

Mercedes Carrascosa

List of Publications by Year in Descending Order

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

149
papers

2,106
citations

26
h-index

35
g-index

170
ext. papers

2,376
ext. citations

2.9
avg, IF

4.55
L-index

#	Paper	IF	Citations
149	Droplet Ejection and Liquid Jetting by Visible Laser Irradiation in Pyro-Photovoltaic Fe-Doped LiNbO ₃ Platforms. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101164	4.6	0
148	Optoelectronic manipulation of bio-droplets containing cells or macromolecules by active ferroelectric platforms. <i>Biomedical Optics Express</i> , 2021 , 12, 6601-6613	3.5	1
147	Time evolution of photovoltaic fields generated by arbitrary light patterns in z-cut LiNbO:Fe: application to optoelectronic nanoparticle manipulation. <i>Optics Express</i> , 2020 , 28, 18085-18102	3.3	10
146	Optoelectronic generation of bio-aqueous femto-droplets based on the bulk photovoltaic effect. <i>Optics Letters</i> , 2020 , 45, 1164-1167	3	9
145	Optoelectronic generation of bio-aqueous femto-droplets based on the bulk photovoltaic effect. <i>Optics Letters</i> , 2020 , 45, 1164	3	
144	Optoelectronic Manipulation, Trapping, Splitting, and Merging of Water Droplets and Aqueous Biodroplets Based on the Bulk Photovoltaic Effect. <i>Physical Review Applied</i> , 2020 , 14,	4.3	12
143	Real-Time Operation of Photovoltaic Optoelectronic Tweezers: New Strategies for Massive Nano-object Manipulation and Reconfigurable Patterning. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900233	3.1	13
142	Low loss optical waveguides fabricated in LiTaO by swift heavy ion irradiation. <i>Optics Express</i> , 2019 , 27, 8696-8708	3.3	4
141	Synergy between pyroelectric and photovoltaic effects for optoelectronic nanoparticle manipulation. <i>Optics Express</i> , 2019 , 27, 804-815	3.3	12
140	Massive ordering and alignment of cylindrical micro-objects by photovoltaic optoelectronic tweezers. <i>Optics Letters</i> , 2018 , 43, 30-33	3	22
139	Recent Achievements on Photovoltaic Optoelectronic Tweezers Based on Lithium Niobate. <i>Crystals</i> , 2018 , 8, 65	2.3	32
138	Biological applications of ferroelectric materials. <i>Applied Physics Reviews</i> , 2018 , 5, 041101	17.3	33
137	Plasmonic Enhancement in the Fluorescence of Organic and Biological Molecules by Photovoltaic Tweezing Assembly. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700024	6.8	12
136	Nanoparticle Gratings for Compact Spectrometers: an Application of Photovoltaic Tweezers. <i>Journal of Physics: Conference Series</i> , 2017 , 867, 012032	0.3	1
135	Electrophoretic Versus Dielectrophoretic Nanoparticle Patterning Using Optoelectronic Tweezers. <i>Physical Review Applied</i> , 2017 , 7,	4.3	17
134	Optoelectronic tweezers based on photorefractive space charge fields: recent achievements and challenges. <i>Journal of Physics: Conference Series</i> , 2017 , 867, 012030	0.3	1
133	Nanoparticle manipulation and trapping by the synergy between the photovoltaic and pyroelectric effects. <i>Journal of Physics: Conference Series</i> , 2017 , 867, 012038	0.3	3

