

David D Nolte

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4728476/publications.pdf>

Version: 2024-02-01

327
papers

6,065
citations

66343
42
h-index

95266
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, . | 3.4 | 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, . | 3.8 | 4 |
| 5 | Doppler imaging detects bacterial infection of living tissue. Communications Biology, 2021, 4, 178. | 4.4 | 6 |
| 6 | Common-path interferometer for digital holographic Doppler spectroscopy of living biological tissues. Journal of Biomedical Optics, 2021, 26, . | 2.6 | 3 |
| 7 | Editorial Introduction to JSTQE Special Issue on Biophotonics. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-4. | 2.9 | 0 |
| 8 | Biodynamic signatures from ex vivo bone marrow aspirates are associated with chemotherapyâ€induced neutropenia in cancerâ€bearing dogs. Veterinary Medicine and Science, 2021, 7, 665-673. | 1.6 | 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. | 1.8 | 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. | 3.3 | 13 |
| 13 | Probing complex geophysical geometries with chattering dust. Nature Communications, 2020, 11, 5282. | 12.8 | 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, . | 2.6 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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. | 2.1 | 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. | 1.5 | 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. | 2.6 | 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. | 2.9 | 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. | 2.6 | 13 |
| 34 | Intersection Waves. Journal of Geophysical Research: Solid Earth, 2017, 122, 7824-7838. | 3.4 | 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. | 2.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Intracellular Doppler Signatures of Platinum Sensitivity Captured by Biodynamic Profiling in Ovarian Xenografts. Scientific Reports, 2016, 6, 18821. | 3.3 | 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. Proceedings of SPIE, 2016, , . | 0.8 | 0 |
| 40 | Approaching a universal scaling relationship between fracture stiffness and fluid flow. Nature Communications, 2016, 7, 10663. | 12.8 | 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. Microscopy and Microanalysis, 2015, 21, 7-8. | 0.4 | 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. Convergent Science Physical Oncology, 2015, 1, 015003. | 2.6 | 12 |
| 44 | Biodynamic imaging for artificial reproductive technology. Molecular Reproduction and Development, 2015, 82, 500-500. | 2.0 | 0 |
| 45 | Biodynamic imaging of live porcine oocytes, zygotes and blastocysts for viability assessment in assisted reproductive technologies. Biomedical Optics Express, 2015, 6, 963. | 2.9 | 18 |
| 46 | Digital holography of intracellular dynamics to probe tissue physiology. Applied Optics, 2015, 54, A89. | 1.8 | 7 |
| 47 | Bragg holography in active semiconductor microcavities. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1406. | 2.1 | 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. Journal of Biomolecular Screening, 2014, 19, 526-537. | 2.6 | 28 |
| 53 | Combined Scaling of Fluid Flow and Seismic Stiffness in Single Fractures. Rock Mechanics and Rock Engineering, 2014, 47, 1613-1623. | 5.4 | 37 |
| 54 | Biodynamic 3D Imaging for Personalized Cancer Care. , 2014, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 3.3 | 2 |
| 58 | Live tissue viability and chemosensitivity assays using digital holographic motility contrast imaging. Applied Optics, 2013, 52, A300. | 1.8 | 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. | 2.7 | 7 |
| 60 | Scaling of fluid flow versus fracture stiffness. Geophysical Research Letters, 2013, 40, 2076-2080. | 4.0 | 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. | 2.9 | 47 |
