Boris I Sturman

List of Publications by Year
in descending order

199 papers	3,584 citations	159358 30 h-index	182168 51 g-index
199 all docs	199 docs citations	199 times ranked	2335 citing authors

#	Article	IF	Citations
1	The photogalvanic effect in media lacking a center of symmetry. Uspekhi Fizicheskikh Nauk, 1980, 23, 199-223.	0.3	404
2	Highly Tunable Low-Threshold Optical Parametric Oscillation in Radially Poled Whispering Gallery Resonators. Physical Review Letters, 2011, 106, 143903.	2.9	130
3	Physics and applications of charged domain walls. Npj Computational Materials, 2018, 4, .	3.5	128
4	Origin of Stretched Exponential Relaxation for Hopping-Transport Models. Physical Review Letters, 2003, 91, 176602.	2.9	121
5	Light Pulse Slowing Down up to 0.025 cm/s by Photorefractive Two-Wave Coupling. Physical Review Letters, 2003, 91, 083902.	2.9	105
6	Space-charge waves in photorefractive crystals and their parametric excitation. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 1919.	0.9	95
7	Large and accessible conductivity of charged domain walls in lithium niobate. Scientific Reports, 2017, 7, 9862.	1.6	91
8	Optical cleaning of congruent lithium niobate crystals. Nature Photonics, 2009, 3, 510-513.	15.6	82
9	Parametric four-wave processes in photorefractive crystals. Physics Reports, 1996, 275, 197-254.	10.3	76
10	Theory of photorefractive vectorial wave coupling in cubic crystals. Physical Review E, 1999, 60, 3332-3352.	0.8	73
11	Theory of extraordinary light transmission through arrays of subwavelength slits. Physical Review B, 2008, 77, .	1.1	66
12	Development of a Continuous-Flow Hydride and Mercury Vapor Generation Accessory for Atomic Absorption Spectrophotometry. Applied Spectroscopy, 1985, 39, 48-56.	1.2	56
13	Whispering gallery modes at the rim of an axisymmetric optical resonator: Analytical versus numerical description and comparison with experiment. Optics Express, 2013, 21, 30683.	1.7	52
14	Investigation of nonlinear absorption processes with femtosecond light pulses in lithium niobate crystals. Physical Review E, 2005, 71, 056603.	0.8	50
15	Hydride generation atomic absorption spectrometry with in situ pre-concentration in a graphite furnace in the presence of palladium. Journal of Analytical Atomic Spectrometry, 1989, 4, 251.	1.6	48
16	Slowing Down of Light in Photorefractive Crystals with Beam Intensity Coupling Reduced to Zero. Physical Review Letters, 2004, 93, 243604.	2.9	45
17	The oxidation of iron (II) sulphide. Journal of Theoretical Biology, 1975, 8, 329-337.	0.8	44
18	Spatial subharmonics in photorefractive crystals. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 672.	0.9	44

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19	Femtosecond time-resolved absorption processes in lithium niobate crystals. Optics Letters, 2005, 30, 1366.	1.7	42
20	Eigenmodes for metal-dielectric light-transmitting nanostructures. Physical Review B, 2007, 76, .	1.1	42
21	Photorefractive nonlinearity of periodically poled ferroelectrics. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2641.	0.9	38
22	Nonlinear scattering in BaTiO3 induced by two orthogonally polarized waves. Applied Physics B, Photophysics and Laser Chemistry, 1991, 52, 317-322.	1.5	37
23	Generation of Spatial Subharmonic Gratings in the Absence of Photorefractive Beam Coupling. Physical Review Letters, 1994, 73, 3082-3084.	2.9	37
24	Collective effects associated with lower hybrid heating of plasma. Plasma Physics, 1978, 20, 1131-1150.	0.9	36
25	Beam-coupling, four-wave mixing and optical oscillation due to spatially-oscillating photovoltaic currents in lithium niobate crystals. Ferroelectrics, 1987, 75, 295-315.	0.3	36
26	Investigation of photoinduced scattering in LiNbO3 crystals. Optics Communications, 1980, 34, 95-100.	1.0	35
27	Generic description of second-order nonlinear phenomena in whispering-gallery resonators. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2465.	0.9	34
28	Theory of high-temperature photorefractive phenomena inLiNbO3crystals and applications to experiment. Physical Review B, 1998, 57, 12792-12805.	1.1	33
29	Instability of moving gratings in photorefractive crystals. Applied Physics A: Solids and Surfaces, 1992, 55, 235-241.	1.4	31
30	Space-charge waves in photorefractive ferroelectrics. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1642.	0.9	31
31	Light-induced charge transport in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LiNbO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>:Fe. Physical Review B, 2008, 78, .	1.1	31
32	Light-induced charge-transport in undoped LiNbO3 crystals. Applied Physics B: Lasers and Optics, 2011, 105, 35-50.	1.1	30
33	The relation between shift and ballistic currents in the theory of photogalvanic effect. Ferroelectrics, 1988, 83, 29-34.	0.3	29
34	Exact solution of the Bragg-difEraction problem in sillenites. Journal of the Optical Society of America B: Optical Physics, 1994, 11, 1813.	0.9	28
35	Singular Behavior of Light-Induced Space Charge in Photorefractive Media under an ac Field. Physical Review Letters, 2000, 84, 3839-3842.	2.9	28
36	Degenerate Parametric Light Scattering in Periodically PoledLiNbO3:Y:Fe. Physical Review Letters, 2001, 86, 4021-4024.	2.9	25

