Cornelia Denz

List of Publications by Year
in descending order

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480	8,717	50276	71685
papers	citations	46 h-index	76 g-index

511	511	511	4952
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roadmap on structured light. Journal of Optics (United Kingdom), 2017, 19, 013001.	2.2	888
2	Advanced optical trapping by complex beam shaping. Laser and Photonics Reviews, 2013, 7, 839-854.	8.7	315
3	Volume hologram multiplexing using a deterministic phase encoding method. Optics Communications, 1991, 85, 171-176.	2.1	308
4	Endoglin controls blood vessel diameter through endothelial cell shape changes in response to haemodynamic cues. Nature Cell Biology, 2017, 19, 653-665.	10.3	174
5	Airy beam induced optical routing. Applied Physics Letters, 2013, 102, .	3.3	168
6	Anomalous Interaction of Spatial Solitons in Photorefractive Media. Physical Review Letters, 1998, 80, 3240-3243.	7.8	160
7	Observation of Dipole-Mode Vector Solitons. Physical Review Letters, 2000, 85, 1424-1427.	7.8	125
8	Optical trapping gets structure: Structured light for advanced optical manipulation. Applied Physics Reviews, 2020, 7, .	11.3	116
9	Conical Diffraction and Composite Lieb Bosons in Photonic Lattices. Physical Review Letters, 2016, 116, 183902.	7.8	112
10	Annihilation of photorefractive solitons. Optics Letters, 1998, 23, 97.	3.3	95
11	Entanglement beating in free space through spinâ€“orbit coupling. Light: Science and Applications, 2018, 7, 18009-18009.	16.6	88
12	Nonlinear lattice structures based on families of complex nondiffracting beams. New Journal of Physics, 2012, 14, 033018.	2.9	81
13	Potentialities and limitations of hologram multiplexing by using the phase-encoding technique. Applied Optics, 1992, 31, 5700.	2.1	80
14	Observation of Multivortex Solitons in Photonic Lattices. Physical Review Letters, 2008, 101, 013903.	7.8	78
15	Optical assembly of microparticles into highly ordered structures using Inceâ€“Gaussian beams. Applied Physics Letters, 2011, 98, .	3.3	75
16	Reconfigurable Optically Induced Quasicrystallographic Threeâ€Dimensional Complex Nonlinear Photonic Lattice Structures. Advanced Materials, 2010, 22, 356-360.	21.0	74
17	Full 3D translational and rotational optical control of multiple rodâ€shaped bacteria. Journal of Biophotonics, 2010, 3, 468-475.	2.3	72
18	Reduced-Symmetry Two-Dimensional Solitons in Photonic Lattices. Physical Review Letters, 2006, 96, 023905.	7.8	71

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19	Mathieu beams as versatile light moulds for 3D micro particle assemblies. Optics Express, 2010, 18, 26084.	3.4	70
20	Photorefractive solitons. IEEE Journal of Quantum Electronics, 2003, 39, 3-12.	1.9	69
21	Particle-like topologies in light. Nature Communications, 2021, 12, 6785.	12.8	67
22	Increasing the structural variety of discrete nondiffracting wave fields. Physical Review A, 2011, 84, .	2.5	66
23	Manipulation, Stabilization, and Control of Pattern Formation Using Fourier Space Filtering. Physical Review Letters, 1998, 81, 1614-1617.	7.8	65
24	Observation of double-charge discrete vortex solitons in hexagonal photonic lattices. Physical Review A, 2009, 79, .	2.5	65
25	Higher-order polarization singularitites in tailored vector beams. Journal of Optics (United Kingdom), 2016, 18, 074012.	2.2	65
26	Self-bending of photorefractive solitons. Optics Communications, 1999, 170, 291-297.	2.1	63
27	Active compression-decompression cardiopulmonary resuscitation does not improve survival in patients with prehospital cardiac arrest in a physician-manned emergency medical system. Journal of Cardiothoracic and Vascular Anesthesia, 1996, 10, 178-186.	1.3	62
28	Shaping caustics into propagation-invariant light. Nature Communications, 2020, 11, 3597.	12.8	62
29	Two-dimensional self-trapped nonlinear photonic lattices. Optics Express, 2006, 14, 2851.	3.4	61
30	Nonlinear photonic lattices in anisotropic nonlocal self-focusing media. Optics Letters, 2005, 30, 869.	3.3	60
31	Dynamic and Reversible Organization of Zeolite L Crystals Induced by Holographic Optical Tweezers. Advanced Materials, 2010, 22, 4176-4179.	21.0	60
32	Holographic optical bottle beams. Applied Physics Letters, 2012, 100, .	3.3	60
33	Electroâ€“optical tunable waveguide embedded multiscan Bragg gratings in lithium niobate by direct femtosecond laser writing. Optics Express, 2014, 22, 23339.	3.4	60
34	Structure of P3HT crystals, thin films, and solutions by UV/Vis spectral analysis. Physical Chemistry Chemical Physics, 2015, 17, 28616-28625.	2.8	60
35	Optical control of arrays of photorefractive screening solitons. Optics Letters, 2003, 28, 438.	3.3	58
36	Charge sensor and particle trap based on z-cut lithium niobate. Applied Physics Letters, 2013, 103, .	3.3	58

