

CITATION REPORT

List of articles citing

Handbook of Nonlinear Optical Crystals

DOI: 10.1007/978-3-540-68392-6

Springer Series in Optical Sciences, 1997, , .

Source: <https://exaly.com/paper-pdf/83709117/citation-report.pdf>

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
196	Observation of backward sum-frequency generation in periodically-poled lithium niobate. 1998 , 155, 323-326		5
195	Laser action in Yb ³⁺ :YCOB (Yb ³⁺ :YCa ₄ O(BO ₃) ₃). 1998 , 156, 327-330		67
194	Megawatt peak power 803 Th CdSe optical parametric generator pumped at 2.8 Th. 1998 , 150, 210-212		16
193	Two-photon photoconductivity in semiconductor waveguide autocorrelators. 1998 , 153, 78-82		13
192	Two-photon absorption in GaSe and CdGeAs ₂ . 1998 , 155, 47-50		43
191	Crystal Growth and Optical Properties of AgGaS ₂ and AgGaSe ₂ . 1998 , 23, 28-36		69
190	Temperature tuned noncritical phase-matching in Li ₂ B ₄ O ₇ for generation of CW laser radiation at 244 nm. 1999 , 35, 721		4
189	Recent advances of YCOB family nonlinear optical crystals.		0
188	New Approach to Fluorescence Spectroscopy of Individual Molecules on Surfaces. 1999 , 83, 3804-3807		5
187	Three-wave interaction solitons in optical parametric amplification. 1999 , 59, 6122-37		13
186	Two-color multistep cascading and parametric soliton-induced waveguides. 1999 , 60, R5056-9		26
185	Analysis of Cr-Doped CdGeAs ₂ Using Thermal Admittance Spectroscopy. 1999 , 607, 465		1
184	Nanocomposite of semiconducting ferroelectric antimony sulphoiodide dots-doped glasses. 1999 , 230, 11-20		13
183	Development of GdYCOB crystals.		
182	Oriented surface crystallization of lithium niobate on glass and second harmonic generation. 1999 , 259, 132-138		33
181	Switching and second harmonic generation using counterpropagating quasi-phase-matching in a mirrorless configuration. 1999 , 17, 316-327		11
180	Effect of Fast Electron Irradiation on Electrical and Optical Properties of CdGeAs ₂ and ZnGeP ₂ . 1999 , 607, 409		6

179	Photoresponse of Tellurium Rich TeSe_{1-x} Nonlinear Optical Semiconductors. 1999 , 607, 415		
178	Reduction of the Optical Absorption of Zinc Germanium Phosphide Via Post-Growth Thermal Anneal. 1999 , 607, 433		
177	Time-dependent nonlinear optical properties of pyroelectric liquid crystalline polymers. 1999 , 148, 179-195		1
176	Infrared LIDAR Applications in Atmospheric Monitoring. 2000 ,		3
175	Crystal Growth and Optical Properties of the Polar Hydrated Pentaborates $\text{Rb}[\text{B}_5\text{O}_6(\text{OH})_4] \cdot 2\text{H}_2\text{O}$ and $\text{NH}_4[\text{B}_5\text{O}_6(\text{OH})_4] \cdot 2\text{H}_2\text{O}$ and Structure Redetermination of the Ammonium Compound. 2000 , 35, 1251-1262		45
174	Preparation and characterization of sol-gel derived potassium lithium niobate films. 2000 , 211, 82-85		7
173	Optimization of the process of frequency tripling and quadrupling in double grating quasi-phase matched structures. 2000 , 178, 437-447		3
172	Study of inclusions and causes of their formation during growth of barium metaborate crystals. <i>Crystallography Reports</i> , 2000 , 45, 698-703	0.6	7
171	6.5.3.2 Point group: 32. 43-44		
170	Deposition of potassium lithium niobate films for nonlinear optics applications. 2000 ,		
169	Multiple Stokes and anti-Stokes generation in triclinic $\gamma\text{-KIO}_3$ and hexagonal $\alpha\text{-LiIO}_3$ crystals. 2000 ,		
168	Dielectric properties of I-III-VI ₂ -type chalcopyrite semiconductors. <i>Physical Review B</i> , 2000 , 62, 13546-13551		58
167	Optical properties of potassium lithium niobate films. 2001 , 33, 71-78		
166	New results of the high-gain harmonic generation free-electron laser experiment. 2001 , 475, 260-265		9
165	Broadband dispersion-compensated two-pass second harmonic generation of femtosecond pulses. 2001 , 188, 365-370		7
164	Electro-optic effect in a nano-crystals doped glass. 2001 , 259, 259-268		8
163	Preparation and characterization of nanocrystalline potassium lithium niobate powders and films. 2001 , 16, 3609-3613		4
162	Structure and the nonlinearity of lithium triborate studied by Raman and infrared reflectivity spectroscopy. 2001 , 16, 3464-3470		11