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37	Phenomenological analysis of the parametric scattering processes in photorefractive crystals. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 577.	0.9	24
38	Femtosecond holography in lithium niobate crystals. Optics Letters, 2005, 30, 2233.	1.7	24
39	Origin of UV-induced poling inhibition in lithium niobate crystals. Physical Review B, 2010, 82, .	1.1	24
40	Errors in the atomic absorption determination of calcium by the standard addition method. Analytical Chemistry, 1979, 51, 307-310.	3.2	23
41	Low frequency peculiarities of the photorefractive response in sillenites. Optics Communications, 1995, 113, 371-377.	1.0	22
42	Investigation of photorefractive subharmonics in the absence of wave mixing. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1621.	0.9	22
43	Transmission and diffraction properties of a narrow slit in a perfect metal. Physical Review B, 2010, 82, .	1.1	22
44	Quantum properties of charged ferroelectric domain walls. Physical Review B, 2015, 92, .	1.1	22
45	Modeling of the photorefractive nonlinear response in Sn_2P_2S_6 crystals. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1303.	0.9	21
46	Instability of spatial gratings induced by ac fields in photorefractive crystals. Optics Letters, 1992, 17, 1620.	1.7	20
47	Feedback-controlled photorefractive two-beam coupling. Physical Review A, 1997, 56, R2541-R2544.	1.0	20
48	Verification of the standard model of the photorefractive nonlinearity in BSO crystals. Optics Communications, 1994, 108, 31-36.	1.0	19
49	Hidden Reservoir of Photoactive Electrons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LiNbO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Crystals. Physical Review Letters, 2012, 109, 026603.	2.9	19
50	The photogalvanic effectâ€”a new mechanism of nonlinear wave interaction in electrooptic crystals. Soviet Journal of Quantum Electronics, 1980, 10, 276-278.	0.1	18
51	Subharmonic generation in photorefractive crystals: Application of theory to experiment. Applied Physics A: Solids and Surfaces, 1992, 55, 55-60.	1.4	18
52	Giant momentary readout produced by switching electric fields during two-wave mixing in sillenites. Optics Letters, 1998, 23, 1435.	1.7	18
53	Frequency comb generation threshold via second-harmonic excitation in Ï‡ (2) optical microresonators. APL Photonics, 2020, 5, .	3.0	18
54	Fundamentals of the nonlinear theory of photorefractive subharmonics. Physical Review E, 1997, 55, 6072-6083.	0.8	17

