

David D Nolte

List of Publications by Year in descending order

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327
papers

6,065
citations

66234

42
h-index

95083

68
g-index

340
all docs

340
docs citations

340
times ranked

3988
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring Fracture Saturation With Internal Seismic Sources and Twin Neural Networks. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	6
2	Phenotyping drug response of living tissue based on tissue-dynamics spectroscopy. , 2022, , .		0
3	Intracellular Doppler Spectroscopy and Deep Learning for Personalized Cancer Care. , 2021, , .		0
4	Phase-Sensitive Intracellular Doppler Fluctuation Spectroscopy. Physical Review Applied, 2021, 15, .	1.5	4
5	Doppler imaging detects bacterial infection of living tissue. Communications Biology, 2021, 4, 178.	2.0	6
6	Common-path interferometer for digital holographic Doppler spectroscopy of living biological tissues. Journal of Biomedical Optics, 2021, 26, .	1.4	3
7	Editorial Introduction to JSTQE Special Issue on Biophotonics. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-4.	1.9	0
8	Biodynamic signatures from ex vivo bone marrow aspirates are associated with chemotherapy-induced neutropenia in cancer-bearing dogs. Veterinary Medicine and Science, 2021, 7, 665-673.	0.6	1
9	Dynamic-Contrast Digital Holography with Deep Learning for Cancer Chemotherapy Selection. , 2021, , .		0
10	Biodynamic digital holographic speckle microscopy for oocyte and embryo metabolic evaluation. Applied Optics, 2021, 60, A222.	0.9	6
11	Intracellular Doppler spectroscopy and deep learning in clinical trials to personalize cancer chemotherapy. , 2021, , .		0
12	Intracellular optical doppler phenotypes of chemosensitivity in human epithelial ovarian cancer. Scientific Reports, 2020, 10, 17354.	1.6	13
13	Probing complex geophysical geometries with chattering dust. Nature Communications, 2020, 11, 5282.	5.8	11
14	The fall and rise of the Doppler effect. Physics Today, 2020, 73, 30-35.	0.3	7
15	Abstract LB-264: Biodynamic chemotherapy selection in breast cancer patients. , 2020, , .		0
16	Tissue dynamics spectroscopic imaging: functional imaging of heterogeneous cancer tissue. Journal of Biomedical Optics, 2020, 25, .	1.4	5
17	Antibiotic Selection for Resistant Bacteria Infecting Living Tissue using Biodynamic Imaging. , 2020, , .		0
18	Translating Doppler Digital Holography to the Cancer Clinic. , 2020, , .		0

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19	La chute et l'ascension de l'effet Doppler. Pour la science Fr, 2020, N° 516, 72-78.	0.0	0
20	Intracellular Doppler Spectroscopy detects altered drug response in SKOV3 tumor spheroids with silenced or inhibited P-glycoprotein. Biochemical and Biophysical Research Communications, 2019, 514, 1154-1159.	1.0	3
21	Modernizing classical physics. Physics World, 2019, 32, 19-19.	0.0	0
22	Doppler fluctuation spectroscopy of intracellular dynamics in living tissue. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 665.	0.8	31
23	Doppler Detection of Pathogenic Activity in Living Tissue by Biodynamic Imaging. , 2019, , .		0
24	Biodynamic optical assay for embryo viability. Journal of Biomedical Optics, 2019, 24, 1.	1.4	2
25	Doppler imaging of intracellular dynamics in clinical cancer chemotherapy. , 2019, , .		0
26	Biodynamic digital holography of chemoresistance in a pre-clinical trial of canine B-cell lymphoma. Biomedical Optics Express, 2018, 9, 2214.	1.5	34
27	Diffraction-based BioCD biosensor for point-of-care diagnostics. , 2018, , .		1
28	Intracellular Doppler Imaging Clinical Trials in Personalized Cancer Care. , 2018, , .		0
29	Biodynamic imaging of therapeutic efficacy for canine B-cell lymphoma: preclinical trial results. , 2018, , .		0
30	A potential non-invasive approach to evaluating blastocyst quality using biodynamic imaging. , 2018, , .		0
31	Abstract 2849: Biodynamic imaging predicts response of breast cancer patients to neoadjuvant chemotherapy. , 2018, , .		0
32	Common-path biodynamic imaging for dynamic fluctuation spectroscopy of 3D living tissue. , 2017, , .		0
33	Biodynamic imaging for phenotypic profiling of three-dimensional tissue culture. Journal of Biomedical Optics, 2017, 22, 016007.	1.4	13
34	Intersection Waves. Journal of Geophysical Research: Solid Earth, 2017, 122, 7824-7838.	1.4	3
35	Abstract 2046: Investigation of MDR1 in ovarian cancer using biodynamic imaging. , 2017, , .		0
36	Height Resolution of Antibody Spots Measured by Spinning-Disk Interferometry on the BioCD. Micromachines, 2016, 7, 31.	1.4	0

