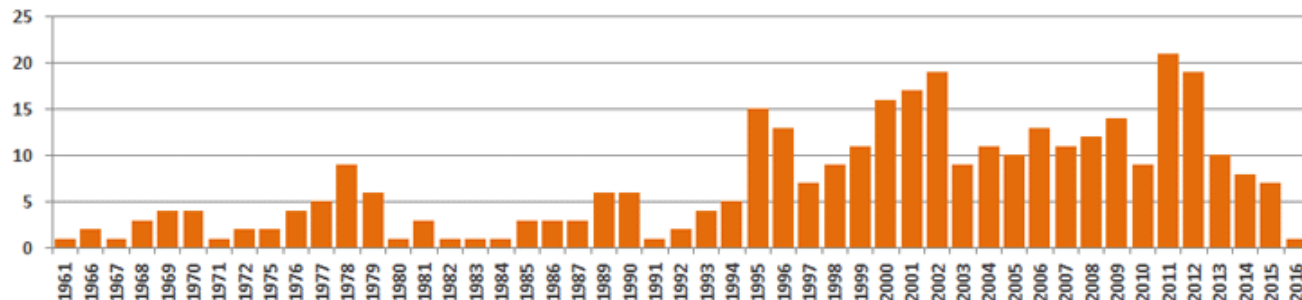


# Ramachandra R. Dasari's Full Publication List:

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## Number of publications by year



| <u>Rec.</u> | <u>Author</u>  | <u>Title</u>   | <u>Journal</u>                      | <u>Year</u> | <u>Vol.</u> | <u>Issue</u> | <u>Pages</u> |
|-------------|--|--|-------------------------------------|-------------|-------------|--------------|--------------|
| 1           | R. Pandey, N. Spegazzini, I. Barman, G. Horowitz, N. Lue, L. Galindo and R. R. Dasari                      | Label-Free and High-Throughput Sensing of Glycated Hemoglobin for Point-of-Care Setting  | Lasers in Surgery and Medicine      | 2016        | 48          |              | 4-4          |
| 2           | J. W. Kang, P. T. C. So, R. R. Dasari and D. K. Lim  | High Resolution Live Cell Raman Imaging Using Subcellular Organelle-Targeting SERS-Sensitive Gold Nanoparticles with Highly Narrow Intra-Nanogap                     | Nano Letters                        | 2015        | 15          | 3            | 1766-1772    |
| 3           | M. Li, J. W. Kang, S. Sukumar, R. R. Dasari and I. Barman  | Multiplexed detection of serological cancer markers with plasmon-enhanced Raman spectro-immunoassay  | Chemical Science                    | 2015        | 6           | 7            | 3906-3914    |
| 4           | R. Pandey, N. C. Dingari, N. Spegazzini, R. R. Dasari, G. L. Horowitz and I. Barman                        | Emerging trends in optical sensing of glycemic markers for diabetes monitoring   | Trac-Trends in Analytical Chemistry | 2015        | 64          |              | 100-108      |
| 5           | R. Sathyavathi, A. Saha, J. S. Soares, N. Spegazzini, S. McGee, R. R. Dasari, M. Fitzmaurice and I. Barman | Raman spectroscopic sensing of carbonate intercalation in breast microcalcifications at stereotactic biopsy  | Scientific Reports                  | 2015        | 5           |              |              |
| 6           | R. Pandey, S. K. Paidi, J. W. Kang, N. Spegazzini, R. R. Dasari, T. A. Valdez and I. Barman                | Discerning the differential molecular pathology of proliferative middle ear lesions using Raman spectroscopy   | Scientific Reports                  | 2015        | 5           |              |              |
| 7           | A. K. Myakalwar, N. Spegazzini, C. Zhang, S. K. Anubham, R. R. Dasari, I. Barman and M. K. Gundawar        | Less is more: Avoiding the LIBS dimensionality curse through judicious feature selection for explosive detection   | Scientific Reports                  | 2015        | 5           |              |              |
| 8           | C. F. Kuang, Y. Ma, R. J. Zhou, J. Lee, G. Barbastathis, R. R. Dasari, Z. Yaqoob and P. T. C. So           | Digital micromirror device-based laser-illumination Fourier ptychographic microscopy   | Optics Express                      | 2015        | 23          | 21           | 26999-27010  |
| 9           | K. Kim, H. Yoon, M. Diez-Silva, M. Dao, R.R. Dasari and Y. Park  | High-resolution three-dimensional imaging of red blood cells parasitized by Plasmodium falciparum and in situ hemozoin crystals using optical diffraction tomography | Journal of Biomedical Optics        | 2014        | 19          | 1            | 3206-3215    |