161	Image of near-field second-harmonic generation for inversely poled mesoscopic LiNbO ₃ domains. <i>Physical Review B</i> , 2001 , 63,	3.3	4
160	.		
159	Nonlinear Optical Frequency Conversion: Material Requirements, Engineered Materials, and Quasi-Phasematching. 2002 , 375-406		3
158	Progress in the growth and characterisation of zinc germanium phosphide crystals.		
157	In situ measurement of pH and supersaturation-dependent growth kinetics of the prismatic and pyramidal facets of KDP crystals. 2002 , 244, 342-348		27
156	Optical properties of CdS _{0.2} Se _{0.8} :V. <i>Journal of Electronic Materials</i> , 2003 , 32, 783-788	1.9	1
155	Chemical and biological sensors based on optically confined birefringent chalcopyrite heterostructures. 2003 , 97, 182-195		8
154	Vibrational Spectra and Second Harmonic Generation in Molecular Complexes of L-Lysine with L-Tartaric, d,l-Malic, Acetic, Arsenous, and Fumaric Acids. 2003 , 3, 587-592		47
153	INFRARED SPECTRUM AND NONLINEAR OPTICAL PROPERTIES OF p-NITROANILINE-L-TARTARIC ACID (2:1) MOLECULAR COMPLEX. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2003 , 12, 113-121	0.8	20
152	Pulsed Mid-IR Optical Parametric Oscillators. 2003 , 144-183		12
151	Mid-IR Difference Frequency Generation. 2003 , 99-143		17
150	Electro-optic Devices. 2004 ,		
149	Sum-Frequency Generation in Periodically Poled KTiOPO ₄ with Large Tolerances of Temperature and Wavelength. 2004 , 43, 5867-5870		
148	A study of polarization and beam quality changes in second-order processes. 2004 , 6, S105-S114		1
147	Optical stochastic cooling for RHIC using optical parametric amplification. 2004 , 7,		9
146	Ferroelectric properties of a triphenylene derivative with polar functional groups in the crystalline state. <i>Physical Review B</i> , 2004 , 69,	3.3	15
145	Optical parametric amplification of femtosecond ultraviolet laser pulses. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2004 , 10, 1259-1267	3.8	11
144	Ultrasonic measurement of the elastic properties of benzoyl glycine single crystals. 2004 , 62, 87-94		5

143	Tunable, narrow-band picosecond radiation in the mid-infrared by difference frequency mixing in GaSe and CdSe. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 79, 457-462	1.9	29
142	Dramatic enhancement of third-harmonic generation in three-dimensional photonic crystals. 2004 , 92, 083903		71
141	Nonmonotonic behavior of the absorption of the tightly focused femtosecond radiation of a Cr:forsterite laser in a dielectric due to an increase in the number of photons involved in the process. 2005 , 82, 228-231		2
140	Two-photon-absorption of frequency converter crystals at 248 nm. <i>Applied Physics B: Lasers and Optics</i> , 2005 , 81, 1123-1126	1.9	19
139	Quantum Zeno effect in two coupled nonlinear optical processes. 2005 , 26, 83-93		4
138	Time and Energy Characteristics of Radiation at Q-switched Self-Frequency Conversion. 2005 , 26, 294-311		1
137	The spatial shape of entangled photon states generated in non-collinear, walking parametric downconversion. 2005 , 7, 235-239		29
136	OPTIMAL DESIGN OF APERIODIC OPTICAL SUPERLATTICES FOR ACHIEVING PARAMETRIC AMPLIFICATION OR SECOND HARMONIC GENERATION WITH CONSIDERATION OF THE DEPLETION OF PUMPING LIGHT POWER. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2005 , 14, 115-131	0.8	4
135	Indistinguishability of entangled photons generated with achromatic phase matching. <i>Physical Review A</i> , 2005 , 71,	2.6	14
134	Second order nonlinear optical properties of zinc oxide films deposited by low temperature dual ion beam sputtering. <i>Journal of Applied Physics</i> , 2005 , 97, 023501	2.5	26
133	Difference frequency mixing of strongly focused Gaussian beams in periodically poled LiNbO ₃ . <i>Applied Physics Letters</i> , 2005 , 86, 231105	3-4	3
132	Characteristics of parametric amplification of aperiodic optical superlattices at different pumping levels. 2005 ,		
131	Mid-IR generation by difference frequency mixing of two pulsed PPLN OPOs in ZnGeP ₂ /sub 2/.		1
130	Femtosecond Noncollinear Parametric Amplification and Carrier-Envelope Phase Control. 2005 , 133-175		0
129	Dielectrics and Electrooptics. 2005 , 817-901		2
128	Concentration dependence of the optical nonlinearity in extremely doped fluorinated organic copolymers. <i>Journal of Applied Physics</i> , 2005 , 98, 093521	2.5	7
127	Femtosecond fluorescence spectroscopy by upconversion with tilted gate pulses. 2005 , 7, 1716-25		65
126	Control of the shape of the spatial mode function of photons generated in noncollinear spontaneous parametric down-conversion. <i>Physical Review A</i> , 2005 , 72,	2.6	45