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37	Intracellular Doppler Signatures of Platinum Sensitivity Captured by Biodynamic Profiling in Ovarian Xenografts. <i>Scientific Reports</i> , 2016, 6, 18821.	1.6	16
38	Biodynamic Doppler imaging of subcellular motion inside 3D living tissue culture and biopsies (Conference Presentation). , 2016, , .		0
39	Biodynamic profiling of three-dimensional tissue growth techniques. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
40	Approaching a universal scaling relationship between fracture stiffness and fluid flow. <i>Nature Communications</i> , 2016, 7, 10663.	5.8	133
41	Abstract 1541: Heterogeneous response to platinum in metastatic ovarian cancer detectable by biodynamic imaging. , 2016, , .		0
42	The Biodynamic Microscope: Doppler Imaging inside Living 3D Biological Tissues. <i>Microscopy and Microanalysis</i> , 2015, 21, 7-8.	0.2	2
43	Predictive value of <i>ex vivo</i> biodynamic imaging in determining response to chemotherapy in dogs with spontaneous non-Hodgkinâ€™s lymphomas: a preliminary study. <i>Convergent Science Physical Oncology</i> , 2015, 1, 015003.	2.6	12
44	Biodynamic imaging for artificial reproductive technology. <i>Molecular Reproduction and Development</i> , 2015, 82, 500-500.	1.0	0
45	Biodynamic imaging of live porcine oocytes, zygotes and blastocysts for viability assessment in assisted reproductive technologies. <i>Biomedical Optics Express</i> , 2015, 6, 963.	1.5	18
46	Digital holography of intracellular dynamics to probe tissue physiology. <i>Applied Optics</i> , 2015, 54, A89.	0.9	7
47	Bragg holography in active semiconductor microcavities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1406.	0.9	0
48	Motility Contrast Imaging and Tissue Dynamics Spectroscopy. , 2015, , 1189-1205.		0
49	Holographic Optical Coherence Imaging. , 2015, , 941-964.		0
50	Abstract 208: Novel intracellular Doppler imaging predicts therapeutic efficacy for personalized medicine. , 2015, , .		0
51	Role of cellular adhesions in tissue dynamics spectroscopy. , 2014, , .		0
52	Phenotypic Profiling of Raf Inhibitors and Mitochondrial Toxicity in 3D Tissue Using Biodynamic Imaging. <i>Journal of Biomolecular Screening</i> , 2014, 19, 526-537.	2.6	28
53	Combined Scaling of Fluid Flow and Seismic Stiffness in Single Fractures. <i>Rock Mechanics and Rock Engineering</i> , 2014, 47, 1613-1623.	2.6	37
54	Biodynamic 3D Imaging for Personalized Cancer Care. , 2014, , .		0