| 10          | M. Lee, J. Kim, W. Seo, H. Hong, Y. Song, R.R. Dasari and K. Ann   | Three-dimensional imaging of cavity vacuum with single atoms localized by a nanohole array   | Nature Communications               | 2014        | 5           | 3441         |              |
| 11          | Y. Sung, N. Lue, B. Hamza, J. Martel, D. Irimia, R.R. Dasari, W. Choi, Z. Yaqoob and P. So                 | Three-Dimensional Holographic Refractive-Index Measurement of Continuously Flowing Cells in a Microfluidic Channel   | Physical Review Applied             | 2014        | 1           | 1            |              |
| 12          | A. K. Myakalwar, N. C. Dingari, R. R. Dasari, I. Barman, and M. K. Gundawar                                | Non-Gated Laser Induced Breakdown Spectroscopy Provides a Powerful Segmentation Tool on Concomitant Treatment of Characteristic and Continuum                        | Plos One                            | 2014        | 9           | e103546      |              |

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| 13 | Y. Choi, P. Hosseini, W. Choi, R. R. Dasari, P. T. C. So and Z. Yaqoob  | Dynamic speckle illumination wide-field reflection phase microscopy  | Optics Letters  | 2014 | 39  | 20   | 6062-6065   |  |
| 14 | T. A. Vadez, R. Pandey, N. Spegazzini, K. Longo, C. Roehm, R. R. Dasari and I. Barman   | Multiwavelength Fluorescence Oscope for Video-Rate Chemical Imaging of Middle Ear Pathology  | Analytical Chemistry  | 2014 | 86  | 20   | 10454-10460 |  |
| 15 | G. L. C. Paulus, J. T. Nelson, K. Y. Lee, Q. H. Wang, N. F. Reuel, B. R. Grassbaugh, S. Kruss, M. P. Landry, J. W. Kang, E. V. Ende, J. Q. Zhang, B. Mu, R. R. Dasari, C. F. Opel, K. D. Wittrup and M. S. Strano | A graphene-based physiometer array for the analysis of single biological cells   | Scientific Reports  | 2014 | 4   |      |             |  |
| 16 | M. Li, J. Kang, R.R. Dassri, I. Barman  | Shedding Light on the Extinction-Enhancement Duality in Gold Nanostar-Enhanced Raman Spectroscopy  | Angewandte Chemie Int.Ed.   | 2014 | 53  | 51   | 14115-14119 |  |
| 17 | J. S. Soares, I. Barman, N. C. Dingari, Z. Volynskaya, W. Liu, N. Klein, D. Plecha, R. R. Dasari and M. Fitzmaurice   | Diagnostic power of diffuse reflectance spectroscopy for targeted detection of breast lesions with microcalcifications   | Proceedings of the National Academy of Sciences of the United States of America | 2013 | 110 | 2    | 471-476     |  |
| 18 | K. L. Cooper, S. Oh, Y. Sung, R. R. Dasari, M. W. Kirschner and C. J. Tabin   | Multiple phases of chondrocyte enlargement underlie differences in skeletal proportions  | Nature  | 2013 | 495 | 7441 | 375-378     |  |
| 19 | I. Barman, N. C. Dingari, A. Saha, S. McGee, L. H. Galindo, W. Liu, D. Plecha, N. Klein, R. R. Dasari and M. Fitzmaurice  | Application of Raman Spectroscopy to Identify Microcalcifications and Underlying Breast Lesions at Stereotactic Core Needle Biopsy   | Cancer Research   | 2013 | 73  | 11   | 3206-3215   |  |
| 20 | N. C. Dingari, I. Barman, A. Saha, S. McGee, L. H. Galindo, W. Liu, D. Plecha, N. Klein, R. R. Dasari and M. Fitzmaurice  | Development and comparative assessment of Raman spectroscopic classification algorithms for lesion discrimination in stereotactic breast biopsies with microcalcifications | Journal of Biophotonics   | 2013 | 6   | 4    | 371-381     |  |