| 64 | Molecular layer detection on a diffractive optical balance. Optics Letters, 2012, 37, 4098. | 3.3 | 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. | 6.0 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 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, . | 4.2 | 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. | 10.1 | 26 |
| 82 | Holographic tissue dynamics spectroscopy. Journal of Biomedical Optics, 2011, 16, 087004. | 2.6 | 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. | 2.3 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Speckle fluctuation spectroscopy of intracellular motion in living tissue using coherence-domain digital holography. Journal of Biomedical Optics, 2010, 15, 030514. | 2.6 | 38 |
| 92 | Ambient molecular water accumulation on silica surfaces detected by a reflectance interference optical balance. Applied Physics Letters, 2010, 97, 183702. | 3.3 | 5 |
| 93 | Mass-transport limitations in spot-based microarrays. Biomedical Optics Express, 2010, 1, 983. | 2.9 | 12 |
| 94 | Refractive index and dielectric constant transition of ultra-thin gold from cluster to Film. Optics Express, 2010, 18, 24859. | 3.4 | 35 |
| 95 | The tangled tale of phase space. Physics Today, 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. Analytical and Bioanalytical Chemistry, 2009, 393, 1151-1156. | 3.7 | 19 |
| 100 | Multiple-scattering speckle in holographic optical coherence imaging. Applied Physics B: Lasers and Optics, 2009, 95, 617-625. | 2.2 | 6 |
| 101 | Laboratory-scale study of field of view and the seismic interpretation of fracture specific stiffness. Geophysical Prospecting, 2009, 57, 209-224. | 1.9 | 23 |
| 102 | Three-dimensional holographic imaging of living tissue using a highly sensitive photorefractive polymer device. Optics Express, 2009, 17, 11834. | 3.4 | 44 |
| 103 | Invited Review Article: Review of centrifugal microfluidic and bio-optical disks. Review of Scientific Instruments, 2009, 80, 101101. | 1.3 | 81 |
| 104 | Optical contrast and clarity of graphene on an arbitrary substrate. Applied Physics Letters, 2009, 95, 081102. | 3.3 | 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. Integrated Analytical Systems, 2009, , 297-316. | 0.4 | 0 |
| 108 | Insulator-to-Metal Transition of Gold Films Observed by Interferometric Picometrology. , 2009, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 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. | 10.1 | 14 |
| 111 | Functional imaging in photorefractive tissue speckle holography. Optics Communications, 2008, 281, 1860-1869. | 2.1 | 10 |
| 112 | Relating capillary pressure to interfacial areas. Water Resources Research, 2008, 44, . | 4.2 | 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. | 3.4 | 31 |
| 115 | Strong anomalous optical dispersion of graphene: complex refractive index measured by Picometrology. Optics Express, 2008, 16, 22105. | 3.4 | 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. | 3.3 | 8 |
| 118 | Depth-resolved holographic optical coherence imaging using a high-sensitivity photorefractive polymer device. Applied Physics Letters, 2008, 93, 231114. | 3.3 | 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. | 0.4 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 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. | 3.4 | 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. | 2.9 | 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. | 10.1 | 307 |
| 143 | High-Speed Interferometric Detection of Label-Free Immunoassays on the Biological Compact Disc. Clinical Chemistry, 2006, 52, 2135-2140. | 3.2 | 40 |
| 144 | Digital holographic optical coherence imaging of mouse eye. , 2006, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 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, , . | 0.4 | 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. | 3.3 | 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. | 10.1 | 69 |