132	Diffractive optical devices produced by light-assisted trapping of nanoparticles. <i>Optics Letters</i> , 2016 , 41, 432-5	3	23
131	Pyroelectric Trapping and Arrangement of Nanoparticles in Lithium Niobate Opposite Domain Structures. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 731-736	3.8	8
130	Trapping and patterning of biological objects using photovoltaic tweezers. <i>Applied Physics Letters</i> , 2016 , 108, 023703	3.4	26
129	Efficient photo-induced dielectrophoretic particle trapping on Fe:LiNbO ₃ for arbitrary two dimensional patterning. <i>Optical Materials Express</i> , 2015 , 5, 1137	2.6	33
128	LiNbO ₃ : A photovoltaic substrate for massive parallel manipulation and patterning of nano-objects. <i>Applied Physics Reviews</i> , 2015 , 2, 040605	17.3	58
127	Comparative theoretical analysis between parallel and perpendicular geometries for 2D particle patterning in photovoltaic ferroelectric substrates. <i>Journal of the European Optical Society-Rapid Publications</i> , 2015 , 10,	2.5	16
126	Photovoltaic tweezers an emergent tool for applications in nano and bio-technology 2015 ,		2
125	Near Field Optical Microscopy in Periodically Poled LiNbO ₃ and LiTaO ₃ Superlattices. <i>Ferroelectrics</i> , 2014 , 467, 6-12	0.6	1
124	Photovoltaic laser beam degradation in lithium niobate planar waveguides: two-center model approach. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 919	1.7	
123	Optoelectronic tweezers under arbitrary illumination patterns: theoretical simulations and comparison to experiment. <i>Optics Express</i> , 2014 , 22, 29099-110	3.3	29
122	Particle trapping and structuring on the surface of LiNbO ₃ :Fe optical waveguides using photovoltaic fields. <i>Optics Letters</i> , 2014 , 39, 649-52	3	15
121	Optimization of particle trapping and patterning via photovoltaic tweezers: role of light modulation and particle size. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 265101	3	17
120	Nonlinear optical waveguides fabricated in Mg-doped LiNbO ₃ by swift heavy ion irradiation: anomalous photorefractive damage behavior. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 116, 507-514	1.9	
119	Role of particle anisotropy and deposition method on the patterning of nano-objects by the photovoltaic effect in LiNbO ₃ . <i>Optical Materials</i> , 2013 , 35, 1700-1705	3.3	22
118	Optical Waveguides Fabricated by Ion Implantation/Irradiation: A Review Optical Waveguides Fabricated by Ion Implantation/Irradiation: A Review 2012 ,		5
117	Analysis and optimization of propagation losses in LiNbO ₃ optical waveguides produced by swift heavy-ion irradiation. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 107, 157-162	1.9	11
116	Characterization and inhibition of photorefractive optical damage of swift heavy ion irradiation waveguides in LiNbO ₃ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 3000	1.7	3
115	The Domain Kinetics in Congruent Lithium Niobate Modified by Low and High Energy Ion Irradiation. <i>Ferroelectrics</i> , 2012 , 441, 17-24	0.6	1

114	Tumour cell death induced by the bulk photovoltaic effect of LiNbO ₃ :Fe under visible light irradiation. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 956-63	4.2	22
113	Photovoltaic versus optical tweezers. <i>Optics Express</i> , 2011 , 19, 24320-30	3.3	47
112	Analysis of photorefractive optical damage in lithium niobate: application to planar waveguides. <i>Optics Express</i> , 2010 , 18, 20852-61	3.3	16
111	Photorefractive non-linear single beam propagation in LiNbO ₃ waveguides above the optical damage threshold. <i>Optical Materials</i> , 2010 , 33, 103-106	3.3	4
110	Mach-Zehnder Method for Optical Damage Characterization of Planar Waveguides. <i>Ferroelectrics</i> , 2009 , 390, 41-47	0.6	1
109	Influence of the Geometrical Configuration on Optical Damage of LiNbO ₃ Planar Waveguides. <i>Ferroelectrics</i> , 2009 , 390, 36-40	0.6	
108	Photorefractive response and optical damage of LiNbO ₃ optical waveguides produced by swift heavy ion irradiation. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 429-433	1.9	21
107	Periodic poling of optical waveguides produced by swift-heavy-ion irradiation in LiNbO ₃ . <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 435-439	1.9	13
106	Correlation between photorefractive index changes and optical damage thresholds in z-cut proton-exchanged-LiNbO(3) waveguides. <i>Optics Express</i> , 2009 , 17, 658-65	3.3	8
105	Single Mode LiNbO ₃ Waveguides at 4.7 μ m by Proton Exchange: Addressing the Atmospheric M-Band. <i>Ferroelectrics</i> , 2009 , 390, 48-54	0.6	
104	Fabrication of Periodically Poled Swift Ion-irradiation Waveguides in LiNbO ₃ . <i>Ferroelectrics</i> , 2009 , 390, 29-35	0.6	4
103	Understanding light intensity thresholds for catastrophic optical damage in LiNbO ₃ . <i>Optics Express</i> , 2008 , 16, 115-20	3.3	30
102	Light-induced charge transport in LiNbO ₃ crystals. <i>Physical Review B</i> , 2008 , 78,	3.3	29
101	Light Intensity Effects in Photorefractive EPhase PE-LiNbO ₃ Waveguides. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
100	Light intensity dependence of holographic response and dark decays in Ephase PE:LiNbO ₃ waveguides. <i>Journal of Optics</i> , 2008 , 10, 104008		5
99	Novel optical waveguides by in-depth controlled electronic damage with swift ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 257, 765-770	1.2	32
98	Electric field periodical poling of lithium niobate crystals after soft-proton-exchanged waveguide fabrication. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 88, 75-78	1.9	3
97	Photorefractive EPhase Proton-Exchanged LiNbO ₃ Waveguides Prepared on Iron Doped Substrates. <i>Ferroelectrics</i> , 2007 , 352, 86-93	0.6	3