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37	Guiding and dividing waves with photorefractive solitons. Optics Communications, 2001, 188, 55-61.	2.1	57
38	Counterpropagating self-trapped beams in photorefractive crystals. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S190-S196.	1.4	55
39	Optofluidic droplet router. Laser and Photonics Reviews, 2015, 9, 98-104.	8.7	54
40	Two-dimensional dielectrophoretic particle trapping in a hybrid crystal/PDMS-system. Optics Express, 2010, 18, 17404.	3.4	53
41	Waveguide-integrated three-dimensional quasi-phase-matching structures. Optica, 2020, 7, 28.	9.3	51
42	Self-healing high-dimensional quantum key distribution using hybrid spin-orbit Bessel states. Optics Express, 2018, 26, 26946.	3.4	50
43	Nonlinear Bloch modes in two-dimensional photonic lattices. Optics Express, 2006, 14, 1913.	3.4	49
44	Three-dimensional optically induced reconfigurable photorefractive nonlinear photonic lattices. Optics Letters, 2009, 34, 2625.	3.3	49
45	Composite Band-Gap Solitons in Nonlinear Optically Induced Lattices. Physical Review Letters, 2003, 91, 153902.	7.8	48
46	Systematic approach to complex periodic vortex and helix lattices. Optics Express, 2011, 19, 9848.	3.4	48
47	Electro-optical tunable waveguide Bragg gratings in lithium niobate induced by femtosecond laser writing. Optics Express, 2012, 20, 26922.	3.4	47
48	Nondiffracting kagome lattice. Applied Physics Letters, 2011, 98, .	3.3	46
49	Monolithic fabrication of quasi phase-matched waveguides by femtosecond laser structuring the Ï‡(2) nonlinearity. Applied Physics Letters, 2015, 107, .	3.3	46
50	Parallel optical image addition and subtraction in a dynamic photorefractive memory by phase-code multiplexing. Optics Letters, 1996, 21, 278.	3.3	44
51	Transverse modulational instabilities of counterpropagating solitons in photorefractive crystals. Optics Express, 2004, 12, 708.	3.4	44
52	Soliton formation by decelerating interacting Airy beams. Optics Express, 2015, 23, 24351.	3.4	44
53	Anderson localization of light in PT-symmetric optical lattices. Optics Letters, 2012, 37, 4455.	3.3	43
54	Dynamic modulation of PoincarÃ© beams. Scientific Reports, 2017, 7, 8076.	3.3	43