| 156 | Linking pressure and saturation through interfacial areas in porous media. Geophysical Research Letters, 2004, 31, . | 4.0 | 91 |
| 157 | Adaptive optical coherence-domain reflectometry using photorefractive quantum wells. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1953. | 2.1 | 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. | 3.3 | 73 |
| 161 | Spinning-disk self-referencing interferometry of antigen-antibody recognition. Optics Letters, 2004, 29, 950. | 3.3 | 69 |
| 162 | Spinning-Disk Interferometry: The BioCD. Optics and Photonics News, 2004, 15, 48. | 0.5 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 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. | 4.0 | 12 |
| 169 | High-speed adaptive interferometer for optical coherence-domain reflectometry through turbid media. Optics Letters, 2003, 28, 396. | 3.3 | 10 |
| 170 | Ultrasound detection through turbid media. Optics Letters, 2003, 28, 819. | 3.3 | 13 |
| 171 | Holographic optical coherence imaging of tumor spheroids. Applied Physics Letters, 2003, 83, 575-577. | 3.3 | 78 |
| 172 | Femtosecond Response of Diffraction Efficiency of GaAs/AlGaAs Photorefractive Multiple Quantum Well. Japanese Journal of Applied Physics, 2003, 42, 2329-2331. | 1.5 | 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 microinterferometry. , 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. | 3.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | High-speed 3D imaging using photorefractive holography with novel low-coherence interferometers. Journal of Modern Optics, 2002, 49, 877-887. | 1.3 | 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. | 4.0 | 2 |
| 189 | Elimination of beam walk-off in low-coherence off-axis photorefractive holography. Optics Letters, 2001, 26, 334. | 3.3 | 44 |
| 190 | Adaptive beam combining and interferometry with photorefractive quantum wells. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 195. | 2.1 | 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. | 2.1 | 8 |
| 192 | High-responsivity photo-EMF receivers for laser ultrasonics. AIP Conference Proceedings, 2001, , . | 0.4 | 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. | 3.6 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 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, , . | 0.4 | 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. | 2.5 | 3 |
| 205 | Vacancy diffusion kinetics in arsenic-rich nonstoichiometric AlAs/GaAs heterostructures. Physical Review B, 2000, 63, . | 3.2 | 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. | 2.1 | 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. | 2.1 | 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. | 3.3 | 4 |
| 211 | Transient enhanced intermixing of arsenic-rich nonstoichiometric AlAs/GaAs quantum wells. Physical Review B, 1999, 60, 10926-10934. | 3.2 | 14 |
| 212 | Linear electroabsorption in semi-insulating GaAs/AlGaAs asymmetric double quantum wells. Journal of Applied Physics, 1999, 86, 3822-3825. | 2.5 | 8 |
| 213 | Short-coherence photorefractive holography in multiple-quantum-well devices using light-emitting diodes. Applied Physics Letters, 1999, 75, 1363-1365. | 3.3 | 35 |
| 214 | Adaptive all-order dispersion compensation of ultrafast laser pulses using dynamic spectral holography. Applied Physics Letters, 1999, 75, 3255-3257. | 3.3 | 17 |
| 215 | Semi-insulating semiconductor heterostructures: Optoelectronic properties and applications. Journal of Applied Physics, 1999, 85, 6259-6289. | 2.5 | 178 |
| 216 | Detecting sub-wavelength layers and interfaces in synthetic sediments using seismic wave transmission. Geophysical Research Letters, 1999, 26, 127-130. | 4.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Enhanced responsivity of non-steady-state photoinduced electromotive force sensors using asymmetric interdigitated contacts. Optics Letters, 1999, 24, 342. | 3.3 | 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. Optics Letters, 1998, 23, 49. | 3.3 | 10 |