125	Blue second harmonic generation from aluminum nitride films deposited onto silicon by sputtering technique. <i>Journal of Applied Physics</i> , 2006 , 100, 023507	2.5	17
124	Giant enhancement of second harmonic generation in multiple photonic quantum well structures made of nonlinear material. <i>Applied Physics Letters</i> , 2006 , 88, 122904	3.4	19
123	A Review of Applications and Experimental Improvements Related to Diode Laser Atomic Spectroscopy. 2006 , 41, 259-303		40
122	GaP Raman Terahertz high accuracy spectrometer and its application to detect organic and inorganic crystalline defects. 2006 , 82, 353-8		9
121	Photorefractive effect in ZnGeP2 single crystal. 2006 , 32, 498-500		1
120	Ultrafast two-color ablation of fused silica. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 83, 49-52	2.6	10
119	Characterization of second and third order optical nonlinearities of ZnO sputtered films. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 82, 431-437	1.9	50
118	Quantum magnetic flux through helical molecules in optically active media. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 82, 633-636	1.9	5
117	Twin-photon techniques for photo-detector calibration. <i>Laser Physics Letters</i> , 2006 , 3, 115-123	1.5	47
116	Stimulated Raman scattering and cascaded nonlinear laser ($\chi^{(2)}$) effects in tetragonal non-centrosymmetric Li2B4O7 single crystals. <i>Laser Physics Letters</i> , 2006 , 3, 519-530	1.5	18
115	Measuring plasmon-resonance enhanced third-harmonic ($\chi^{(3)}$) of Ag nanoparticles. <i>Applied Physics Letters</i> , 2006 , 89, 043122	3.4	37
114	Second-harmonic generation in optical superlattices at the oblique incidence of light. <i>Applied Physics Letters</i> , 2006 , 88, 161909	3.4	1
113	Broadband quasi-phase-matched second-harmonic generation in a nonlinear photonic crystal. <i>Journal of Applied Physics</i> , 2006 , 100, 023120	2.5	7
112	Second harmonic generation in GaN/Al50Ga50N films deposited by metal-organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2006 , 89, 131105	3.4	8
111	ENHANCEMENT OF SECOND HARMONIC GENERATION IN ONE-DIMENSIONAL FERROELECTRIC-METALLIC PHOTONIC CRYSTALS. <i>Modern Physics Letters B</i> , 2007 , 21, 1599-1604	1.6	1
110	Giant enhancement of second harmonic generation in poled ferroelectric crystals. <i>Applied Physics Letters</i> , 2007 , 91, 022903	3.4	23
109	Second order optical nonlinearity of ZnO/n-ZnO:Al bilayers deposited on glass by low temperature radio frequency sputtering. <i>Applied Physics Letters</i> , 2007 , 90, 181110	3.4	3
108	Effects of shapes and orientations of reversed domains on the conversion efficiency of second harmonic wave in two-dimensional nonlinear photonic crystals. <i>Journal of Applied Physics</i> , 2007 , 102, 093101	2.5	3