96	Tailoring of refractive index profiles in LiNbO ₃ optical waveguides by low-fluence swift-ion irradiation. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 4454-4459	3	12
95	Light-intensity measurements in optical waveguides using prism couplers. <i>Journal of Applied Physics</i> , 2007 , 102, 074509	2.5	9
94	Buried amorphous layers by electronic excitation in ion-beam irradiated lithium niobate: Structure and kinetics. <i>Journal of Applied Physics</i> , 2007 , 101, 033512	2.5	32
93	Second Order Susceptibilities and Electro-Optic Coefficients of ZN-Indiffused LiNbO ₃ Waveguides. <i>Ferroelectrics</i> , 2007 , 352, 164-170	0.6	
92	Optical damage control via the Fe ²⁺ /Fe ³⁺ ratio in proton-exchanged LiNbO ₃ waveguides. <i>Optics Letters</i> , 2007 , 32, 2294-6	3	10
91	Nonlinear optical waveguides generated in lithium niobate by swift-ion irradiation at ultralow fluences. <i>Optics Letters</i> , 2007 , 32, 2587-9	3	52
90	Fixed holograms in iron-doped lithium niobate: simultaneous self-stabilized recording and compensation. <i>Applied Optics</i> , 2007 , 46, 227-33	1.7	8
89	Optical damage in x-cut proton exchanged LiNbO ₃ planar waveguides. <i>Journal of Applied Physics</i> , 2006 , 100, 093103	2.5	16
88	Thermal Fixing of Photoinduced Gratings 2006 , 369-396		2
87	Effect of local rotations on the optical response of LiNbO ₃ : Application to ion-beam damage. <i>Europhysics Letters</i> , 2006 , 76, 1123-1129	1.6	6
86	Fundamentals of Photorefractive Phenomena 2006 , 43-82		3
85	Photorefractive fixing phenomena in alpha-phase proton-exchanged LiNbO ₃ waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 2229	1.7	5
84	Comparative study of optical damage and photovoltaic currents in planar LiNbO ₃ waveguides 2005 ,		2
83	Nearly 100% diffraction efficiency fixed holograms in oxidized iron-doped LiNbO ₃ crystals using self-stabilized recording technique. <i>Optics Communications</i> , 2005 , 247, 39-48	2	12
82	Determination of proton diffusion anisotropy by thermal decay of fixed holograms with K-vector perpendicular to the c-axis in LiNbO ₃ :Fe. <i>Applied Physics B: Lasers and Optics</i> , 2005 , 80, 351-354	1.9	5
81	Twelve-fold increase of diffraction efficiency of thermally fixed holograms in Bi ₁₂ SiO ₂₀ . <i>Journal of Applied Physics</i> , 2005 , 97, 073505	2.5	3
80	Site correlation effects in the dynamics of iron impurities Fe ²⁺ /Fe ³⁺ and antisite defects NbLi ₄ ⁺ /NbLi ₅ ⁺ after a short-pulse excitation in LiNbO ₃ . <i>Physical Review B</i> , 2005 , 72,	3.3	21
79	Superlinear photovoltaic currents in LiNbO ₃ : analyses under the two-center model. <i>Applied Physics B: Lasers and Optics</i> , 2004 , 79, 351-358	1.9	28