| 221 | Direct-to-video holographic readout in quantum wells for three-dimensional imaging through turbid media. Optics Letters, 1998, 23, 103. | 3.3 | 50 |
| 222 | Electric-field correlation of femtosecond pulses by use of a photoelectromotive-force detector. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 2013. | 2.1 | 9 |
| 223 | Bandwidth study of volume holography in photorefractive InP:Fe for femtosecond pulse readout at 15 μ m. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 2763. | 2.1 | 35 |
| 224 | Transient dynamics during two-wave mixing in photorefractive quantum well diodes using moving gratings. Optics Express, 1998, 2, 432. | 3.4 | 1 |
| 225 | Direct-to-video holographic 3-D imaging using photorefractive multiple quantum well devices. Optics Express, 1998, 2, 439. | 3.4 | 14 |
| 226 | Laser-based ultrasound detection using photorefractive quantum wells. Applied Physics Letters, 1998, 73, 1041-1043. | 3.3 | 63 |
| 227 | Signal strength enhancement and bandwidth tuning in moving space charge field photodetectors using alternating bias field. Applied Physics Letters, 1998, 72, 100-102. | 3.3 | 8 |
| 228 | Magnetic quenching of time-reversed light in photorefractive diluted magnetic semiconductors. Physical Review B, 1998, 58, 10435-10442. | 3.2 | 1 |
| 229 | Mesoscopic pointlike defects in semiconductors: Deep-level energies. Physical Review B, 1998, 58, 7994-8001. | 3.2 | 6 |
| 230 | <title>Time-gated holographic imaging using photorefractive media</title>. , 1998, , . | | 0 |
| 231 | <title>High-resolution real-time 3D imaging using time-gated photorefractive holography</title>. , 1998, , . | | 0 |
| 232 | High resolution Real-Time 3-D Imaging through Turbid Media using Photorefractive Holography. , 1998, , . | | 0 |
| 233 | Spectral Holography For Dynamic Dispersion Compensation. Springer Series in Chemical Physics, 1998, , 188-190. | 0.2 | 1 |
| 234 | Enhanced detection bandwidth for optical doppler frequency measurements using moving space charge field effects in GaAs multiple quantum wells. Applied Physics Letters, 1997, 70, 2034-2036. | 3.3 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Coexisting two-phase flow in correlated two-dimensional percolation. Physical Review E, 1997, 56, 5009-5012. | 2.1 | 4 |
| 236 | Electroabsorption spectroscopy of effective-mass $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ Fibonacci superlattices. Physical Review B, 1997, 56, 1987-1995. | 3.2 | 12 |
| 237 | Depletion of charge around mesoscopic voids in semiconductors. Applied Physics Letters, 1997, 70, 3401-3403. | 3.3 | 5 |
| 238 | Formation of elemental Ag precipitates in AlGaAs by ion implantation and thermal annealing. Applied Physics Letters, 1997, 71, 3501-3503. | 3.3 | 0 |
| 239 | Optical absorption by Ag precipitates in AlGaAs. Journal of Applied Physics, 1997, 81, 7981-7987. | 2.5 | 13 |
| 240 | <title>Time-gated holographic imaging using photorefractive multiple quantum well devices</title>. , 1997, 2981, 192. | | 1 |
| 241 | Volumetric imaging of aperture distributions in connected fracture networks. Geophysical Research Letters, 1997, 24, 2343-2346. | 4.0 | 79 |
| 242 | Femtosecond pulse shaping by dynamic holograms in photorefractive multiple quantum wells. Optics Letters, 1997, 22, 718. | 3.3 | 53 |
| 243 | Real-time edge enhancement of femtosecond time-domain images by use of photorefractive quantum wells. Optics Letters, 1997, 22, 1101. | 3.3 | 17 |
| 244 | Reflection-geometry photorefractive quantum wells. Optics Letters, 1996, 21, 1888. | 3.3 | 9 |
| 245 | Electroabsorption field imaging between coplanar metal contacts on semi-insulating semiconductor epilayers. Applied Physics Letters, 1996, 68, 72-74. | 3.3 | 10 |
| 246 | <title>Depth-resolved holography using photorefractive media</title>. , 1996, , . | | 0 |