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55	Separation of optical Kerr and free-carrier nonlinear responses with femtosecond light pulses in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Li</mml:mi><mml:mi mathvariant="normal">Nb</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>crystals. Physical Review B, 2007, 76, .	1.1	17
56	Structure of pump resonances during optical parametric oscillation in whispering gallery resonators. Optics Letters, 2013, 38, 3316.	1.7	17
57	Metal nanoparticles with sharp corners: Universal properties of plasmon resonances. Europhysics Letters, 2013, 101, 57009.	0.7	17
58	Nonlinear solutions for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>Ï‡</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo>)</mml:mo></mml:mrow></mml:msup></mml:math> frequency combs in optical microresonators. Physical Review A, 2020, 101, .	1.0	17
59	Mirrorless coherent oscillation due to six-beam vectorial mixing in photorefractive crystals. Optics Letters, 1988, 13, 1017.	1.7	16
60	Parametric conical scattering of two orthogonally polarized waves in BaTiO_3. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 1648.	0.9	16
61	Dynamics of feedback controlled photorefractive beam coupling. Physical Review A, 2001, 63, .	1.0	16
62	On the Emitter of Blue Light in Copper-Containing Pyrotechnic Flames. Propellants, Explosives, Pyrotechnics, 2006, 31, 70-74.	1.0	16
63	Collision integral for elastic scattering of electrons and phonons. Uspekhi Fizicheskikh Nauk, 1984, 27, 881-884.	0.3	15
64	Polarization-degenerate parametric light scattering in photorefractive crystals. Applied Physics B, Photophysics and Laser Chemistry, 1993, 56, 193-199.	1.5	15
65	Shaping of photorefractive two-wave coupling by fast phase modulation. Physical Review E, 2000, 61, 2029-2037.	0.8	15
66	Solitonlike Beam Propagation along Light-Induced Singularity of Space Charge in Fast Photorefractive Media. Physical Review Letters, 2002, 89, 033902.	2.9	15
67	Transmission and scattering properties of subwavelength slits in metals. Physical Review B, 2011, 83, .	1.1	15
68	Physical origin of mirrorless parametric oscillation in BaTiO_3. Journal of the Optical Society of America B: Optical Physics, 1994, 11, 1700.	0.9	13
69	Excitation of higher spatial harmonics by a moving light pattern in sillenites. Optics Communications, 1996, 131, 315-321.	1.0	13
70	Quasi-resonant and quasi-phase-matched nonlinear second-order phenomena in whispering-gallery resonators. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3087.	0.9	13
71	Acoustic whispering gallery modes within the theory of elasticity. Journal of Applied Physics, 2015, 118, .	1.1	13
72	Walk-off controlled self-starting frequency combs in Ï‡⁽²⁾ optical microresonators. Optics Express, 2020, 28, 18006.	1.7	13

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73	Dynamic holography effects in ferroelectrics induced by spatially oscillating photovoltaic currents. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 1333.	0.9	12
74	Polarization-anisotropic scattering lines in LiNbO3. Applied Physics B, Photophysics and Laser Chemistry, 1993, 56, 223-228.	1.5	12
75	Mechanism of transverse instability of counterpropagation in photorefractive media. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1384.	0.9	12
76	Reflection holograms in iron-doped lithium niobate. Applied Physics B: Lasers and Optics, 1997, 65, 535-539.	1.1	12
77	On macroscopic description of photorefractive phenomena. Applied Physics B: Lasers and Optics, 1999, 68, 1013-1020.	1.1	12
78	Strong permanent reversible diffraction gratings in copper-doped lithium niobate crystals caused by a zero-electric-field photorefractive effect. Applied Physics B: Lasers and Optics, 2005, 80, 227-230.	1.1	12
79	Threshold behavior of semi-linear photorefractive oscillator. European Physical Journal D, 2006, 39, 445-451.	0.6	12
80	Ultraslow Shock Waves of Electron Density in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>LiNbO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Crystals. Physical Review Letters, 2008, 101, 116601.	2.9	12
81	Whispering gallery resonators with broken axial symmetry: Theory and experiment. Optics Express, 2016, 24, 20143.	1.7	12
82	Mechanism of selfâ€organized lightâ€induced scattering in periodically poled lithium niobate. Applied Physics Letters, 1996, 69, 1349-1351.	1.5	11
83	Transversal parametric oscillation and its external stability in photorefractive sillenite crystals. Physical Review E, 1998, 57, 6112-6126.	0.8	11
84	Critical Enhancement of Photorefractive Beam Coupling. Physical Review Letters, 2000, 85, 1867-1870.	2.9	11
85	Attractors and auto-oscillations for feedback controlled photorefractive beam coupling. Optics Communications, 2001, 192, 399-405.	1.0	11
86	Nonlinear pulse deceleration using photorefractive four-wave mixing. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1949.	0.9	11
87	Universal plasmonic properties of two-dimensional nanoparticles possessing sharp corners. Physical Review B, 2013, 87, .	1.1	11
88	Dynamics of parametric conical scattering of orthogonally polarized waves in BaTiO3. Applied Physics A: Solids and Surfaces, 1992, 55, 65-72.	1.4	10
89	Stochastic photorefractive backscattering from LiNbO_3 crystals. Optics Letters, 1996, 21, 854.	1.7	10
90	Threshold for pattern formation in a medium with a local photorefractive response. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 1754.	0.9	10