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55	Anderson localization of light near boundaries of disordered photonic lattices. Physical Review A, 2011, 83, .	2.5	42
56	Pattern dynamics and competition in a photorefractive feedback system. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 2057.	2.1	41
57	Anisotropic photonic lattices and discrete solitons in photorefractive media. Applied Physics B: Lasers and Optics, 2007, 86, 399-405.	2.2	41
58	Optical assembly of bio-hybrid micro-robots. Biomedical Microdevices, 2015, 17, 26.	2.8	41
59	Tailored intensity landscapes by tight focusing of singular vector beams. Optics Express, 2017, 25, 20194.	3.4	41
60	Polarization Singularity Explosions in Tailored Light Fields. Laser and Photonics Reviews, 2018, 12, 1700200.	8.7	41
61	High-dimensional cryptography with spatial modes of light: tutorial. Journal of the Optical Society of America B: Optical Physics, 2020, 37, A309.	2.1	41
62	Interaction of spatial photorefractive solitons. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1998, 10, 823-837.	0.9	40
63	Electric field selectivity and multiplexing of volume holograms in LiNbO3. Applied Physics B: Lasers and Optics, 2000, 71, 43-46.	2.2	39
64	Dynamics of counterpropagating multipole vector solitons. Optics Express, 2005, 13, 10717.	3.4	39
65	Second harmonic generation in multi-domain Ï‡^2 media: from disorder to order. Optics Express, 2011, 19, 11340.	3.4	39
66	Optical catastrophes of the swallowtail and butterfly beams. New Journal of Physics, 2017, 19, 053004.	2.9	39
67	Recovery of nonseparability in self-healing vector Bessel beams. Physical Review A, 2018, 98, .	2.5	39
68	Phase codes of Talbot array illumination for encoding holographic multiplexing storage. Optics Communications, 1999, 161, 209-211.	2.1	38
69	Enhanced ÄŒerenkov second-harmonic emission in nonlinear photonic structures. Optics Letters, 2012, 37, 1832.	3.3	38
70	The endothelial basement membrane acts as a checkpoint for entry of pathogenic T cells into the brain. Journal of Experimental Medicine, 2020, 217, .	8.5	37
71	Local domain inversion in MgO-doped lithium niobate by pyroelectric field-assisted femtosecond laser lithography. Applied Physics Letters, 2018, 113, .	3.3	36
72	Multiplexing and switching of virtual electrodes in optoelectronic tweezers based on lithium niobate. Optics Letters, 2012, 37, 3744.	3.3	35

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73	Elegant Gaussian beams for enhanced optical manipulation. Applied Physics Letters, 2015, 106, .	3.3	35
74	Two-dimensional solitons with hidden and explicit vorticity in bimodal cubic-quintic media. Physical Review E, 2005, 71, 026615.	2.1	34
75	Towards 3D modelling and imaging of infection scenarios at the single cell level using holographic optical tweezers and digital holographic microscopy. Journal of Biophotonics, 2013, 6, 260-266.	2.3	34
76	Volume holographic storage demonstrator based on phase-coded multiplexing. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 832-839.	2.9	33
77	Anisotropic waveguides induced by photorefractive (2+1)D solitons. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1145.	2.1	33
78	Gradient Induced Motion Control of Drifting Solitary Structures in a Nonlinear Optical Single Feedback Experiment. Physical Review Letters, 2008, 100, 233902.	7.8	33
79	Self-pumped phase conjugation of light beams carrying orbital angular momentum. Optics Express, 2009, 17, 22791.	3.4	33
80	Nonlinearities in Periodic Structures and Metamaterials. Springer Series in Optical Sciences, 2010, , .	0.7	33
81	Opticalâ€Tweezers Assemblyâ€Line for the Construction of Complex Functional Zeolite L Structures. Advanced Materials, 2012, 24, 5199-5204.	21.0	32
82	Highly reduced iron-doped lithium niobate for optoelectronic tweezers. Applied Physics B: Lasers and Optics, 2013, 113, 191-197.	2.2	32
83	All-optical switching in optically induced nonlinear waveguide couplers. Applied Physics Letters, 2014, 104, .	3.3	32
84	Holographic optical tweezersâ€based in vivo manipulations in zebrafish embryos. Journal of Biophotonics, 2017, 10, 1492-1501.	2.3	32
85	Dynamics of the optical swallowtail catastrophe. Optica, 2017, 4, 1157.	9.3	32
86	Optical grinder: sorting of trapped particles by orbital angular momentum. Optics Express, 2021, 29, 12967.	3.4	32
87	Self-trapped bidirectional waveguides in a saturable photorefractive medium. Physical Review E, 2003, 68, 025601.	2.1	31
88	Dynamics of formation and interaction of photorefractive screening solitons. Physical Review E, 1999, 60, 6222-6225.	2.1	30
89	Multicomponent dipole-mode spatial solitons. Optics Letters, 2002, 27, 634.	3.3	30
90	Discrete and dipole-mode gap solitons in higher-order nonlinear photonic lattices. Applied Physics B: Lasers and Optics, 2007, 89, 521-526.	2.2	30