107	Conversion of short optical pulses to terahertz radiation in a nonlinear medium: Experiment and theory. <i>Physical Review B</i> , 2007 , 76,	3.3	11
106	Quantification of the second-order nonlinear susceptibility of collagen I using a laser scanning microscope. 2007 , 12, 044002		65
105	Nonlinear Interactions of Light and Matter Without Absorption. 2007 , 173-261		
104	Nonstationary frequency doubling in periodically-poled nonlinear crystals in the presence of self-action effects. 2007 , 28, 279-287		2
103	Second harmonic generations in aperiodic optical superlattices with finite width and in one-dimensional defective photonic crystals made of nonlinear optical materials. 2007 , 2, 279-288		1
102	Optical properties of nonlinear solid solution GaSe _{1-x} S _x (0 < x < 1). 2008 , 51, 1083-1089		6
101	Nonlinear-laser effects in NH ₄ H ₂ PO ₄ (ADP) and ND ₄ D ₂ PO ₄ (DADP) single crystals: almost two-octave multi-wavelength Stokes and anti-Stokes combs, cascaded lasing in UV and visible ranges with the involving of the second and third harmonic generation. <i>Laser Physics Letters</i> , 2008 , 5, 532-542	1.5	25
100	Nonlinear frequency conversion in two-dimensional nonlinear photonic crystals solved by a plane-wave-based transfer-matrix method. <i>Physical Review B</i> , 2008 , 77,	3.3	19
99	Second-harmonic generation in collagen as a potential cancer diagnostic parameter. 2008 , 13, 054050		61
98	Quantitative determination of linear and second-harmonic generation optical effective responses of achiral or chiral materials in planar structures: theory and materials. 2008 , 128, 064707		22
97	Ordinary and extraordinary phonons and photons: Raman study of anisotropy effects in the polar modes of MnGa ₂ Se ₄ . <i>Physical Review B</i> , 2008 , 78,	3.3	14
96	Birefringence of BaB ₂ O ₄ crystal in the terahertz region for parametric device design. <i>Applied Physics Letters</i> , 2008 , 92, 091116	3.4	16
95	Thermo-optical modeling of high power operation of 2 μm codoped Tm, Ho solid-state lasers. <i>Journal of Applied Physics</i> , 2008 , 104, 033114	2.5	13
94	Evaluation of the optical axis tilt of zinc oxide films via noncollinear second harmonic generation. <i>Applied Physics Letters</i> , 2009 , 94, 251109	3.4	6
93	Laser and nonlinear-laser properties of undoped and Nd ³⁺ -doped orthorhombic Ca(NbO ₃) ₂ single crystals: new stimulated-emission performance and high-order picosecond stimulated Raman scattering covering more than two octave Stokes and anti-Stokes wavelengths. <i>Laser Physics Letters</i> , 2009 , 6, 821-832	1.5	14
92	High-repetition-rate femtosecond optical parametric chirped-pulse amplifier in the mid-infrared. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 96, 257-269	1.9	15
91	Simulation of parametric oscillation in the submillimeter range at pumping of the ZnGeP ₂ crystal by a train of 100-ps high-power pulses. <i>Physics of Wave Phenomena</i> , 2009 , 17, 233-240	1.2	1
90	Single-focusing regime of propagation of femtosecond light packets when self-focused in a condensed medium. <i>Journal of Experimental and Theoretical Physics</i> , 2009 , 108, 189-202	1	1

