 2013, 96, 435-439.	2.0	9
128	Quinolinium-based organic electro-optic crystals: Crystal characteristics in solvent mixtures and optical properties in the terahertz range. <i>Materials Chemistry and Physics</i> , 2016, 169, 62-70.	2.0	9
129	Control of Nucleation of Organic Electrooptic Phenolic Polyene Crystals by Highly Polar Liquid Additive. <i>Crystal Growth and Design</i> , 2012, 12, 495-498.	1.4	8
130	Effect of ionic organic additives for the growth of polyene crystals synthesized by Knoevenagel condensations. <i>CrystEngComm</i> , 2012, 14, 1045-1048.	1.3	8
131	Layered photoconductive polymers: Anisotropic morphology and correlation with photorefractive reflection grating response. <i>Journal of Chemical Physics</i> , 2006, 124, 104705.	1.2	7
132	Quantum Chemical Evaluation of Ionic Nonlinear Optical Chromophores and Crystals Considering the Counteranion Effects. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23535-23542.	1.5	7
133	New benzothiazolium crystals with very large off-diagonal optical nonlinearity. <i>Dyes and Pigments</i> , 2021, 192, 109433.	2.0	7
134	Light deflection and modulation through dynamic evolution of photoinduced waveguides. <i>Optics Express</i> , 2008, 16, 16646.	1.7	6
135	Organic ionic electro-optic crystals grown by specific interactions on templates for THz wave photonics. <i>CrystEngComm</i> , 2015, 17, 4781-4786.	1.3	6
136	Rotational Isomerism of Phenylthiolated Chromophores with Large Variation of Optical Nonlinearity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25034-25043.	1.5	5
137	Unusual Twisting and Bending of Phenyltriene with Methylthiolated Biphenyl Sulfane Group in the Crystalline State. <i>Crystal Growth and Design</i> , 2013, 13, 1014-1022.	1.4	5
138	Supercontinuum generation in OHQ-N2S organic crystal driven by intense terahertz fields. <i>Optics Letters</i> , 2019, 44, 4881.	1.7	5
139	New N-pyrimidinyl stilbazolium crystals for second-order nonlinear optics. <i>Optics and Laser Technology</i> , 2022, 156, 108454.	2.2	5
140	Backward beam fanning in organic photorefractive devices. <i>Applied Physics Letters</i> , 2006, 89, 021905.	1.5	4
141	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.	2.6	4
142	Broadband THz-wave generation with organic crystals OHI and DSTMS. , 2013, , .		4
143	Design Strategy of Highly Efficient Nonlinear Optical Orange-Colored Crystals with Two Electron-Withdrawing Groups. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	4
144	GROWTH AND PLANAR STRUCTURING OF DAST CRYSTALS FOR OPTICAL APPLICATIONS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004, 13, 559-567.	1.1	3

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145	High performance reflection gratings in nematiclike photorefractive polymers. Applied Physics Letters, 2005, 87, 121910.	1.5	3
146	Sn ₂ P ₂ S ₆ Crystals for Fast Near-Infrared Photorefractive. Ferroelectrics, 2005, 318, 89-94.	0.3	3
147	Polar ordering of linear rod-like polyamide with different linking structure of nonlinear optical chromophores. Optical Materials, 2007, 29, 833-839.	1.7	3
148	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.	0.9	3
149	Hybrid organic crystal/silicon-on-insulator integrated electro-optic modulators. , 2010, , .		3
150	High-speed, low-power optical modulators in silicon. , 2013, , .		3
151	Electrooptics: New Acentric Core Structure for Organic Electrooptic Crystals Optimal for Efficient Optical-to-THz Conversion (Advanced Optical Materials 6/2015). Advanced Optical Materials, 2015, 3, 844-844.	3.6	3
152	Silicon High-Speed Modulators. , 2016, , 278-301.		3
153	Enhanced photorefractive properties of Te-doped Sn ₂ P ₂ S ₆ . , 2003, , .		3
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155	Tunable narrowband THz source (1–20 THz) based on organic crystals DSTMS and OH1. , 2013, , .		2
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