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91	Threeâ€Dimensional Exploration and Mechanoâ€Biophysical Analysis of the Inner Structure of Living Cells. Small, 2013, 9, 885-893.	10.0	30
92	Compact flat band states in optically induced flatland photonic lattices. Applied Physics Letters, 2017, 111, .	3.3	30
93	Bismuth tellurite â€" a new material for holographic memory. Optics Communications, 2000, 177, 105-109.	2.1	29
94	Solitonic lattices in photorefractive crystals. Physical Review E, 2003, 68, 055601.	2.1	29
95	Optically induced photonic superlattices by holographic multiplexing. Journal Physics D: Applied Physics, 2008, 41, 224004.	2.8	29
96	Spontaneous formation of hexagons, squares and squeezed hexagons in a photorefractive phase conjugator with virtually internal feedback mirror. Optics Communications, 1997, 133, 293-299.	2.1	28
97	Controlling ghost traps in holographic optical tweezers. Optics Letters, 2011, 36, 3657.	3.3	28
98	Nonlinear optical beams carrying phase dislocations. Journal of Optics, 2004, 6, S209-S212.	1.5	27
99	Structure analysis of two-dimensional nonlinear self-trapped photonic lattices in anisotropic photorefractive media. Physical Review E, 2006, 74, 057601.	2.1	27
100	Biolens behavior of RBCs under opticallyâ€induced mechanical stress. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 527-533.	1.5	27
101	Massive ordering and alignment of cylindrical micro-objects by photovoltaic optoelectronic tweezers. Optics Letters, 2018, 43, 30.	3.3	27
102	Sculpting complex polarization singularity networks. Optics Letters, 2018, 43, 5821.	3.3	27
103	Dynamic counterpropagating vector solitons in saturable self-focusing media. Physical Review E, 2003, 68, 066611.	2.1	26
104	Domain-shape-based modulation of ÄŒerenkov second-harmonic generation in multidomain strontium barium niobate. Optics Letters, 2011, 36, 4371.	3.3	26
105	Transverse localization of light in nonlinear photonic lattices with dimensionality crossover. Physical Review A, 2011, 84, .	2.5	26
106	3D Imaging of Ferroelectric Kinetics during Electrically Driven Switching. Advanced Materials, 2017, 29, 1603325.	21.0	26
107	Interaction of two-dimensional spatial incoherent solitons in photorefractive medium. Applied Physics B: Lasers and Optics, 1999, 68, 975-982.	2.2	25
108	Spatial optical (2+1)-dimensional scalar- and vector-solitons in saturable nonlinear media. Annalen Der Physik, 2002, 11, 573-629.	2.4	25