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91	Ac square-wave field-induced subharmonics in photorefractive sillenite: threshold for excitation by inclusion of higher harmonics. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 103.	0.9	10
92	Grating translation technique for vectorial beam coupling and its applications to linear signal detection. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1564.	0.9	10
93	Feedback-controlled two-wave coupling in reflection geometry: application to lithium niobate crystals subjected to extremely high external electric fields. Applied Physics B: Lasers and Optics, 2003, 77, 43-48.	1.1	10
94	The choice of absorbing lines in flame atomic absorption spectrometryâ€"a new look at an old topic : Part 1. Pb. Journal of Analytical Atomic Spectrometry, 2004, 19, 706-708.	1.6	10
95	Slowdown and speedup of light pulses using the self-compensating photorefractive response. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 347.	0.9	10
96	Strong forward-backward asymmetry of stimulated Raman scattering in lithium-niobate-based whispering gallery resonators. Optics Letters, 2016, 41, 2823.	1.7	10
97	Control of mode anticrossings in whispering gallery microresonators. Optics Express, 2018, 26, 762.	1.7	10
98	Charge transport properties of undoped congruent lithium niobate crystals. Applied Physics B: Lasers and Optics, 2009, 97, 811-815.	1.1	9
99	Kinetics of photorefractive recording for circular light beams. Optics Letters, 2009, 34, 1036.	1.7	9
100	Ion and mixed electron-ion screening of charged domain walls in ferroelectrics. Europhysics Letters, 2018, 122, 67005.	0.7	9
101	Investigation of stochastic photorefractive backscattering. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 2242.	0.9	8
102	Two kinetic regimes for high-temperature photorefractive phenomena in LiNbO_3. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 148.	0.9	8
103	Steady-state analysis of ac subharmonic generation in photorefractive sillenite crystals. Physical Review A, 1998, 58, 1601-1604.	1.0	8
104	Resonant vectorial wave coupling in cubic photorefractive crystals. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 985.	0.9	8
105	Regimes of feedback-controlled beam coupling. Physical Review E, 2005, 72, 016621.	0.8	8
106	Eigenmodes for the problem of extraordinary light transmission through subwavelength holes. Europhysics Letters, 2007, 80, 24002.	0.7	8
107	Optical properties of periodic arrays of subwavelength slits in a perfect metal. Physical Review B, 2011, 84, .	1.1	8
108	The determination of gypsum and lime in small samples of set plaster by a DSCâ€"computer method. Thermochimica Acta, 1980, 37, 337-341.	1.2	7

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109	Transient processes for two-beam interaction in photorefractive crystals. Optics Communications, 1990, 79, 345-348.	1.0	7
110	Methods for comparing the performances of flame atomisers for atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1990, 5, 399.	1.6	7
111	Instability of the resonance enhancement of moving photorefractive gratings. Optics Letters, 1993, 18, 702.	1.7	7
112	Linear phase demodulation in photorefractive crystals with nonlocal response. Journal of Applied Physics, 2001, 90, 3135-3141.	1.1	7
113	Coupling effects for counterpropagating light beams in lithium niobate crystals studied by grating translation technique for extremely high external electric fields. Journal of Applied Physics, 2003, 94, 6274-6279.	1.1	7
114	Femtosecond recording and time-resolved readout of spatial gratings in lithium niobate crystals. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 419.	0.9	7
115	Frequency degenerate and non-degenerate nonlinear regimes for semi-linear photorefractive oscillator. European Physical Journal D, 2007, 41, 363-369.	0.6	7
116	Photorefractive manipulation of light pulses. Physical Review A, 2008, 77, .	1.0	7
117	Vectorial perturbation theory for axisymmetric whispering gallery resonators. Physical Review A, 2019, 99, .	1.0	7
118	Photoelectric effects in ferroelectrics with high-mobile nonequilibrium electrons. Ferroelectrics, 1982, 43, 125-129.	0.3	6
119	Analysis of space-charge wave effects in GaAs:EL2. Physical Review B, 1996, 54, 13737-13743.	1.1	6
120	Semi-empirical approach to the calculation of instrumental detection limits in inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 1998, 13, 69-74.	1.6	6
121	Instability of the resonance excitation of space-charge waves in sillenite crystals. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 556.	0.9	6
122	Parametric scattering processes in photorefractive periodically poled lithium niobate. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1582.	0.9	6
123	Quantitative characterization of periodically poled lithium niobate by electrically induced Bragg diffraction. Applied Physics Letters, 2006, 88, 182910.	1.5	6
124	Deceleration and shape-transformation of light pulses duringÂphase conjugation in photorefractive media. Applied Physics B: Lasers and Optics, 2009, 95, 545-549.	1.1	6
125	Plasmonic resonances of nanowires with periodically corrugated cross sections. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3248.	0.9	6
126	Critical behavior of optical singularities near sharp metal corners and tips. Physical Review B, 2014, 89, .	1.1	6