78	Transition from local to nonlocal photorefractive nonlinearity on increasing spatial dimensionality. <i>Optics Communications</i> , 2004 , 233, 439-444	2	2
77	Self-stabilized holographic recording in reduced and oxidized lithium niobate crystals. <i>Optics Communications</i> , 2004 , 229, 371-380	2	10
76	Superlinear photovoltaic currents in proton-exchanged LiNbO ₃ waveguides. <i>Applied Physics B: Lasers and Optics</i> , 2003 , 76, 555-559	1.9	11
75	Two-dimensional soliton-induced refractive index change in photorefractive crystals. <i>Optics Communications</i> , 2003 , 227, 193-202	2	12
74	Holographic phase-shift measurement during development of a fixed grating in lithium niobate crystals. <i>Optics Letters</i> , 2003 , 28, 1040-2	3	10
73	Holographic infrared wavelength deflector in phase proton-exchanged LiNbO ₃ waveguides 2003 ,		1
72	Long-Lifetime Photorefractive Holographic Devices via Thermal Fixing Methods 2003 , 91-112		0
71	Isotropic versus anisotropic modeling of photorefractive solitons. <i>Physical Review E</i> , 2002 , 65, 066610	2.4	23
70	Solitonlike beam propagation along light-induced singularity of space charge in fast photorefractive media. <i>Physical Review Letters</i> , 2002 , 89, 033902	7.4	12
69	Effect of the oxidation state and hydrogen concentration on the lifetime of thermally fixed holograms in LiNbO ₃ :Fe. <i>Physical Review B</i> , 2002 , 65,	3.3	39
68	Spatial frequency mixing by nonlinear charge transport in photorefractive materials. <i>Physical Review B</i> , 2002 , 65,	3.3	3
67	Locality vs. nonlocality of (2+1)-dimensional light-induced space-charge field in photorefractive crystals. <i>Europhysics Letters</i> , 2002 , 60, 847-853	1.6	14
66	Grating translation technique for vectorial beam coupling and its applications to linear signal detection. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 1564	1.7	10
65	Parametric scattering processes in photorefractive periodically poled lithium niobate. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002 , 19, 1582	1.7	5
64	Photorefractive gratings generated by band-gap excitation: Application to KNbO ₃ . <i>Applied Physics B: Lasers and Optics</i> , 2001 , 72, 697-700	1.9	4
63	Dark developing of photorefractive proton-exchanged LiNbO ₃ waveguides. <i>Optical Materials</i> , 2001 , 18, 111-114	3.3	3
62	Nonlinear mixing of spatial frequencies in photorefractive thermal fixing of holograms in LiNbO ₃ . <i>Optical Materials</i> , 2001 , 18, 115-118	3.3	2
61	Bipolar two-dimensional analysis of grating dynamics in photorefractive thin films. <i>Journal of Optics</i> , 2001 , 3, 413-420		