| 247 | Holographic storage and high background imaging using photorefractive multiple quantum wells. Applied Physics Letters, 1996, 69, 1837-1839. | 3.3 | 63 |
| 248 | Metastable optical gratings in compound semiconductors. Journal of Applied Physics, 1996, 79, 7514-7522. | 2.5 | 13 |
| 249 | Persistent holographic absorption gratings in AlSb:Se. Applied Physics Letters, 1996, 68, 735-737. | 3.3 | 10 |
| 250 | Enhanced diffusion in nonstoichiometric quantum wells and the decay of supersaturated vacancy concentrations. Applied Physics Letters, 1996, 69, 239-241. | 3.3 | 31 |
| 251 | Two-wave mixing in Stark geometry photorefractive quantum wells using moving gratings. Applied Physics Letters, 1996, 69, 3414-3416. | 3.3 | 8 |
| 252 | High-efficiency Stark geometry photorefractive quantum wells with intrinsic cladding layers. Applied Physics Letters, 1996, 68, 517-519. | 3.3 | 48 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 253 | Molecular Beam Epitaxy of Nonstoichiometric Semiconductors and Multiphase Material Systems. Critical Reviews in Solid State and Materials Sciences, 1996, 21, 189-263. | 12.3 | 61 |
| 254 | Electro-optic and photorefractive properties of long-period Fibonacci superlattices. Journal of Applied Physics, 1996, 79, 3787-3789. | 2.5 | 11 |
| 255 | Nonlocal Photorefractive Screening from Hot Electron Velocity Saturation in Semiconductors. Physical Review Letters, 1996, 77, 4249-4252. | 7.8 | 29 |
| 256 | Molecular beam epitaxy of high-quality, nonstoichiometric multiple quantum wells. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 2271. | 1.6 | 9 |
| 257 | Fast SLMs from semiconductor quantum nanostructures. Physics World, 1995, 8, 26-28. | 0.0 | 0 |
| 258 | <title>Dynamic holography in partially asymmetric quantum well Fabry Perots</title>. , 1995, 2481, 208. | | 0 |
| 259 | The role of excess arsenic in interface mixing in low-temperature-grown AlAs/GaAs superlattices. Applied Physics Letters, 1995, 67, 1244-1246. | 3.3 | 33 |
| 260 | Photorefractive p-n diode quantum well spatial light modulators. Applied Physics Letters, 1995, 67, 1408-1410. | 3.3 | 59 |
| 261 | Ultrafast-lifetime quantum wells with sharp exciton spectra. Applied Physics Letters, 1995, 66, 2519-2521. | 3.3 | 47 |
| 262 | Investigation of interface intermixing and roughening in low-temperature-grown AlAs/GaAs multiple quantum wells during thermal annealing by chemical lattice imaging and x-ray diffraction. Applied Physics Letters, 1995, 67, 3491-3493. | 3.3 | 16 |
| 263 | Optical phase conjugation in a magnetic photorefractive semiconductor CdMnTe. Optics Letters, 1995, 20, 1238. | 3.3 | 5 |
| 264 | Photorefractive asymmetric Fabry-Pérot quantum wells: Transverse-field geometry. Applied Physics Letters, 1995, 67, 736-738. | 3.3 | 32 |
| 265 | Wavelet analysis of velocity dispersion of elastic interface waves propagating along a fracture. Geophysical Research Letters, 1995, 22, 1329-1332. | 4.0 | 50 |
| 266 | Low-Temperature Grown III-V Materials. Annual Review of Materials Research, 1995, 25, 547-600. | 5.5 | 113 |
| 267 | Hierarchical Cascades and the Single Fracture. , 1995, , 143-178. | | 5 |
| 268 | Photorefractive Transport and Multiwave Mixing. , 1995, , 1-66. | | 3 |
| 269 | Photorefractive Quantum Wells and Thin Films. , 1995, , 373-451. | | 13 |
| 270 | Cluster Engineering for Photoconductive Switches. , 1995, , 25-31. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | Bandgap and Defect Engineering for Semiconductor Holographic Materials: Photorefractive Quantum Wells and Thin Films. MRS Bulletin, 1994, 19, 44-49. | 3.5 | 16 |
| 272 | Optical scattering and absorption by metal nanoclusters in GaAs. Journal of Applied Physics, 1994, 76, 3740-3745. | 2.5 | 83 |
| 273 | Dynamic holography in a reflection/transmission photorefractive quantum-well asymmetric Fabry-Pérot. Applied Physics Letters, 1994, 65, 385-387. | 3.3 | 26 |