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127	Theory of photogalvanic effect in ferroelectrics. Ferroelectrics, 1978, 22, 647-648.	0.3	5
128	Mechanisms of absolute negative photoconductivity in solids. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 112, 237-239.	0.9	5
129	Two regimes of two-beam coupling in cubic $ar{4}$]] 3m crystals. Applied Physics B: Lasers and Optics, 1999, 68, 931-936.	1.1	5
130	Rigorous three-dimensional theory of subharmonic instability in sillenites. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 1099.	0.9	5
131	Effect of domain structure fluctuations on the photorefractive response of periodically poled lithium niobate. Physical Review B, 2000, 62, 13182-13187.	1.1	5
132	X-ray-induced conductivity in iron-doped lithium niobate crystals. Physical Review B, 2003, 68, .	1.1	5
133	Space-Charge Wave Effects in Photorefractive Materials. , 2006, , 119-162.		5
134	Brillouin lasing in whispering gallery micro-resonators. New Journal of Physics, 2015, 17, 125006.	1.2	5
135	Charged domain walls under super-band-gap illumination. Physical Review B, 2017, 95, .	1.1	5
136	Interaction of potential oscillations in a magnetoactive plasma. Radiophysics and Quantum Electronics, 1974, 17, 1349-1355.	0.1	4
137	Vectorial wave interaction in cubic photorefractive crystals. Journal of Experimental and Theoretical Physics, 2001, 92, 108-122.	0.2	4
138	Description of readout processes during strong beam coupling. Physical Review E, 2004, 69, 066603.	0.8	4
139	Strong lowering of the mirrorless optical oscillation threshold by angular mismatches for nonlocal photorefractive nonlinearity. Optics Letters, 2008, 33, 2773.	1.7	4
140	Plasmons localized at nanoscale perturbations of flat metal surface. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1607.	0.9	4
141	Selective excitation of plasmons superlocalized at sharp perturbations of metal nanoparticles. Europhysics Letters, 2015, 110, 57004.	0.7	4
142	Hopping model of photogalvanic effect in ferroelectrics. Ferroelectrics, 1987, 75, 199-208.	0.3	3
143	Bright light dots caused by interference of parametric scattering processes in LiNbO_3 crystals. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 2602.	0.9	3
144	Observations on the effect of oxidation state on the sensitivity of flame AAS determinations of tellurium. Journal of Analytical Atomic Spectrometry, 1999, 14, 895-896.	1.6	3