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55	Biodynamic Imaging: Rethinking Cancer Care using Light-Scattering Theranostics. , 2014, , .		0
56	Motility contrast imaging of live porcine cumulus-oocyte complexes. , 2013, , .		0
57	Active holography in InGaAs/InP quantum-well microcavities. Optics Letters, 2013, 38, 2792.	1.7	2
58	Live tissue viability and chemosensitivity assays using digital holographic motility contrast imaging. Applied Optics, 2013, 52, A300.	0.9	12
59	Laser and Photonic Systems Integration: Emerging Innovations and Framework for Research and Education. Human Factors and Ergonomics in Manufacturing, 2013, 23, 483-516.	1.4	7
60	Scaling of fluid flow versus fracture stiffness. Geophysical Research Letters, 2013, 40, 2076-2080.	1.5	57
61	Dynamic holography in quantum well cavities. Proceedings of SPIE, 2013, , .	0.8	1
62	Holographic Motility Contrast Imaging of Live Tissues. , 2013, , 211-228.		1
63	Tissue dynamics spectroscopy for phenotypic profiling of drug effects in three-dimensional culture. Biomedical Optics Express, 2012, 3, 2825.	1.5	47
64	Molecular layer detection on a diffractive optical balance. Optics Letters, 2012, 37, 4098.	1.7	3
65	Label-free mitosis detection in tumor spheroids using tissue dynamics imaging. Proceedings of SPIE, 2012, , .	0.8	0
66	Identifying mitosis deep in tissue using dynamic light scattering fluctuation spectroscopy. , 2012, , .		1
67	Pinned films and capillary hysteresis in microfluidic channels. Lab on A Chip, 2012, 12, 2858.	3.1	9
68	Interference Microscopy. , 2012, , 251-272.		0
69	Interferometry. , 2012, , 3-48.		1
70	Holography of Tissues. , 2012, , 307-333.		3
71	Surface Optics. , 2012, , 123-145.		0
72	Cell Structure and Dynamics. , 2012, , 227-249.		0

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73	Light Propagation in Tissue. , 2012, , 275-296.		1
74	Interferometric Waveguide Sensors. , 2012, , 197-223.		0
75	Motility Contrast Imaging and Fluctuation Spectroscopy of Living Tissue. , 2012, , .		0
76	Digital Holography of Cellular Motions in Live Tissue. , 2012, , .		0
77	Hysteresis and interfacial energies in smooth-walled microfluidic channels. Water Resources Research, 2011, 47, .	1.7	15
78	The role of cellular environment in dynamic light scattering. Proceedings of SPIE, 2011, , .	0.8	0
79	Nanoparticle light scattering on interferometric surfaces. , 2011, , .		0
80	Digital holography and tissue dynamics spectroscopy: on the road to high-content drug discovery. Proceedings of SPIE, 2011, , .	0.8	0
81	Prostate specific antigen detection in patient sera by fluorescence-free BioCD protein array. Biosensors and Bioelectronics, 2011, 26, 1871-1875.	5.3	26
82	Holographic tissue dynamics spectroscopy. Journal of Biomedical Optics, 2011, 16, 087004.	1.4	45
83	Tissue Dynamics Spectroscopy for Three-Dimensional Tissue-Based Drug Screening. Journal of the Association for Laboratory Automation, 2011, 16, 431-442.	2.8	12
84	Fluctuation spectroscopy in low-coherence dynamic light scattering of tissue responding to pharmacologicals. Proceedings of SPIE, 2010, , .	0.8	0
85	Limit of detection for a bead-based diffraction biosensor. , 2010, , .		2
86	Phase-Sensitive Motility Contrast Imaging of Tumor Response to Drugs. , 2010, , .		0
87	Large-format fabrication by two-photon polymerization in SU-8. Applied Physics A: Materials Science and Processing, 2010, 100, 181-191.	1.1	21
88	Living Motion as Label-Free Imaging Contrast in Three-Dimensional Tissue-Based Drug Screening. , 2010, , .		0
89	Molecular water accumulation on silica measured with picometer height resolution. , 2010, , .		0
90	Interferometric detection of early markers for epithelial ovarian cancer and prognostic markers for acute lymphocytic leukemia. Proceedings of SPIE, 2010, , .	0.8	0