89	Thermal properties of the monoclinic KGd(PO ₃) ₄ . 2009 ,		
88	Portable and Tunable Terahertz-Wave Parametric Generator Pumped by Microchip Nd:YAG Laser. <i>The Review of Laser Engineering</i> , 2009 , 37, 278-282	0	
87	Difference frequency generation by optical rectification of femtosecond laser pulse in GaAs crystal with a periodic domain structure. <i>Journal of Contemporary Physics</i> , 2010 , 45, 17-24	0.5	2
86	Parametric oscillation of high-power 3-THz pulse by synchronously pumped ZnGeP ₂ crystal: Computer simulation. <i>Physics of Wave Phenomena</i> , 2010 , 18, 240-244	1.2	1
85	Optical chirality of bacteriorhodopsin films via second harmonic Maker-B fringes measurements. <i>Applied Physics Letters</i> , 2010 , 96, 221108	3.4	9
84	Characteristics of highly sensitive terahertz wave detector based on lithium niobate. <i>Journal of Modern Optics</i> , 2010 , 57, 2130-2136	1.1	
83	Doped GaSe crystals for optical frequency conversion in infrared and terahertz spectral ranges. 2010 ,		
82	Analysis of three-wave mixing in one-dimensional nonlinear multilayer structures with pump depletion. <i>Journal of Applied Physics</i> , 2011 , 109, 083113	2.5	2
81	An effective susceptibility model for exact solution of second harmonic generation in general quasi-phase-matched structures. <i>Europhysics Letters</i> , 2011 , 94, 44003	1.6	13
80	Quantitative study of the enhancement of bulk nonlinearities in metamaterials. <i>Physical Review A</i> , 2011 , 84,	2.6	15
79	Accurate determination of second order nonlinear optical coefficients from powder crystal monolayers. <i>Journal of Applied Physics</i> , 2011 , 109, 113105	2.5	15
78	Ultrasensitive, Room Temperature Detection of THz Radiation Using Nonlinear Parametric Conversion. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011 , 17, 79-84	3.8	10
77	Broadly tunable quasi-phase-matching in nonlinear metamaterials. <i>Physical Review A</i> , 2011 , 84,	2.6	19
76	SECOND HARMONIC GENERATION IN FERROELECTRIC LiTaO ₃ AND KNbO ₃ CONTAINING BULK NANO GLASS-CERAMICS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2011 , 20, 49-61	0.8	5
75	Research on Second Harmonic Generation in Two-Dimensional Periodical Nonlinear Photonic Crystals Based on Intelligent Materials. <i>Advanced Materials Research</i> , 2011 , 282-283, 716-720	0.5	
74	TUNABLE OUTPUT OF SECOND HARMONIC GENERATIONS IN PHOTONIC QUANTUM WELL STRUCTURES MADE OF NONLINEAR MATERIAL. <i>International Journal of Modern Physics B</i> , 2012 , 26, 1250178	1.1	1
73	Laser Spectrometric Techniques in Analytical Atomic Spectrometry. 2012 ,		
72	Peak doubling in spontaneous parametric down-conversion coincidence spectra with a short-pulse pump*. <i>Physica Scripta</i> , 2012 , 85, 058105	2.6	1

71	Giant Enhancement of Second Harmonic Generation in One-Dimensional Nonlinear Photonic Crystal at the Oblique Incidence of Light. 2012 ,		
70	Effect of the pump depletion itself on the quasi-phase-matching for second-harmonic generation. <i>Europhysics Letters</i> , 2012 , 99, 34002	1.6	5
69	Experimental and theoretical studies of second harmonic generation for Bi2O2[NO3(OH)]. <i>Materials Research Bulletin</i> , 2012 , 47, 2573-2578	5.1	31
68	Diode-pumped continuous-wave blue laser operation of Nd:GGG at 467.0, 467.7, and 468.5 nm. <i>Laser Physics Letters</i> , 2012 , 9, 295-300	1.5	8
67	High conversion efficiency of second harmonic generation in a short nonlinear photonic crystal with distributed Bragg reflector mirrors. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 71-76	2.6	7
66	Summary and difference frequency radiation generation in the field of few-cycle laser pulse propagating in GaSe. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2013 , 22, 135-147	0.7	4
65	Design and fabrication of eight zone vertical dynamic gradient freeze system for organic single crystal growth. <i>Review of Scientific Instruments</i> , 2013 , 84, 083907	1.7	2
64	Stimulated Raman scattering in monoclinic non-centrosymmetric guanylurea(1+) hydrogen phosphite (GUHP). <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 1837-1856	1.3	9
63	Optical breakdown threshold in nanosecond high repetition second harmonic generation by periodically poled Mg-doped LiTaO3 crystal. <i>Applied Physics Letters</i> , 2013 , 103, 091114	3.4	9
62	Laser-induced breakdown and damage generation by nonlinear frequency conversion in ferroelectric crystals: Experiment and theory. <i>Journal of Applied Physics</i> , 2013 , 114, 203101	2.5	8
61	Modern Pulsed Diode Laser Sources for Time-Correlated Photon Counting. <i>Springer Series on Fluorescence</i> , 2014 , 71-87	0.5	3
60	Second harmonic generation by micropowders: a revision of the KurtzBerry method and its practical application. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 116, 211-233	1.9	22
59	Giant second-harmonic generation efficiency and ideal phase matching with a double μ -near-zero cross-slit metamaterial. <i>Physical Review B</i> , 2014 , 89,	3.3	51
58	Mid-infrared diffuse reflection on ultrafast time scales. <i>Applied Spectroscopy</i> , 2014 , 68, 1-4	3.1	7
57	GaAsO4: A Bifunctional Material for Piezoelectricity and Second Harmonic Generation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8459-8464	3.8	4
56	A promising nonlinear conjugate-gradient method proposed to design nonlinear domains with a disordered distribution. <i>Modern Physics Letters B</i> , 2015 , 29, 1550030	1.6	
55	Linear optical properties of defective KDP with oxygen vacancy: First-principles calculations. <i>Chinese Physics B</i> , 2015 , 24, 077802	1.2	7
54	Generating femtosecond pulses in the mid-IR and THz ranges in GaSe1-xTe x crystals. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2015 , 79, 238-241	0.4	2