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109	Sculptured 3D twister superlattices embedded with tunable vortex spirals. Optics Letters, 2011, 36, 3512.	3.3	25
110	Complex light fields enter a new dimension: holographic modulation of polarization in addition to amplitude and phase. Proceedings of SPIE, 2015, , .	0.8	25
111	Two Dimensional Counterpropagating Spatial Solitons in Photorefractive Crystals. Physical Review Letters, 2005, 95, 053901.	7.8	24
112	Analysis of transverse Anderson localization in refractive index structures with customized random potential. Optics Express, 2013, 21, 31713.	3.4	24
113	Counterpropagating optical beams and solitons. Laser and Photonics Reviews, 2011, 5, 214-233.	8.7	23
114	Embedding defect sites into hexagonal nondiffracting wave fields. Optics Letters, 2012, 37, 5009.	3.3	23
115	Polarization nano-tomography of tightly focused light landscapes by self-assembled monolayers. Nature Communications, 2019, 10, 4308.	12.8	23
116	Enhanced four-wave mixing in photorefractive BaTiO3 by use of tilted pump waves. Optics Communications, 1989, 72, 129-134.	2.1	22
117	Electrically controlled volume LiNbO3 holograms for wavelength demultiplexing systems. Optical Materials, 2001, 18, 191-194.	3.6	22
118	Opto-electric particle manipulation on a bismuth silicon oxide crystal. Applied Physics Letters, 2012, 100, .	3.3	22
119	Chiral Light in Helically Twisted Photonic Lattices. Advanced Optical Materials, 2017, 5, 1600629.	7.3	22
120	Three-dimensional data acquisition by digital correlation ofÂprojected speckle patterns. Applied Physics B: Lasers and Optics, 2010, 99, 449-456.	2.2	21
121	Dynamic multiple-beam counter-propagating optical traps using optical phase-conjugation. Optics Express, 2010, 18, 22348.	3.4	21
122	Managing Hierarchical Supramolecular Organization with Holographic Tweezers. Optics and Photonics News, 2010, 21, 40.	0.5	21
123	Cascaded ÄŒerenkov third-harmonic generation in random quadratic media. Applied Physics Letters, 2011, 99, 241109.	3.3	21
124	Anderson localization of light at the interface between linear and nonlinear dielectric media with an optically induced photonic lattice. Physical Review A, 2012, 85, .	2.5	21
125	Light localization in optically induced deterministic aperiodic Fibonacci lattices. Optica, 2016, 3, 711.	9.3	21
126	Spatial multiplexing for tailored fully-structured light. Journal of Optics (United Kingdom), 2018, 20, 105606.	2.2	21

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127	Multiple-pattern stability in a photorefractive feedback system. Applied Physics B: Lasers and Optics, 1999, 69, 429-433.	2.2	20
128	Hybrid multinary modulation codes for page-oriented holographic data storage. Journal of Optics, 2008, 10, 115305.	1.5	20
129	Photophoretic trampolineâ€"Interaction of single airborne absorbing droplets with light. Applied Physics Letters, 2012, 101, .	3.3	20
130	Control of Airy-beam self-acceleration by photonic lattices. Physical Review A, 2014, 90, .	2.5	20
131	Optical singularities and MÃ¶bius strip arrays in tailored non-paraxial light fields. Optics Express, 2019, 27, 29685.	3.4	20
132	Analysis of irregular fluctuations in a self-pumped BaTiO3 phase-conjugate mirror. Optics Communications, 1992, 88, 160-166.	2.1	19
133	Control of broad-area vertical-cavity surface emitting laser emission by optically induced photonic crystals. Applied Physics Letters, 2008, 93, .	3.3	19
134	Multimodal biophotonic workstation for live cell analysis. Journal of Biophotonics, 2012, 5, 9-13.	2.3	19
135	ÄŒerenkov-type second-harmonic spectroscopy in random nonlinear photonic structures. Optics Express, 2013, 21, 8220.	3.4	19
136	Multiplexing complex two-dimensional photonic superlattices. Optics Express, 2012, 20, 27331.	3.4	18
137	Liquidity crisis detection: An application of log-periodic power law structures to default prediction. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3666-3681.	2.6	18
138	Optical induction scheme for assembling nondiffracting aperiodic Vogel spirals. Applied Physics Letters, 2014, 104, 191101.	3.3	18
139	Simultaneous acquisition of 3D shape and deformation by combination of interferometric and correlation-based laser speckle metrology. Biomedical Optics Express, 2015, 6, 4825.	2.9	18
140	General formalism for angular and phase-encoding multiplexing in holographic image storage. Optical Materials, 1995, 4, 428-432.	3.6	17
141	Innovative Sensitizer DiPBI Outperforms PCBM. Advanced Materials, 2012, 24, 2104-2108.	21.0	17
142	Pearcey solitons in curved nonlinear photonic caustic lattices. Journal of Optics (United Kingdom), 2017, 19, 094001.	2.2	17
143	Optical Neural Networks. , 1998, , .		17
144	Demonstrator concepts and performance of a photorefractive optical novelty filter. Optical Materials, 1995, 4, 376-380.	3.6	16