60	Linear phase demodulation in photorefractive crystals with nonlocal response. <i>Journal of Applied Physics</i> , 2001 , 90, 3135-3141	2.5	5
59	Optical damage inhibition and thresholding effects in lithium niobate above room temperature. <i>Optics Communications</i> , 2000 , 178, 211-216	2	25
58	Nonlinear cross talk between gratings recorded in BaTiO ₃ by mutually incoherent beam pairs. <i>Journal of Applied Physics</i> , 2000 , 88, 5527-5533	2.5	3
57	Singular behavior of light-induced space charge in photorefractive media under an ac field. <i>Physical Review Letters</i> , 2000 , 84, 3839-42	7.4	18
56	Effect of domain structure fluctuations on the photorefractive response of periodically poled lithium niobate. <i>Physical Review B</i> , 2000 , 62, 13182-13187	3.3	3
55	Study of developing thermal fixed holograms in lithium niobate. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000 , 17, 1140	1.7	40
54	Photorefractive charge compensation in E-phase proton-exchanged LiNbO ₃ waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000 , 17, 1412	1.7	18
53	Linear electroabsorption in semi-insulating GaAs/AlGaAs asymmetric double quantum wells. <i>Journal of Applied Physics</i> , 1999 , 86, 3822-3825	2.5	4
52	On macroscopic description of photorefractive phenomena. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 68, 1013-1020	1.9	10
51	Nonlinear grating interactions in multibeam photorefractive recording: theoretical investigation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999 , 16, 414	1.7	4
50	Nonlinear generation of higher-order combinational gratings during sequential recording in LiNbO ₃ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999 , 16, 1658	1.7	5
49	Selective developing and screening of fixed photorefractive holograms. <i>Optics Communications</i> , 1998 , 151, 257-262	2	7
48	Model for multiwave-pumped parametric oscillation in BaTiO ₃ . <i>Applied Physics B: Lasers and Optics</i> , 1998 , 66, 347-354	1.9	0
47	Lifetimes of thermally fixed holograms in LiNbO(3):Fe crystals. <i>Optics Letters</i> , 1998 , 23, 960-2	3	25
46	Two kinetic regimes for high-temperature photorefractive phenomena in LiNbO ₃ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 148	1.7	7
45	Effects of strong modulation on beam-coupling gain in photorefractive materials: application to B 12 SiO 20. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 2092	1.7	12
44	Calculation of beam-coupling gain and fringe bending in the photorefractive material bismuth silicon oxide under electric fields and strong modulations. <i>Physical Review B</i> , 1998 , 58, 9591-9594	3.3	4
43	Theory of high-temperature photorefractive phenomena in LiNbO ₃ crystals and applications to experiment. <i>Physical Review B</i> , 1998 , 57, 12792-12805	3.3	24

42	Quasisteady space-charge fields in photorefractive multiple quantum wells: Edge effects. <i>Physical Review B</i> , 1997 , 55, 5226-5234	3.3	13
41	Optimization of selective erasure in photorefractive memories. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 110	1.7	23
40	Effects of light modulation on grating phase shifts in photorefractive recording. <i>Optics Communications</i> , 1997 , 139, 81-84	2	3
39	An alternative design strategy for thin photorefractive polymer structures. <i>Advanced Materials</i> , 1997 , 9, 423-426	24	4
38	Photorefractive thin films. <i>Journal of Optics</i> , 1996 , 5, 495-503		7
37	Analytical and numerical study of photorefractive kinetics at high modulation depths. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 2587	1.7	21
36	Short-time photorefractive recording in multiple quantum wells: longitudinal geometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 2630	1.7	9
35	Hydrogen in lithium niobate. <i>Advances in Physics</i> , 1996 , 45, 349-392	18.4	143
34	Photorefractive effect and nonlinear susceptibilities. <i>Optical Materials</i> , 1996 , 5, 187-192	3.3	1
33	Optimization of the developing stage for fixed gratings in LiNbO ₃ . <i>Optics Communications</i> , 1996 , 126, 240-246	2	12
32	Time evolution of the photorefractive phase conjugation process in BaTiO ₃ . <i>Optics Communications</i> , 1996 , 131, 211-218	2	6
31	Effect of light phase-shifts on photorefractive kinetics: linear regime. <i>Optical Materials</i> , 1995 , 4, 304-307	3.3	5
30	Numerical simulation of the time evolution of photorefractive phase conjugate beams: Multigrating operation. <i>Optical Materials</i> , 1995 , 4, 326-329	3.3	5
29	Time evolution of photorefractive fixing processes in LiNbO ₃ . <i>Optical Materials</i> , 1995 , 4, 290-293	3.3	2
28	Effects of light phase-shifts on photorefractive kinetics: Computer simulations. <i>Optical Materials</i> , 1995 , 4, 461-465	3.3	4
27	Optimization of photorefractive recording by means of light phase-shifts. <i>Optics Communications</i> , 1995 , 116, 398-404	2	5
26	Holographic recording in photorefractive thin films: Edge effects. <i>Journal of Applied Physics</i> , 1995 , 78, 4840-4844	2.5	20
25	Time evolution of grating decay during photorefractive fixing processes in LiNbO ₃ . <i>Journal of Applied Physics</i> , 1995 , 77, 308-312	2.5	16