| 21 | T. R. Hillman, T. Yamauchi, W. Choi, R. R. Dasari, M. S. Feld, Y. Park and Z. Yaqoob  | Digital optical phase conjugation for delivering two-dimensional images through turbid media   | Scientific Reports  | 2013 | 3   |      |             |  |
| 22 | B. Joshi, I. Barman, N. C. Dingari, N. Cardenas, J. S. Soares, R. R. Dasari and S. Mohanty  | Label-free route to rapid, nanoscale characterization of cellular structure and dynamics through opaque media  | Scientific Reports  | 2013 | 3   |      |             |  |
| 23 | C. Lau, J. Mirkovic, C. C. Yu, G. P. ODonoghue, L. Galindo, R. Dasari, A. de las Morenas, M. Feld and E. Stier  | Early detection of high-grade squamous intraepithelial lesions in the cervix with quantitative spectroscopic imaging   | Journal of Biomedical Optics  | 2013 | 18  | 7    |             |  |
| 24 | Y. J. Sung, A. Tzur, S. Oh, W. Choi, V. Li, R. R. Dasari, Z. Yaqoob and M. W. Kirschner   | Size homeostasis in adherent cells studied by synthetic phase microscopy   | Proceedings of the National Academy of Sciences of the United States of America | 2013 | 110 | 41   | 16687-16692 |  |
| 25 | H. Yu, T. R. Hillman, W. Choi, J. O. Lee, M. S. Feld, R. R. Dasari and Y. Park  | Measuring Large Optical Transmission Matrices of Disordered Media  | Physical Review Letters   | 2013 | 111 | 15   | 153902      |  |
| 26 | Y. Choi, T.R. Hillman, W. Choi, N. Lue, R.R. Dasari, PTC. So, W. Choi, Z. Yaqoob  | Measurement of the Time-Resolved Reflection Matrix for Enhancing Light Energy Delivery into a Scattering Medium  | Physical Review Letters   | 2013 | 111 | 24   | 243901      |  |
| 27 | G. O. Angheloiu, S. W. E. van de Poll, I. Georgakoudi, J. T. Motz, A. S. Haka, E. Podrez, M. Fitzmaurice, R. R. Dasari, M. S. Feld and J. R. Kramer   | Intrinsic Versus Laser-Induced Fluorescence Spectroscopy for Coronary Atherosclerosis: A Generational Comparison Model for Testing Diagnostic Accuracy                     | Applied Spectroscopy  | 2012 | 66  | 12   | 1403-1410   |  |
| 28 | I. Barman, N. C. Dingari, J. W. Kang, G. Horowitz, R. R. Dasari and M. S. Feld  | Raman spectroscopy based sensitive and specific detection of glycated hemoglobin   | Analytical Chemistry  | 2012 |     |      |             |  |
| 29 | I. Barman, N. C. Dingari, G. P. Singh, J. S. Soares, R. R. Dasari and J. M. Smulko  | Investigation of Noise-Induced Instabilities in Quantitative Biological Spectroscopy and Its Implications for Noninvasive Glucose Monitoring                               | Analytical Chemistry  | 2012 | 84  | 19   | 8149-8156   |  |
| 30 | H. Byun, T. R. Hillman, J. M. Higgins, M. Diez-Silva, Z. L. Peng, M. Dao, R. R. Dasari, S. Suresh and Y. Park   | Optical measurement of biomechanical properties of individual erythrocytes from a sickle cell patient  | Acta Biomaterialia  | 2012 | 8   | 11   | 4130-4138   |  |
| 31 | Y. Choi, C. Yoon, M. Kim, T. D. Yang, C. Fang-Yen, R. R. Dasari, K. J. Lee and W. Choi  | Scanner-Free and Wide-Field Endoscopic Imaging by Using a Single Multimode Optical Fiber   | Physical Review Letters   | 2012 | 109 | 20   |             |  |

