Darshana L Weerawarne

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List of publications

|  | [Title](https://scholar.google.com/citations?hl=en&user=3NVkz0YAAAAJ&view_op=list_works&sortby=title) | [Cited by](https://scholar.google.com/citations?hl=en&user=3NVkz0YAAAAJ&view_op=list_works) | Year |
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| 1 | In Situ Functional Monitoring of Aerosol Jet-Printed Electronic Devices Using a Combined Sparse Representation-Based Classification (SRC) Approach  R Salary, JP Lombardi, **DL Weerawarne**, MS Tootooni, PK Rao, MD Poliks  ASME 2018 13th International Manufacturing Science and Engineering Conference |  | 2018 |
| 2 | In-Situ Image-Based Monitoring and Closed-Loop Control of Aerosol Jet Printing  JP Lombardi, R Salary, **DL Weerawarne**, PK Rao, MD Poliks  ASME 2018 13th International Manufacturing Science and Engineering Conference |  | 2018 |
| 3 | Isothermal Fatigue of Interconnections in Flexible Hybrid Electronics Based Human Performance Monitors  RS Sivasubramony, N Adams, M Alhendi, GS Khinda, MZ Kokash, JP Lombardi, A Raj, S Thekkut, **DL Weerawarne**, M Yadav, AV Zachariah, NC Stoffel, DM Shaddock, L Yin, MD Poliks, P Borgesen  2018 IEEE 68th Electronic Components and Technology Conference (ECTC), 896-903 |  | 2018 |
| 4 | Effects of higher-order nonlinear processes on harmonic-generation phase matching  RI Grynko, **DL Weerawarne**, B Shim  Physical Review A 96 (1), 013816 | [4](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=9506308402899110622) | 2017 |
| 5 | Study of Nonlinear Propagation of Ultrashort Laser Pulses and Its Application to Harmonic Generation  **DL Weerawarne**  State University of New York at Binghamton |  | 2017 |
| 6 | Multi-filament Inhibition and Resulting Solitary Wave Formation in Condensed Matter  RI Grynko, **DL Weerawarne**, X Gao, H Liang, HJ Meyer, KH Hong, ...  Frontiers in Optics, FF2C. 1 |  | 2016 |
| 7 | Inhibition of multi-filamentation of high-power laser beams  RI Grynko, **DL Weerawarne**, X Gao, H Liang, HJ Meyer, KH Hong, ...  Optics letters 41 (17), 4064-4067 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=7830062080108480360) | 2016 |
| 8 | Understanding low-temperature sintering and adhesion properties of metal nanoparticles printed sensor devices  J Luo, W Zhao, S Shan, J Lombardi, **D Weerawarne**, T Rovere, N Kang, Z Skeete, Y Xu, A Vargas, B Shim, B Hsiao, M Poliks, C-J Zhong  Abstracts of Papers of The American Chemical Society 252 |  | 2016 |
| 9 | Mid-infrared laser filaments in air at a kilohertz repetition rate  H Liang, **DL Weerawarne**, P Krogen, RI Grynko, CJ Lai, B Shim, ...  Optica 3 (7), 678-681 | [14](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=7338186809863258087) | 2016 |
| 10 | Mid-IR Laser Filamentation in air at a kHz Repetition Rate  HK Liang, P Krogen, **D Weerawarne**, CJ Lai, R Grynko, B Shim, F Kärtner, ...  Mid-Infrared Coherent Sources, MT2C. 5 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=17541052377288998929) | 2016 |
| 11 | Erratum: Strong optical nonlinearity of CVD-grown monolayer as probed by wavelength-dependent second-harmonic generation [Phys. Rev. B **90**, 121409(R …  DJ Clark, V Senthilkumar, CT Le, **DL Weerawarne**, B Shim, JI Jang, ...  Physical Review B 92 (15), 159901 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=17397668062597552394) | 2015 |
| 12 | Nanoalloy printed and pulse-laser sintered flexible sensor devices with enhanced stability and materials compatibility  W Zhao, T Rovere, **D Weerawarne**, G Osterhoudt, N Kang, P Joseph, ...  ACS nano 9 (6), 6168-6177 | [23](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=8247950141124672696) | 2015 |
| 13 | Significant enhancement of third-and fifth-harmonic generation in air via two-color, time-resolved methods  **D Weerawarne**, R Grynko, HJ Meyer, B Shim  CLEO: QELS\_Fundamental Science, FM3D. 4 |  | 2015 |
| 14 | Mid-IR filamentation in dielectrics: 3-Octave-spanning supercontinuum generation and sub-2-cycle self-compression  HK Liang, PR Krogen, R Grynko, O Novak, C-LL Chang, GJ Stein, **D Weerawarne**, B Shim, F Kaernter, K-H Hong  CLEO: QELS\_Fundamental Science, FTu4D. 2 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=5260038499960144218) | 2015 |
| 15 | Three-octave-spanning supercontinuum generation and sub-two-cycle self-compression of mid-infrared filaments in dielectrics  H Liang, P Krogen, R Grynko, O Novak, C-L Chang, GJ Stein, **D Weerawarne**, B Shim, FX Kärtner, K-H Hong  Optics letters 40 (6), 1069-1072 | [69](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=14680744788206981642) | 2015 |
| 16 | Higher-order nonlinearities revisited and their effect on harmonic generation  **DL Weerawarne**, X Gao, AL Gaeta, B Shim  Physical review letters 114 (9), 093901 | [21](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=434241964953499737) | 2015 |
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| 18 | Strong optical nonlinearity of CVD-grown MoS2 monolayer as probed by wavelength-dependent second-harmonic generation  DJ Clark, V Senthilkumar, CT Le, **DL Weerawarne**, B Shim, JI Jang, ...  Physical Review B 90 (12), 121409 | [44](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=9409705813872004117) | 2014 |
| 19 | Test of higher-order nonlinearity via low-order harmonic generation revisited  **DL Weerawarne**, X Gao, AL Gaeta, B Shim  Lasers and Electro-Optics (CLEO), 2014 Conference on, 1-2 |  | 2014 |
| 20 | TikiriPower-Using TikiriDB abstraction on Smart Home systems  **L Weerawarne**, A Sayakkara, D Fernando, C Suduwella, K De Zoysa  Advances in ICT for Emerging Regions (ICTer), 2012 International Conference … |  | 2012 |