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145	Differentiation and subtraction of amplitude and phase images using a photorefractive novelty filter. Applied Physics B: Lasers and Optics, 1999, 68, 1047-1054.	2.2	16
146	Stabilization and breakup of coupled dipole-mode beams in an anisotropic nonlinear medium. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 557.	2.1	16
147	Stabilization of counterpropagating solitons by photonic lattices. Optics Express, 2007, 15, 6279.	3.4	16
148	Dynamic Diffraction and Interband Transitions in Two-Dimensional Photonic Lattices. Physical Review Letters, 2011, 106, 083902.	7.8	16
149	Coherent refreshment and updating for dynamic photorefractive optical memories using phase conjugation. Optics Communications, 1995, 119, 333-340.	2.1	15
150	Forcing and control of localized states in optical single feedback systems. Applied Physics B: Lasers and Optics, 2005, 81, 927-936.	2.2	15
151	Detection of microorganismic flows by linear and nonlinear optical methods and automatic correction of erroneous images artefacts and moving boundaries in image generating methods by a neuronumerical hybrid implementing the Taylorâ€™s hypothesis as a priori knowledge. Experiments in Fluids, 2007, 42, 611-623.	2.4	15
152	Anisotropy-controlled topological stability of discrete vortex solitons in optically induced photonic lattices. Optics Letters, 2010, 35, 604.	3.3	15
153	P3HT:DiPBI bulk heterojunction solar cells: morphology and electronic structure probed by multiscale simulation and UV/vis spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 6217-6227.	2.8	15
154	Real-time phase measurement with a photorefractive novelty filter microscope. Journal of Optics, 2003, 5, S239-S243.	1.5	14
155	Holographic phase contrast for dynamic multiple-beam optical tweezers. Journal of Optics, 2009, 11, 034010.	1.5	14
156	Enhancing the sensitivity of an adaptive holographic interferometer using non-Bragg diffraction orders. Optics Letters, 1997, 22, 1902.	3.3	13
157	Fourier control of pattern formation in an interferometric feedback configuration. Optics Communications, 1999, 170, 129-136.	2.1	13
158	Origin and Control of Dynamics of HexagonalPatterns in a Photorefractive Feedback System. Chaos, Solitons and Fractals, 1999, 10, 701-707.	5.1	13
159	Dipole-mode vector solitons in anisotropic photorefractive media. Optics Communications, 2001, 197, 161-167.	2.1	13
160	Novelty filtering with a photorefractive lithiumâ€“niobate crystal. Applied Physics Letters, 2005, 87, 071105.	3.3	13
161	Dynamic instability of self-induced bidirectional waveguides in photorefractive media. Optics Letters, 2005, 30, 750.	3.3	13
162	Holographic data storage in photorefractive bismuth tellurite. Journal Physics D: Applied Physics, 2008, 41, 224006.	2.8	13

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163	Spatiotemporally Resolved Tracking of Bacterial Responses to ROS-Mediated Damage at the Single-Cell Level with Quantitative Functional Microscopy. ACS Applied Materials & Interfaces, 2016, 8, 15046-15057.	8.0	13
164	Controlled soliton formation in tailored Bessel photonic lattices. Optics Express, 2016, 24, 12933.	3.4	13
165	Lithium Niobate Micromachining for the Fabrication of Microfluidic Droplet Generators. Micromachines, 2017, 8, 185.	2.9	13
166	Multi-component vector solitons in photorefractive crystals. Optics Communications, 2002, 209, 501-506.	2.1	12
167	Full-field particle velocimetry with a photorefractive optical novelty filter. Applied Physics Letters, 2008, 93, 021108.	3.3	12
168	Photonic ratchet superlattices by optical multiplexing. Optics Letters, 2012, 37, 797.	3.3	12
169	Optical tweezers induced photodamage in living cells quantified with digital holographic phase microscopy. , 2012, , .		12
170	Intensity crosstalk and angular selectivity of multibeam coupling in photorefractive BaTiO3. Optics Communications, 1990, 77, 65-70.	2.1	11
171	‹title›Digital volume holographic data storage using phase-coded multiplexing‹/title›. , 1999, 3802, 142.		11
172	Transverse modulational instability in counterpropagating two-wave mixing with frequency-detuned pump beams. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 628.	2.1	11
173	Associative recall in a volume holographic storage system based on phase-code multiplexing. Applied Physics B: Lasers and Optics, 2001, 73, 839-845.	2.2	11
174	Unitary matrices for phase-coded holographic memories. Optics Letters, 2006, 31, 1047.	3.3	11
175	Photorefractive materials, effects, and devices: controlÂofÂlightÂandÂmatter. Applied Physics B: Lasers and Optics, 2009, 95, 389-390.	2.2	11
176	T-junction droplet generator realised in lithium niobate crystals by laser ablation. Optofluidics, Microfluidics and Nanofluidics, 2014, 1, .	0.5	11
177	Synthesis and photo-postmodification of zeolite L based polymer brushes. Polymer Chemistry, 2015, 6, 4221-4229.	3.9	11
178	Measuring facial symmetry: a perception-based approach using 3D shape and color. Biomedizinische Technik, 2015, 60, 39-47.	0.8	11
179	Observation of transverse coherent backscattering in disordered photonic structures. Scientific Reports, 2017, 7, 10439.	3.3	11
180	Shaping optical spin flow topologies by the translation of tailored orbital phase flow. Journal of Optics (United Kingdom), 2019, 21, 064001.	2.2	11