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|----|--|---|---|------|------|------------|-----------|
| 32 | N. C. Dingari, G. L. Horowitz, J. W. Kang, R. R. Dasari and I. Barman  | Raman Spectroscopy Provides a Powerful Diagnostic Tool for Accurate Determination of Albumin Glycation  | Plos One  | 2012 | 7    | 2          |           |
| 33 | T. R. Hillman, Y. Choi, N. Lue, Y. J. Sung, R. R. Dasari, W. Choi and Z. Yaqoob  | A Reflection-Mode Configuration for Enhanced Light Delivery through Turbidity   | Three-Dimensional and Multidimensional Microscopy: Image Acquisition and Processing Xix | 2012 | 8227 |            |           |
| 34 | T. R. Hillman, N. Lue, Y. J. Sung, R. R. Dasari, P. T. C. So and Z. Yaqoob   | Self-referenced Diffraction Phase Microscopy  | Three-Dimensional and Multidimensional Microscopy: Image Acquisition and Processing Xix | 2012 | 8227 |            |           |
| 35 | T. R. Hillman, N. Lue, Y. J. Sung, R. R. Dasari and Z. Yaqoob  | Near-Common-Path Self-Reference Quantitative Phase Microscopy   | IEEE Photonics Technology Letters   | 2012 | 24   | 20         | 1812-1814 |
| 36 | H. G. Hong, W. Seo, Y. Song, M. Lee, H. Jeong, Y. Shin, W. Choi, R. R. Dasari and K. An  | Spectrum of the Cavity-QED Microlaser: Strong Coupling Effects in the Frequency Pulling at Off Resonance  | Physical Review Letters   | 2012 | 109  | 24         |           |
| 37 | M. Kalashnikov, W. Choi, M. Hunter, C. C. Yu, R. R. Dasari and M. S. Feld  | Assessing the contribution of cell body and intracellular organelles to the backward light scattering   | Optics Express  | 2012 | 20   | 2          | 816-826   |
| 38 | J. W. Kang, F. T. Nguyen, N. Lue, R. R. Dasari and D. A. Heller  | Measuring Uptake Dynamics of Multiple Identifiable Carbon Nanotube Species via High-Speed Confocal Raman Imaging of Live Cells                  | Nano Letters  | 2012 | 12   | 12         | 6170-6174 |
| 39 | M. Kim, Y. Choi, C. Fang-Yen, Y. Sung, K. Kim, R. R. Dasari, M. S. Feld and W. Choi  | Three-dimensional differential interference contrast microscopy using synthetic aperture imaging  | Journal of Biomedical Optics  | 2012 | 17   | 2          |           |
| 40 | Y. Kim, J. M. Higgins, R. R. Dasari, S. Suresh and Y. Park   | Anisotropic light scattering of individual sickle red blood cells   | Journal of Biomedical Optics  | 2012 | 17   | 4          |           |
| 41 | N. Lue, J. W. Kang, T. R. Hillman, R. R. Dasari and Z. Yaqoob  | Single-shot quantitative dispersion phase microscopy  | Applied Physics Letters   | 2012 | 101  | 8          |           |
| 42 | N. Lue, J. W. Kang, C. C. Yu, I. Barman, N. C. Dingari, M. S. Feld, R. R. Dasari and M. Fitzmaurice  | Portable Optical Fiber Probe-Based Spectroscopic Scanner for Rapid Cancer Diagnosis: A New Tool for Intraoperative Margin Assessment            | Plos One  | 2012 | 7    | 1          |           |
| 43 | D. Peceli, S. Webster, D. A. Fishman, C. M. Cirloganu, H. H. Hu, O. V. Przhonska, V. V. Kurdyukov, Y. L. Slominsky, A. I. Tolmachev, A. D. Kachkovski, R. R. Dasari, S. Barlow, S. R. Marder, D. J. Hagan and E. W. Van Stryland | Optimization of the Double Pump-Probe Technique: Decoupling the Triplet Yield and Cross Section   | Journal of Physical Chemistry A   | 2012 | 116  | 20         | 4833-4841 |