| 274 | Magnetophotorefractive effects in diluted magnetic semiconductors: Theory and experiment. Physical Review B, 1994, 49, 7941-7951. | 3.2 | 10 |
| 275 | Dynamic holographic phase gratings in multiple-quantum-well asymmetric Fabry-Pérot reflection modulators. Optics Letters, 1994, 19, 819. | 3.3 | 11 |
| 276 | Photorefractive phase shift induced by nonlinear electronic transport. Optics Letters, 1994, 19, 822. | 3.3 | 8 |
| 277 | Steady-state four-wave mixing in photorefractive quantum wells with femtosecond pulses. Journal of the Optical Society of America B: Optical Physics, 1994, 11, 1038. | 2.1 | 34 |
| 278 | Photorefractive phase shift induced by hot-electron transport: multiple-quantum-well structures. Journal of the Optical Society of America B: Optical Physics, 1994, 11, 1773. | 2.1 | 55 |
| 279 | <title>Semimetal/semiconductor composites for optoelectronic applications</title>. , 1994, 2145, 209. | | 0 |
| 280 | GaAs epilayers containing arsenic clusters: A metal/semiconductor composite. III-Vs Review, 1993, 6, 46-47. | 0.0 | 0 |
| 281 | Carrier lifetime versus anneal in low temperature growth GaAs. Applied Physics Letters, 1993, 63, 2248-2250. | 3.3 | 171 |
| 282 | Arsenic cluster engineering for excitonic electro-optics. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1993, 11, 795. | 1.6 | 19 |
| 283 | Enhanced electro-optic properties of low-temperature-growth GaAs and AlGaAs. Applied Physics Letters, 1993, 62, 1356-1358. | 3.3 | 49 |
| 284 | Hybrid resonant/near-resonant photorefractive structure: InGaAs/GaAs multiple quantum wells. Journal of Applied Physics, 1993, 74, 4254-4256. | 2.5 | 12 |
| 285 | Physics and Applications of Metallic Arsenic Clusters in GaAs Based Layer Structures. Japanese Journal of Applied Physics, 1993, 32, 771. | 1.5 | 2 |
| 286 | Arsenic cluster dynamics in doped GaAs. Journal of Applied Physics, 1992, 72, 3509-3513. | 2.5 | 54 |
| 287 | High-density optical storage based on nanometer-size arsenic clusters in low-temperature-growth GaAs. Applied Physics Letters, 1992, 61, 3098-3100. | 3.3 | 32 |
| 288 | Increased thermal generation rate in GaAs due to electron-beam metallization. Journal of Applied Physics, 1992, 71, 4509-4514. | 2.5 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | Photoinduced Space-Charge Gratings in Semi-Insulating Multiple Quantum Wells. Materials Research Society Symposia Proceedings, 1992, 261, 203. | 0.1 | 0 |
| 290 | Electro-Optics, Photoconductivity and the Photorefractive Effect. Materials Research Society Symposia Proceedings, 1992, 261, 3. | 0.1 | 0 |
| 291 | Frequency dependence of fracture stiffness. Geophysical Research Letters, 1992, 19, 325-328. | 4.0 | 66 |
| 292 | Temperature dependence of the photorefractive effect in InP:Fe: role of multiple defects. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 1614. | 2.1 | 34 |
| 293 | Photorefractive quantum wells: transverse Franz-Keldysh geometry. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 1626. | 2.1 | 160 |
| 294 | Optical bistability from a thermodynamic phase transition in vanadium dioxide. Optics Letters, 1992, 17, 1385. | 3.3 | 21 |
| 295 | Faraday photorefractive effect in a diluted magnetic semiconductor. Optics Letters, 1992, 17, 1420. | 3.3 | 10 |
| 296 | Fractures: Finite-size scaling and multifractals. Pure and Applied Geophysics, 1992, 138, 679-706. | 1.9 | 18 |
| 297 | Fractures: Finite-size Scaling and Multifractals. , 1992, , 679-706. | | 0 |
| 298 | Spatial-harmonic gratings at high modulation depths in photorefractive quantum wells. Optics Letters, 1991, 16, 1944. | 3.3 | 15 |
| 299 | Robust infrared gratings in photorefractive quantum wells generated by an above-bandgap laser. Applied Physics Letters, 1991, 58, 2067-2069. | 3.3 | 19 |
| 300 | Stratified continuum percolation: Scaling geometry of hierarchical cascades. Physical Review A, 1991, 44, 6320-6333. | 2.5 | 31 |