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181	Generalized theory of the resolution of object tracking novelty filters. Optics Communications, 1995, 116, 25-30.	2.1	10
182	Stabilization, manipulation and control of transverse optical patterns in a photorefractive feedback system. Journal of Optics B: Quantum and Semiclassical Optics, 1999, 1, 114-120.	1.4	10
183	Cardiac Troponin I and cardiac Troponin T increases in pigs during ischemia-reperfusion damage. Experimental and Toxicologic Pathology, 2000, 52, 157-159.	2.1	10
184	Non-volatile volume holograms in bismuth tellurite crystals. Journal of Optics, 2003, 5, S444-S447.	1.5	10
185	A phase-triggering technique to extend the phase-measurement range of a photorefractive novelty filter microscope. Applied Physics B: Lasers and Optics, 2004, 79, 497-501.	2.2	10
186	Incoherent vector vortex-mode solitons in self-focusing nonlinear media. Optics Letters, 2004, 29, 2285.	3.3	10
187	Dynamic and static position control of optical feedback solitons. Chaos, 2007, 17, 037113.	2.5	10
188	Integrated optics on Lithium Niobate for sensing applications. Proceedings of SPIE, 2015, , .	0.8	10
189	Polycrystalline diamond photonic waveguides realized by femtosecond laser lithography. Optical Materials Express, 2019, 9, 3109.	3.0	10
190	Localized States Emerging from Singular and Nonsingular Flat Bands in a Frustrated Fractalâ€Like Photonic Lattice. Advanced Optical Materials, 0, , 2102523.	7.3	10
191	Manipulation of optical patterns by frequency detuning of the pump beams. Journal of Optics B: Quantum and Semiclassical Optics, 2001, 3, 318-327.	1.4	9
192	Generation of higher-order optical (2+1)-dimensional spatial vector solitons in a nonlinear anisotropic medium. Physical Review E, 2001, 64, 056601.	2.1	9
193	Digital data storage in a phase-encoded holographic memory system: data quality and security. , 2003, , .		9
194	Transverse pattern formation and its control in photorefractive optics. Annalen Der Physik, 2004, 13, 391-402.	2.4	9
195	Counterpropagating dipole-mode vector soliton. Optics Letters, 2005, 30, 1042.	3.3	9
196	Slow and fast light in photorefractive SBN:60. Journal of Optics (United Kingdom), 2010, 12, 104011.	2.2	9
197	Characterization of the 3D resolution of topometric sensors based on fringe and speckle pattern projection by a 3D transfer function. Optics and Lasers in Engineering, 2012, 50, 465-472.	3.8	9
198	Two-photon fabrication of organic solid-state distributed feedback lasers in rhodamine 6G doped SU-8. Applied Physics B: Lasers and Optics, 2014, 117, 311-315.	2.2	9

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199	Shaping light in 3d space by counter-propagation. Scientific Reports, 2021, 11, 18019.	3.3	9
200	Four-wave mixing in photorefractive crystals with depleted pumps. Optics Letters, 1988, 13, 321.	3.3	8
201	Circling Vortices and Pattern Dynamics in aUnidirectional Photorefractive Ring Oscillator. Chaos, Solitons and Fractals, 1999, 10, 725-730.	5.1	8
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