| 44 | A. Saha, I. Barman, N. C. Dingari, L. H. Galindo, A. Sattar, W. Liu, D. Plecha, N. Klein, R. R. Dasari and M. Fitzmaurice  | Precision of Raman Spectroscopy Measurements in Detection of Microcalcifications in Breast Needle Biopsies                                      | Analytical Chemistry  | 2012 | 84   | 15         | 6715-6722 |
| 45 | Y. Sung, W. Choi, N. Lue, R. R. Dasari and Z. Yaqoob   | Stain-Free Quantification of Chromosomes in Live Cells Using Regularized Tomographic Phase Microscopy   | Plos One  | 2012 | 7    | 11         |           |
| 46 | G. O. Angheloiu, I. Georgakoudi, A. S. Haka, J. Arendt, O. R. Sceanovic, T. N. Wight, S. P. Evanko, M. Fitzmaurice, R. R. Dasari and J. R. Kramer  | Detection of coronary plaques with proteoglycans and superficial foam cells using 308nm intrinsic fluorescence                                  | Journal of the American College of Cardiology   | 2011 | 57   | 14 Suppl S | E720      |
| 47 | G. O. Angheloiu, A. S. Haka, I. Georgakoudi, J. Arendt, M. G. Muller, O. R. Sceanovic, S. P. Evanko, T. N. Wight, P. Mukherjee, D. H. Waldeck, R. R. Dasari, M. Fitzmaurice, J. R. Kramer and M. S. Feld                         | Detection of coronary atherosclerotic plaques with superficial proteoglycans and foam cells using real-time intrinsic fluorescence spectroscopy | Atherosclerosis   | 2011 | 215  | 1          | 96-102    |
| 48 | I. Barman, N. C. Dingari, N. Rajaram, J. W. Tunnell, R. R. Dasari and M. S. Feld   | Rapid and accurate determination of tissue optical properties using least-squares support vector machines                                       | Biomedical optics express   | 2011 | 2    | 3          | 592-599   |
| 49 | I. Barman, C. R. Kong, G. P. Singh and R. R. Dasari  | Effect of photobleaching on calibration model development in biological Raman spectroscopy  | Journal of Biomedical Optics  | 2011 | 16   |            | 011004    |

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|----|---|---|---|------|------|----|-----------|
| 50 | Y. Choi, T. D. Yang, C. Fang-Yen, P. Kang, K. J. Lee, R. R. Dasari, M. S. Feld and W. Choi                          | Overcoming the diffraction limit using multiple light scattering in a highly disordered medium                                      | Physical Review Letters   | 2011 | 107  | 2  | 23902     |
| 51 | R. Dasari, R. Richards-Kortum and A. Berger   | Special Section Guest Editorial: Special Section Honoring Professor Michael Feld  | Journal of Biomedical Optics  | 2011 | 16   |    | 011001    |
| 52 | N. C. Dingari, I. Barman, J. W. Kang, C. R. Kong, R. R. Dasari and M. S. Feld                                       | Wavelength selection-based nonlinear calibration for transcutaneous blood glucose sensing using Raman spectroscopy                  | Journal of Biomedical Optics  | 2011 | 16   |    | 087009    |
| 53 | N. C. Dingari, I. Barman, G. P. Singh, J. W. Kang, R. R. Dasari and M. S. Feld                                      | Investigation of the specificity of Raman spectroscopy in non-invasive blood glucose measurements                                   | Analytical and Bioanalytical Chemistry  | 2011 |      |    | 1-10      |