53	Giant enhancement of second harmonic generation in one-dimensional defective nonlinear photonic crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 1447-1451	2.6	7
52	Optical properties of Pbn6Te10 in the long-wave IR. <i>Laser Physics Letters</i> , 2016 , 13, 125405	1.5	4
51	High Power CO ₂ -Laser Radiation Conversion with AgGaSe ₂ and AgGa _{1-x} In _x Se ₂ Crystals. <i>Springer Series in Optical Sciences</i> , 2016 , 413-419	0.5	
50	Azimuthal entanglement and multichannel Schmidt-type decomposition of noncollinear biphotons. <i>Physical Review A</i> , 2016 , 93,	2.6	12
49	Multipolar interference for non-reciprocal nonlinear generation. <i>Scientific Reports</i> , 2016 , 6, 25113	4.9	15
48	Prospects of obtaining terawatt class infrared pulses using standard optical parametric amplification. <i>Laser Physics</i> , 2017 , 27, 025403	1.2	4
47	Influence of multi-line CO laser focusing on broadband sum-frequency generation. <i>Laser Physics Letters</i> , 2017 , 14, 065401	1.5	3
46	Effect of field modulation on the quasi-phase-matching for second harmonic generation in a two-dimensional nonlinear photonic crystal. <i>International Journal of Modern Physics B</i> , 2017 , 31, 1750025 ^{1,1}		
45	Non-critically phase-matched second harmonic generation and third order nonlinearity in organic crystal glucuronic acid lactone. <i>Journal of Applied Physics</i> , 2017 , 122, 223110	2.5	9
44	Multiline CO ₂ laser with Q-switching for generation of terahertz radiation. <i>Journal of Physics: Conference Series</i> , 2017 , 941, 012004	0.3	
43	2-Amino-5-Nitropyridinium Halides (Br, Cl): An Efficient Frequency Doubler. <i>International Journal of Nanoscience</i> , 2018 , 17, 1760038	0.6	
42	Designing Two-Dimensional KBBF Family Second-Harmonic Generation Monolayers. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 7992-7996	3.8	12
41	High-repetition-rate, tunable and coherent mid-infrared source based on difference frequency generation from a dual-wavelength 2 μm laser and GaSe crystal. <i>Laser Physics</i> , 2018 , 28, 126205	1.2	
40	Density Functional Theory Prediction of the Second Harmonic Generation and Linear Pockels Effect in Trigonal BaZnO ₂ . <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21277-21283	3.8	2
39	Structural and AC electrical properties study of solid metal urea complexes. <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1850013	1.3	2
38	Numerical Study of CO Laser Down-Conversion into the THz Range With ZnGeP ₂ crystal. 2019 ,		
37	A Novel Cesium Pentaborate with Ribbon-Type Anionic Radical. <i>Crystallography Reports</i> , 2019 , 64, 260-265	6.56	
36	Laser excitation dependent nonlinear absorption of 2-Amino 5-Nitropyridinium dihydrogen phosphate. <i>Molecular Crystals and Liquid Crystals</i> , 2019 , 692, 62-73	0.5	1