| 301 | Two-wave mixing in photorefractive AlGaAs/GaAs quantum wells. Applied Physics Letters, 1991, 59, 256-258. | 3.3 | 59 |
| 302 | Strain relaxation and alloying effects in the GaAs/In _{0.52} Al _{0.48} As/InP(100) heterostructure. Journal of Applied Physics, 1990, 67, 7157-7159. | 2.5 | 0 |
| 303 | Absolute pressure dependence of the second ionization level of EL2 in GaAs. Applied Physics Letters, 1990, 56, 1143-1145. | 3.3 | 7 |
| 304 | Deep level photodiffractive spectroscopy of semiconductors. Applied Physics Letters, 1990, 56, 163-165. | 3.3 | 18 |
| 305 | Spontaneous current oscillations in optically pumped semi-insulating InP. Journal of Applied Physics, 1990, 68, 4111-4115. | 2.5 | 10 |
| 306 | Resonant photodiffractive four-wave mixing in semi-insulating GaAs/AlGaAs quantum wells. Optics Letters, 1990, 15, 264. | 3.3 | 54 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 307 | Resonant photodiffractive effect in semi-insulating multiple quantum wells. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 2217. | 2.1 | 132 |
| 308 | Addendum: Band offsets for pseudomorphic InP/GaAs [Appl. Phys. Lett.54, 259 (1989)]. Applied Physics Letters, 1989, 54, 2277-2277. | 3.3 | 0 |
| 309 | Type II to type I conversion of pseudomorphic GaAs on InP dependent on growth direction. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1989, 7, 820. | 1.6 | 4 |
| 310 | Nonequilibrium screening of the photorefractive effect. Physical Review Letters, 1989, 63, 891-894. | 7.8 | 35 |
| 311 | Dependence of transition-metal impurity levels on host composition in III-V semiconductors. Physical Review B, 1989, 39, 10114-10119. | 3.2 | 15 |
| 312 | Spatial modulation of the Fermi level by coherent illumination of undoped GaAs. Physical Review B, 1989, 40, 10650-10652. | 3.2 | 23 |
| 313 | The fractal geometry of flow paths in natural fractures in rock and the approach to percolation. Pure and Applied Geophysics, 1989, 131, 111-138. | 1.9 | 68 |
| 314 | Optical and photorefractive properties of InP:Ti: a new photorefractive semiconductor. Optics Letters, 1989, 14, 1278. | 3.3 | 12 |
| 315 | Band offsets for pseudomorphic InP/GaAs. Applied Physics Letters, 1989, 54, 259-261. | 3.3 | 19 |
| 316 | Invariant fixed point in stratified continuum percolation. Physical Review A, 1989, 40, 4817-4819. | 2.5 | 5 |
| 317 | Absolute Pressure Dependence of the Second Ionization Level of EL2 in GaAs. Materials Research Society Symposia Proceedings, 1989, 163, 815. | 0.1 | 1 |
| 318 | The Fractal Geometry of Flow Paths in Natural Fractures in Rock and the Approach to Percolation. , 1989, , 111-138. | | 8 |
| 319 | Fluid percolation through single fractures. Geophysical Research Letters, 1988, 15, 1247-1250. | 4.0 | 131 |
| 320 | Comment on volume relaxation around defects in silicon upon electron emission. Physical Review B, 1988, 38, 6316-6317. | 3.2 | 5 |
| 321 | Thermal emission of holes from defects in uniaxially stressed p-type silicon. Physical Review B, 1988, 38, 9857-9869. | 3.2 | 5 |
| 322 | Critical criterion for axial models of defects in as-grown n-type GaAs. Physical Review B, 1987, 36, 9374-9377. | 3.2 | 16 |
| 323 | Band-edge hydrostatic deformation potentials in III-V semiconductors. Physical Review Letters, 1987, 59, 501-504. | 7.8 | 156 |
| 324 | Absolute Pressure Derivatives of Deep Level Defects in III-V Semiconductors. Materials Research Society Symposia Proceedings, 1987, 104, 423. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 325 | Deep-level defects in silicon and the band-edge hydrostatic deformation potentials. Physical Review B, 1987, 36, 9392-9394. | 3.2 | 24 |
| 326 | Optimization of the energy resolution of deep level transient spectroscopy. Journal of Applied Physics, 1987, 62, 900-906. | 2.5 | 28 |
| 327 | Far-infrared dichroic bandpass filters. Applied Optics, 1985, 24, 1541. | 2.1 | 19 |