24	Nonperturbative analytical solution for steady-state photorefractive recording. <i>Optics Letters</i> , 1995 , 20, 1910-2	3	14
23	Temporal evolution of the physical response during photorefractive grating formation and erasure for BSO. <i>Journal of Applied Physics</i> , 1995 , 78, 5686-5690	2.5	12
22	Time evolution of photorefractive fixing processes in LiNbO ₃ . <i>European Materials Research Society Symposia Proceedings</i> , 1995 , 48, 290-293		
21	Subharmonic instability taking into account higher harmonics. <i>Applied Physics Letters</i> , 1994 , 64, 658-660	3.4	10
20	Recording and erasure kinetics in photorefractive materials at large modulation depths. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994 , 11, 670	1.7	33
19	Role of physical parameters on the photorefractive performance of semiconductor multiple quantum wells. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994 , 11, 1651	1.7	17
18	. <i>IEEE Journal of Quantum Electronics</i> , 1994 , 30, 875-880	2	35
17	High-temperature photorefractive effects in LiNbO ₃ :Fe. <i>Journal of Applied Physics</i> , 1993 , 73, 2709-2713	2.5	27
16	Experimental effects of light intensity modulation on the recording and erasure of holographic gratings in BSO crystals. <i>Optics Communications</i> , 1993 , 103, 22-28	2	19
15	Determination of H concentration in LiNbO ₃ by photorefractive fixing. <i>Applied Physics Letters</i> , 1992 , 60, 3212-3214	3.4	36
14	Steady holographic gratings in semiconductor multiple quantum wells. <i>Applied Physics A: Solids and Surfaces</i> , 1992 , 55, 25-29		9
13	Photorefractive phase conjugation of an image field: fidelity analysis. <i>Optics Communications</i> , 1992 , 91, 481-488	2	3
12	. <i>IEEE Journal of Quantum Electronics</i> , 1991 , 27, 509-515	2	10
11	Photorefractive fixing and related thermal effects in LiNbO ₃ . <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 5399-5406	1.8	29
10	Theoretical modeling of the fixing and developing of holographic gratings in LiNbO ₃ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1990 , 7, 2317	1.7	71
9	Role of photovoltaic drift on the initial writing and erasure rates of holographic gratings: Some implications. <i>Optics Communications</i> , 1988 , 69, 83-86	2	4
8	Erasure of holographic gratings in photorefractive materials with two active species. <i>Applied Optics</i> , 1988 , 27, 2851-7	1.7	27
7	Erasure kinetics and spectral dependence of the photorefractive effect in Fe:LiNbO ₃ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1987 , 4, 309	1.7	27

6	Kinetics for optical erasure of sinusoidal holographic gratings in photorefractive materials. <i>IEEE Journal of Quantum Electronics</i> , 1986 , 22, 1369-1375	2	34
5	Edge effect on luminescent solar concentrators. <i>Solar Cells</i> , 1985 , 15, 225-230		14
4	Lambert emitters: a simple Monte-Carlo approach to optical diffusers. <i>European Journal of Physics</i> , 1985 , 6, 183-187	0.8	4
3	Outdoor evaluation of luminescent solar concentrator prototypes. <i>Applied Optics</i> , 1985 , 24, 2028	1.7	22
2	Monte Carlo simulation of the performance of PMMA luminescent solar collectors. <i>Applied Optics</i> , 1983 , 22, 3236	1.7	57
1	Light and Thermally Induced Charge Transfer and Ejection of Micro-/Nanoparticles from Ferroelectric Crystal Surfaces. <i>Advanced Electronic Materials</i> , 2100761	6.4	0