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145	Theory of critical enhancement of photorefractive beam coupling. Physical Review E, 2002, 65, 046623.	0.8	3
146	The performance of boosted output hollow cathode lamps in flame atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1689-1704.	1.5	3
147	Photorefractive ac-enhanced nonlinear response of sillenites: Low- and high-contrast effects. European Physical Journal D, 2003, 23, 285-290.	0.6	3
148	Formation of moving light domains during photorefractive feedback-controlled beam coupling. Optics Communications, 2003, 216, 225-231.	1.0	3
149	Solutions for vectorial beam coupling under ac field in cubic photorefractive crystals. Physical Review E, 2003, 68, 036613.	0.8	3
150	Enhanced temporal resolution in femtosecond dynamic-grating experiments. Journal of Applied Physics, 2005, 97, 113107.	1.1	3
151	Long-living currents induced by nanosecond light pulses in LiNbO3 crystals. Optics Express, 2006, 14, 1533.	1.7	3
152	Strong polarization effects in photothermal common-path interferometry. Optics Letters, 2014, 39, 3880.	1.7	3
153	Dual backgrounds and their stability during frequency comb and second harmonic generation in Ï‡⁽²⁾ microresonators. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 378.	0.9	3
154	Relaxation currents in ferroelectrics: Theory. Ferroelectrics, 1981, 39, 1209-1211.	0.3	2
155	Negative hopping photoconductivity in lattice models. Journal of Physics C: Solid State Physics, 1987, 20, 4845-4854.	1.5	2
156	Coupling of orthogonally polarized eigenwaves in BaTiO_3 by light-induced parametric scattering. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2295.	0.9	2
157	Critical slowing down of space-charge field relaxation in photorefractive sillenites. Optics Letters, 1999, 24, 1163.	1.7	2
158	Description of the photorefractive response in polymers. Optics Letters, 2001, 26, 226.	1.7	2
159	Modeling of photorefractive two-step gated recording by long-life-time intermediate levels. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 485.	0.9	2
160	Critical enhancement of nonlinear response in fast photorefractive crystals. Journal of Experimental and Theoretical Physics, 2002, 94, 470-481.	0.2	2
161	Feedback controlled periodic states for different kinds of photorefractive nonlinear response. European Physical Journal D, 2003, 23, 291-297.	0.6	2
162	Polarization properties of light-induced scattering in Bi_12TiO_20 crystals: theory and experiment for diagonal geometry. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 677.	0.9	2

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163	Theory of periodic states for feedback-controlled photorefractive nonlinear systems. Journal of Experimental and Theoretical Physics, 2004, 98, 896-907.	0.2	2
164	The choice of absorbing lines in flame atomic absorption spectrometryâ€"a new look at an old topic : Part 2. Ni. Journal of Analytical Atomic Spectrometry, 2005, 20, 121-123.	1.6	2
165	Linear detection of phase-modulated optical signals with ac-biased cubic photorefractive crystals: Influence of coupling effects. Applied Physics B: Lasers and Optics, 2006, 83, 97-105.	1.1	2
166	Photorefractive deceleration of light pulses. Journal of Experimental and Theoretical Physics, 2008, 106, 668-677.	0.2	2
167	Effects of angular pump mismatch for the semi-linear oscillator. Applied Physics B: Lasers and Optics, 2010, 99, 163-172.	1.1	2
168	Elementary processes of light transformation for slit structures in real and perfect metals. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 409-415.	1.0	2
169	Relaxation currents in ferroelectrics: Experiment. Ferroelectrics, 1981, 39, 1213-1216.	0.3	1
170	Relaxation currents and electret effect in polar materials. Ferroelectrics, 1982, 43, 157-161.	0.3	1
171	Energy exchange in shifted difference gratings in BaTiO3. Quantum Electronics, 1996, 26, 907-908.	0.3	1
172	Transverse instability threshold in counterpropagating light beams for a nonlinear medium with local photorefractive response. Journal of Experimental and Theoretical Physics, 1997, 84, 881-887.	0.2	1
173	Rigorous three-dimensional theory of the parametric excitation of space-charge waves in semiconductors. Journal of Experimental and Theoretical Physics, 1998, 87, 563-569.	0.2	1
174	Model for multiwave-pumped parametric oscillation in BaTiO 3. Applied Physics B: Lasers and Optics, 1998, 66, 347-354.	1.1	1
175	Phase conjugation in BaTiO 3 by use of the indirect photorefractive coupling of orthogonally polarized light waves. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 2018.	0.9	1
176	Elastic contributions to electro-optics. , 1999, 3904, 166.		1
177	Photorefractive ac response beyond the low-contrast limit. Optical Materials, 2001, 18, 175-178.	1.7	1
178	Optical cleaning of lithium niobate crystals. , 2009, , .		1
179	Peculiarities of coherent optical oscillation in Sn_2P_2S_6 crystals. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 725.	0.9	1
180	Fine structure of second-harmonic resonances in Ï‡(2) optical microresonators. Optics Express, 2021, 29, 13925.	1.7	1

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181	Parametric excitation of waves in an isothermal plasma. Journal of Applied Mechanics and Technical Physics, 1974, 15, 275-277.	0.1	0
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