| 54 | C. Fang-Yen, W. Choi, Y. Sung, C. J. Holbrow, R. R. Dasari and M. S. Feld   | Video-rate tomographic phase microscopy   | Journal of Biomedical Optics  | 2011 | 16   |    | 011005    |
| 55 | A. S. Haka, J. R. Kramer, R. R. Dasari and M. Fitzmaurice   | Mechanism of ceroid formation in atherosclerotic plaque: in situ studies using a combination of Raman and fluorescence spectroscopy | Journal of Biomedical Optics  | 2011 | 16   | 1  |           |
| 56 | T. R. Hillman, Y. Park, Z. Yaqoob, W. Choi, D. Fu, T. Yamauchi, R. R. Dasari and M. S. Feld                         | Sagnac-interferometry-based digital optical phase conjugation (DOPC) system for turbidity suppression                               | Three-Dimensional and Multidimensional Microscopy: Image Acquisition and Processing Xviii | 2011 | 7904 |    |           |
| 57 | J. W. Kang, N. Lue, C. R. Kong, I. Barman, N. C. Dingari, S. J. Goldfless, J. C. Niles, R. R. Dasari and M. S. Feld | Combined confocal Raman and quantitative phase microscopy system for biomedical diagnosis   | Biomedical optics express   | 2011 | 2    | 9  | 2484-2492 |
| 58 | M. Kim, Y. Choi, C. Fang-Yen, Y. Sung, R. R. Dasari, M. S. Feld and W. Choi   | High-speed synthetic aperture microscopy for live cell imaging  | Optics Letters  | 2011 | 36   | 2  | 148-150   |
| 59 | C. R. Kong, I. Barman, N. C. Dingari, J. W. Kang, L. Galindo, R. R. Dasari and M. S. Feld                           | A novel non-imaging optics based Raman spectroscopy device for transdermal blood analyte measurement                                | AIP advances  | 2011 | 1    | 3  | 032175    |
| 60 | Y. K. Park, C. A. Best-Popescu, R. R. Dasari and G. Popescu   | Light scattering of human red blood cells during metabolic remodeling of the membrane   | Journal of Biomedical Optics  | 2011 | 16   |    | 011013    |
| 61 | A. Saha, I. Barman, N. Dingari, S. McGee, Z. Volynskaya, L. Galindo, W. Liu, D. Plecha, N. Klein and R. Dasari      | Raman spectroscopy: a real-time tool for identifying microcalcifications during stereotactic breast core needle biopsies            | Biomedical optics express   | 2011 | 2    | 10 | 2792-2803 |
| 62 | O. R. Scepanovic, M. Fitzmaurice, A. Miller, C. R. Kong, Z. Volynskaya, R. R. Dasari, J. R. Kramer and M. S. Feld   | Multimodal spectroscopy detects features of vulnerable atherosclerotic plaque   | Journal of Biomedical Optics  | 2011 | 16   | 1  |           |
| 63 | W. Seo, H. G. Hong, M. Lee, Y. Song, W. Choi, R. Dasari and K. An   | Reply to "Comment on 'Realization of a bipolar atomic $\Lambda$ c filter in the cavity-QED microlaser'"                             | Physical Review A   | 2011 | 84   | 3  | 037802    |
| 64 | Y. J. Sung and R. R. Dasari   | Deterministic regularization of three-dimensional optical diffraction tomography  | Journal of the Optical Society of America a-Optics Image Science and Vision               | 2011 | 28   | 8  | 1554-1561 |
| 65 | Z. Yaqoob, T. Yamauchi, W. Choi, D. Fu, R. R. Dasari and M. S. Feld   | Single-shot Full-field reflection phase microscopy  | Optics Express  | 2011 | 19   | 8  | 7587-7595 |
| 66 | Z. Yaqoob, T. Yamauchi, D. Fu, W. Choi, R. R. Dasari and M. S. Feld   | Wide-field Reflection Phase Microscope  | Three-Dimensional and Multidimensional Microscopy: Image Acquisition and Processing Xviii | 2011 | 7904 |    |           |