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91	Speckle fluctuation spectroscopy of intracellular motion in living tissue using coherence-domain digital holography. <i>Journal of Biomedical Optics</i> , 2010, 15, 030514.	1.4	38
92	Ambient molecular water accumulation on silica surfaces detected by a reflectance interference optical balance. <i>Applied Physics Letters</i> , 2010, 97, 183702.	1.5	5
93	Mass-transport limitations in spot-based microarrays. <i>Biomedical Optics Express</i> , 2010, 1, 983.	1.5	12
94	Refractive index and dielectric constant transition of ultra-thin gold from cluster to Film. <i>Optics Express</i> , 2010, 18, 24859.	1.7	35
95	The tangled tale of phase space. <i>Physics Today</i> , 2010, 63, 33-38.	0.3	365
96	Phase-sensitive Motility Imaging of Tumor Response to Drugs in Digital Holography. , 2010, , .		0
97	High Spatial Resolution Molecular Interferometric Imaging Study of Affinity Binding. , 2009, , .		0
98	High-speed spinning-disk interferometry on the BioCD for human diagnostic applications. , 2009, 2009, 6368-71.		0
99	Prostate-specific antigen immunoassays on the BioCD. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1151-1156.	1.9	19
100	Multiple-scattering speckle in holographic optical coherence imaging. <i>Applied Physics B: Lasers and Optics</i> , 2009, 95, 617-625.	1.1	6
101	Laboratory-scale study of field of view and the seismic interpretation of fracture specific stiffness. <i>Geophysical Prospecting</i> , 2009, 57, 209-224.	1.0	23
102	Three-dimensional holographic imaging of living tissue using a highly sensitive photorefractive polymer device. <i>Optics Express</i> , 2009, 17, 11834.	1.7	44
103	Invited Review Article: Review of centrifugal microfluidic and bio-optical disks. <i>Review of Scientific Instruments</i> , 2009, 80, 101101.	0.6	81
104	Optical contrast and clarity of graphene on an arbitrary substrate. <i>Applied Physics Letters</i> , 2009, 95, 081102.	1.5	46
105	Probing mass-transport and binding inhomogeneity in macromolecular interactions by molecular interferometric imaging. , 2009, , .		0
106	A novel concept for protein microarray: land-contrast BioCD. , 2009, , .		1
107	The BioCD: High-Speed Interferometric Optical Biosensor. <i>Integrated Analytical Systems</i> , 2009, , 297-316.	0.4	0
108	Insulator-to-Metal Transition of Gold Films Observed by Interferometric Picometry. , 2009, , .		0

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109	Motility-Contrast Imaging: Digital Holography of Cellular Motion in 3D Tissues. , 2009, , .		0
110	Area-scaling of interferometric and fluorescent detection of protein on antibody microarrays. Biosensors and Bioelectronics, 2008, 24, 981-987.	5.3	14
111	Functional imaging in photorefractive tissue speckle holography. Optics Communications, 2008, 281, 1860-1869.	1.0	10
112	Relating capillary pressure to interfacial areas. Water Resources Research, 2008, 44, .	1.7	33
113	Combined fluorescent and interferometric detection of protein on a BioCD. Applied Optics, 2008, 47, 2779.	2.1	15
114	Molecular interferometric imaging. Optics Express, 2008, 16, 7102.	1.7	31
115	Strong anomalous optical dispersion of graphene: complex refractive index measured by Picometrology. Optics Express, 2008, 16, 22105.	1.7	99
116	General 3D microporous structures fabricated with two-photon laser machining. Proceedings of SPIE, 2008, , .	0.8	4
117	Land-contrast self-referencing interferometric protein microarray. Applied Physics Letters, 2008, 93, 223904.	1.5	8
118	Depth-resolved holographic optical coherence imaging using a high-sensitivity photorefractive polymer device. Applied Physics Letters, 2008, 93, 231114.	1.5	12
119	Molecular interferometric imaging study of molecular interactions. Proceedings of SPIE, 2008, , .	0.8	0
120	Multiplexed BioCD for prostate specific antigen detection. Proceedings of SPIE, 2008, , .	0.8	0
121	Molecular interferometric imaging biosensor to study molecular interactions. , 2008, , .		0
122	Holographic Optical Coherence Imaging. Biological and Medical Physics Series, 2008, , 593-617.	0.3	0
123	Large-scale 3D microporous structures by two-photon laser machining. , 2008, , .		0
124	Molecular Interferometric Imaging Biosensor. , 2007, , .		0
125	Toward 3D Microfluidic Structures Fabricated with Two-photon Laser Machining. , 2007, , .		0
126	The in-line-quadrature bioCD. , 2007, , .		4