35	Effect of external stresses on the optical and electronic properties of potassium dihydrogen phosphate crystals. <i>Materials Research Express</i> , 2019 , 6, 045026	1.7	
34	LabVIEW-Based Automated Setup for Interferometric Refractive Index Probing. <i>SLAS Technology</i> , 2020 , 25, 286-292	3	1
33	A review of the ABCD family as infrared nonlinear optical materials: the effect of each site on the structure and optical properties. <i>Chemical Communications</i> , 2020 , 56, 11565-11576	5.8	17
32	Electrically Micro-Polarized Amorphous Sodo-Niobate Film Competing with Crystalline Lithium Niobate Second-Order Optical Response. <i>Advanced Optical Materials</i> , 2020 , 8, 2000202	8.1	4
31	InxGa1-xSe mixed crystals grown from an In flux by the traveling heater method for THz wave generation. <i>Journal of Physics Communications</i> , 2020 , 4, 065007	1.2	1
30	Tellurium-oxygen group enhanced birefringence in tellurium phosphates: a first-principles investigation.. <i>RSC Advances</i> , 2020 , 10, 4087-4094	3.7	1
29	Optical and Electrical Properties of InxGa1-xSe Mixed Crystal Grown from Indium Flux by Traveling Heater Method. <i>Journal of Electronic Materials</i> , 2021 , 50, 2649-2655	1.9	
28	Second-Order Optical Response in Electrically Polarized Sodo-Niobate Amorphous Thin Films: Particularity of Multilayer Systems. <i>Advanced Photonics Research</i> , 2021 , 2, 2000171	1.9	0
27	Nonlinear Interactions of Light and Matter Without Absorption. <i>Advanced Texts in Physics</i> , 2001 , 151-230		1
26	Pressure Effects on Non-Linear Optical Phenomena. 1999 , 25-46		3
25	Characterization of interfaces, surfaces, and thin films. 2009 , 63-114		1
24	Highly efficient stimulated Raman scattering of sub-picosecond laser pulses in BaWO for 10.6 μm difference frequency generation. <i>Optics Letters</i> , 2020 , 45, 2160-2163	3	8
23	Growth, Microhardness, Electrical and Dielectric studies on L-Alanine Hydrogen Chloride NLO Single Crystal. <i>International Journal of Materials Science and Engineering</i> , 2015 , 159-166	0.5	2
22	Optical parametric generation in biaxial KTA crystal under pumping by YAG:Nd laser in arbitrary directions. <i>Proceedings of the National Academy of Sciences of Belarus Physics and Mathematics Series</i> , 2021 , 57, 374-384	0.2	
21	Linear Optics. 2011 , 28-62		
20	High-Peak-Power, Tunable Terahertz-Wave Parametric Source. <i>The Review of Laser Engineering</i> , 2012 , 40, 486	0	
19	Ultrabroadband Terahertz Spectroscopy. 2012 , 219-229		
18	Morphology of Van der Waals surfaces and magnetic hysteresis in cobalt intercalated InTe. <i>Functional Materials</i> , 2015 , 22, 327-331	0.6	

17	Dielectrics and Electrooptics. <i>Springer Handbooks</i> , 2018 , 813-899	1.3	
16	High-accuracy and high-repeatability measurement of the cut error of a nonlinear uniaxial crystal. <i>Applied Optics</i> , 2021 , 60, 41-46	1.7	
15	Influence of ZnGeP ₂ crystal temperature on broadband cascaded frequency conversion (numerical study). <i>Journal of Physics: Conference Series</i> , 2020 , 1439, 012021	0.3	
14	6.3.1 Three-wave interactions. 26-27		
13	6.3.2 Uniaxial crystals. 27-28		
12	6.3.3 Biaxial crystals. 29-32		
11	6.3.5 Frequency conversion in crystals. 34-35		
10	6.5.3.1 Point group: 3m. 42-43		
9	A - D. 68-146		
8	E - N. 147-220		
7	P - Z. 221-323		
6	6.8 References for 6. 324-346		
5	Few-layer GaSe nanosheet-based broadband saturable absorber for passively Q-switched solid-state bulk lasers. <i>Applied Optics</i> , 2020 , 59, 8834-8838	1.7	0
4	Finding the First Squarates Nonlinear Optical Crystal NaHC ₄ O ₄ ·H ₂ O with Strong Second Harmonic Generation and Giant Birefringence. 2022 , 4, 572-576		5
3	Mid-infrared electronic wavelength tuning through intracavity difference-frequency mixing in Cr:ZnSe lasers. 2022 , 12,		1
2	Ag[SC(NH ₂) ₂] ₂ F: A Laser Damage-Tolerant Infrared Nonlinear Optical Material.		0
1	LiAlS ₂ : A promising infrared frequency-conversion material with ultrawide band gap and high laser-induced damage threshold.		0