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127	Functional imaging by dynamic speckle in digital holographic optical coherence imaging. , 2007, , .		1
128	Four-channel optical detection on protein-patterned bioCD. , 2007, , .		0
129	Volumetric motility-contrast imaging of tissue response to cytoskeletal anti-cancer drugs. Optics Express, 2007, 15, 14057.	1.7	75
130	Fourier-domain digital holographic optical coherence imaging of living tissue. Applied Optics, 2007, 46, 4999.	2.1	49
131	Adaptive interferometry of protein on a BioCD. Applied Optics, 2007, 46, 5384.	2.1	27
132	Differential phase-contrast BioCD biosensor. Applied Optics, 2007, 46, 6196.	2.1	20
133	Common-path interferometric detection of protein monolayer on the BioCD. Applied Optics, 2007, 46, 7836.	2.1	24
134	Cellular Motion as Contrast Agent in Tumor Imaging. , 2007, , .		0
135	Toward 3D microfluidic structures fabricated with two-photon laser machining. , 2007, , .		0
136	Molecular Interferometric Imaging for Biosensor Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1680-1690.	1.9	14
137	Digital Holographic Optical Coherence Imaging: 3D Motility Assays of the Effect of Anticancer Drugs. , 2007, , .		0
138	Adaptive compensation of multiply scattered light in photorefractive holography of living tissue. , 2006, , .		0
139	Scaling mass sensitivity of the BioCD at 0.25 pg/mm. , 2006, 6380, 122.		5
140	Functional optical coherence imaging of tumor response to a metabolic electron transport inhibitor. , 2006, 6079, 100.		0
141	Digital holographic optical coherence imaging of tumor tissue. , 2006, , .		0
142	Point-of-care biosensor systems for cancer diagnostics/prognostics. Biosensors and Bioelectronics, 2006, 21, 1932-1942.	5.3	307
143	High-Speed Interferometric Detection of Label-Free Immunoassays on the Biological Compact Disc. Clinical Chemistry, 2006, 52, 2135-2140.	1.5	40
144	Digital holographic optical coherence imaging of mouse eye. , 2006, , .		0

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145	Phase-contrast BioCD: high-speed immunoassays at sub-picogram detection levels. , 2006, , .		4
146	Label-free multi-analyte detection using a BioCD. , 2005, , .		3
147	Ultrasound Focussing by Planar Fractures. AIP Conference Proceedings, 2005, , .	0.3	0
148	Phase-contrast optical coherence imaging of tissue. , 2005, , .		2
149	The adaptive BioCD: interferometric immunoassay on a spinning disk. , 2005, , .		1
150	Adaptive optical biocompact disk for molecular recognition. Applied Physics Letters, 2005, 86, 183902.	1.5	16
151	Fourier-domain holographic optical coherence imaging of tumor spheroids and mouse eye. Applied Optics, 2005, 44, 1798.	2.1	23
152	Biomedical Functional Imaging of Tissue in Coherence-Domain Speckle Holography. , 2005, , .		0
153	Reactive flow in a fracture: scale effects in the interpretation of seismic measurements.. , 2005, , .		0
154	Detecting Molecular Recognition with Adaptive Interferometry: The Adaptive-Optical BioCD. , 2005, , .		0
155	High-speed label-free detection by spinning-disk micro-interferometry. Biosensors and Bioelectronics, 2004, 19, 1371-1376.	5.3	69
156	Linking pressure and saturation through interfacial areas in porous media. Geophysical Research Letters, 2004, 31, .	1.5	91
157	Adaptive optical coherence-domain reflectometry using photorefractive quantum wells. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1953.	0.9	2
158	Fourier-domain holography in photorefractive quantum-well films. Applied Optics, 2004, 43, 3802.	2.1	13
159	Holographic optical coherence imaging of rat osteogenic sarcoma tumor spheroids. Applied Optics, 2004, 43, 4862.	2.1	45
160	Time-dependent speckle in holographic optical coherence imaging and the health of tumor tissue. Optics Letters, 2004, 29, 68.	1.7	73
161	Spinning-disk self-referencing interferometry of antigen-antibody recognition. Optics Letters, 2004, 29, 950.	1.7	69
162	Spinning-Disk Interferometry: The BioCD. Optics and Photonics News, 2004, 15, 48.	0.4	17

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163	Physical basis of holographic optical coherence imaging of living tissue. , 2004, 5316, 278.		0
164	Spinning-disk laser interferometers for immuno-assays and proteomics: the BioCD. , 2004, 5328, 41.		0
165	Real-time spinning-disk interferometric immunoassays. , 2004, , .		0
166	Fourier-domain holographic optical coherence imaging. , 2004, , .		0
167	Functional Imaging of Rat Tumors using a Holographic Coherence Filter. , 2004, , .		0
168	Seismic focusing by a single planar fracture. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	12
169	High-speed adaptive interferometer for optical coherence-domain reflectometry through turbid media. Optics Letters, 2003, 28, 396.	1.7	10
170	Ultrasound detection through turbid media. Optics Letters, 2003, 28, 819.	1.7	13
171	Holographic optical coherence imaging of tumor spheroids. Applied Physics Letters, 2003, 83, 575-577.	1.5	78
172	Femtosecond Response of Diffraction Efficiency of GaAs/AlGaAs Photorefractive Multiple Quantum Well. Japanese Journal of Applied Physics, 2003, 42, 2329-2331.	0.8	0
173	High-speed wide-field coherence-gated imaging via photorefractive holography with photorefractive multiple quantum well devices. Journal of Optics, 2003, 5, S448-S456.	1.5	5
174	Imaging of tumor necroses using full-frame optical coherence imaging. , 2003, , .		1
175	Photorefractive holography for real-time coherence gated imaging. , 2003, , .		0
176	Wide-field coherence gated imaging: photorefractive holography and wide-field coherent heterodyne imaging. , 2003, , .		1
177	High-speed label-free multianalyte detection through micointerferometry. , 2003, 4966, 58.		5
178	Adaptive Spinning-Disk Interferometry for Biomolecule Detection. , 2003, , .		0
179	Shimmering holograms and cellular motion in osteogenic tumors. , 2003, , .		0
180	Wide-field, real-time depth-resolved imaging using structured illumination with photorefractive holography. Applied Physics Letters, 2002, 81, 2148-2150.	1.5	10

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181	High-speed 3D imaging using photorefractive holography with novel low-coherence interferometers. Journal of Modern Optics, 2002, 49, 877-887.	0.6	14
182	<title>Multi-analyte array microdiffraction interferometry</title>. , 2002, , .		2
183	Autocorrelation imaging of 3D structures using a femtosecond laser: application to imaging of sandstone. , 2002, 4643, 207.		0
184	Optical coherence imaging of rat tumor spheroids. , 2002, 4619, 210.		5
185	<title>Laser-based ultrasound detection through turbid media</title>. , 2002, 4618, 128.		0
186	Low-coherence photorefractive holography for high-speed 3D imaging including through scattering media. , 2002, 4619, 98.		1
187	<title>High-speed 3D imaging using photorefractive holography with novel low-coherence interferometers</title>. , 2002, 4705, 242.		0
188	Holographic 3-D laser imaging into sandstone. Geophysical Research Letters, 2002, 29, 49-1-49-4.	1.5	2
189	Elimination of beam walk-off in low-coherence off-axis photorefractive holography. Optics Letters, 2001, 26, 334.	1.7	44
190	Adaptive beam combining and interferometry with photorefractive quantum wells. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 195.	0.9	38
191	Dynamic holography in a broad-area optically pumped vertical GaAs microcavity. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 257.	0.9	8
192	High-responsivity photo-EMF receivers for laser ultrasonics. AIP Conference Proceedings, 2001, , .	0.3	0
193	<title>High-speed 3D imaging using photorefractive holography</title>. , 2001, , .		1
194	<title>Adaptive all-order femtosecond dispersion compensation and pulse combining</title>. , 2001, 4280, 181.		0
195	<title>High-speed 3D imaging using photorefractive holography with novel low-coherence interferometers</title>. , 2001, , .		0
196	Nonlinear charge transport in photorefractive semiconductor quantum wells. Optical Materials, 2001, 18, 199-203.	1.7	12
197	Imaging Biological Tissue Using Photorefractive Holography and Fluorescence Lifetime. , 2001, , 213-234.		1
198	Homodyne Detection of Ultrasound Through Turbid Media Using an Adaptive Interferometer. , 2001, , .		0

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199	High speed 3-D imaging through turbid media using photorefractive MQW devices. , 2001, , .		0
200	Surface-Free Photo-EMF Adaptive Photoreceivers with Integrated Co-Planar Contacts. , 2001, , .		0
201	Reflection Geometry Photorefractive Asymmetric Fabry-Perot Multiple Quantum Well Devices. , 2001, , .		0
202	Enhanced responsivity of photo-induced-emf laser ultrasound sensors using asymmetric interdigitated contacts. AIP Conference Proceedings, 2000, , .	0.3	1
203	<title>Diffraction property of ultrashort laser pulses in photorefractive multiple quantum wells</title>. , 2000, 4110, 9.		0
204	Enhanced diffusion in laser-annealed nonstoichiometric AlAs/GaAs heterostructures. Journal of Applied Physics, 2000, 88, 4576.	1.1	3
205	Vacancy diffusion kinetics in arsenic-rich nonstoichiometric AlAs/GaAs heterostructures. Physical Review B, 2000, 63, .	1.1	2
206	Asymmetric interdigitated metal-semiconductor-metal contacts for improved adaptive photoinduced-electromotive-force detectors. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 697.	0.9	8
207	Broadband low-dispersion diffraction of femtosecond pulses from photorefractive quantum wells. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1313.	0.9	10
208	<title>Time-gated holographic imaging using photorefractive media</title>. , 2000, , .		0
209	<title>Whole-field coherent imaging through turbid media using photorefractive holography</title>. , 2000, , .		0
210	Adaptive femtosecond optical pulse combining. Applied Physics Letters, 2000, 77, 3692-3694.	1.5	4
211	Transient enhanced intermixing of arsenic-rich nonstoichiometric AlAs/GaAs quantum wells. Physical Review B, 1999, 60, 10926-10934.	1.1	14
212	Linear electroabsorption in semi-insulating GaAs/AlGaAs asymmetric double quantum wells. Journal of Applied Physics, 1999, 86, 3822-3825.	1.1	8
213	Short-coherence photorefractive holography in multiple-quantum-well devices using light-emitting diodes. Applied Physics Letters, 1999, 75, 1363-1365.	1.5	35
214	Adaptive all-order dispersion compensation of ultrafast laser pulses using dynamic spectral holography. Applied Physics Letters, 1999, 75, 3255-3257.	1.5	17
215	Semi-insulating semiconductor heterostructures: Optoelectronic properties and applications. Journal of Applied Physics, 1999, 85, 6259-6289.	1.1	178
216	Detecting sub-wavelength layers and interfaces in synthetic sediments using seismic wave transmission. Geophysical Research Letters, 1999, 26, 127-130.	1.5	6

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217	Enhanced responsivity of non-steady-state photoinduced electromotive force sensors using asymmetric interdigitated contacts. <i>Optics Letters</i> , 1999, 24, 342.	1.7	18
218	<title>Self-adaptive optical holography in quantum wells</title>. , 1999, , .		0
219	Excitonic Spectral Phase and Tunable Quadrature for Laser-Based Ultrasound Detection using Photorefractive Quantum Wells. , 1999, , .		0
220	Oscillatory mode coupling and electrically strobed gratings in photorefractive quantum-well diodes. <i>Optics Letters</i> , 1998, 23, 49.	1.7	10
221	Direct-to-video holographic readout in quantum wells for three-dimensional imaging through turbid media. <i>Optics Letters</i> , 1998, 23, 103.	1.7	50
222	Electric-field correlation of femtosecond pulses by use of a photoelectromotive-force detector. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 2013.	0.9	9
223	Bandwidth study of volume holography in photorefractive InP:Fe for femtosecond pulse readout at 15 μ m. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 2763.	0.9	35
224	Transient dynamics during two-wave mixing in photorefractive quantum well diodes using moving gratings. <i>Optics Express</i> , 1998, 2, 432.	1.7	1
225	Direct-to-video holographic 3-D imaging using photorefractive multiple quantum well devices. <i>Optics Express</i> , 1998, 2, 439.	1.7	14
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