| 67 | I. Barman, C. R. Kong, N. C. Dingari, R. R. Dasari and M. S. Feld   | Development of robust calibration models using support vector machines for spectroscopic monitoring of blood glucose                | Analytical Chemistry  | 2010 |      |    |           |
| 68 | I. Barman, C. R. Kong, G. P. Singh, R. R. Dasari and M. S. Feld   | Accurate spectroscopic calibration for noninvasive glucose monitoring by modeling the physiological glucose dynamics                | Analytical Chemistry  | 2010 | 82   | 14 | 6104-6114 |
| 69 | I. Barman, C. R. Kong, G. P. Singh, N. C. Dingari, R. R. Dasari and M. S. Feld                                      | Robust Spectroscopic Calibration for Transcutaneous Glucose Monitoring by Modeling of Diffusion Kinetics                            | Xxii International Conference on Raman Spectroscopy                                       | 2010 | 1267 |    | 404-405   |

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| 70 | R. R. Dasari, D. Kleppner and C. H. Holbrow   | Michael Stephen Feld obituary   | Physics Today   | 2010 | 63  | 11 | 60+         |
| 71 | D. Fu, W. Choi, Y. Sung, Z. Yaqoob, R. R. Dasari and M. Feld  | Quantitative dispersion microscopy  | Biomedical optics express   | 2010 | 1   | 2  | 347-353     |
| 72 | D. Fu, S. Oh, W. Choi, T. Yamauchi, A. Dorn, Z. Yaqoob, R. R. Dasari and M. S. Feld   | Quantitative DIC microscopy using an off-axis self-interference approach  | Optics Letters  | 2010 | 35  | 14 | 2370-2372   |
| 73 | Y. Park, C. A. Best, K. Badizadegan, R. R. Dasari, M. S. Feld, T. Kuriabova, M. L. Henle, A. J. Levine and G. Popescu   | Measurement of red blood cell mechanics during morphological changes  | Proceedings of the National Academy of Sciences of the United States of America | 2010 | 107 | 15 | 6731-6736   |
| 74 | W. Seo, H. G. Hong, M. Lee, Y. Song, Y. T. Chough, W. Choi, C. Fang-Yen, R. R. Dasari, M. S. Feld, J. H. Lee and K. An  | Realization of a bipolar atomic Solc filter in the cavity-QED microlaser  | Physical Review A   | 2010 | 81  | 5  |             |
| 75 | X. Zhang, T. T. Steckler, R. R. Dasari, S. Ohira, W. J. Potscavage, S. P. Tiwari, S. Coppee, S. Ellinger, S. Barlow, J. L. Bredas, B. Kippelen, J. R. Reynolds and S. R. Marder | Dithienopyrrole-based donor-acceptor copolymers: low band-gap materials for charge transport, photovoltaics and electrochromism | Journal of Materials Chemistry  | 2010 | 20  | 1  | 123-134     |
| 76 | I. Barman, G. P. Singh, R. R. Dasari and M. S. Feld   | Turbidity-corrected Raman spectroscopy for blood analyte detection  | Analytical Chemistry  | 2009 | 81  | 11 | 4233-4240   |
| 77 | D. Fu, W. Choi, Y. Sung, S. Oh, Z. Yaqoob, Y. Park, R. R. Dasari and M. S. Feld   | Ultraviolet refractometry using field-based light scattering spectroscopy   | Optics Express  | 2009 | 17  | 21 | 18878-18886 |
| 78 | A. S. Haka, Z. Volynskaya, J. A. Gardecki, J. Nazemi, R. Shenk, N. Wang, R. R. Dasari, M. Fitzmaurice and M. S. Feld  | Diagnosing breast cancer using Raman spectroscopy: prospective analysis   | Journal of Biomedical Optics  | 2009 | 14  |    | 054023      |
| 79 | H. G. Hong, W. Seo, M. Lee, Y. Song, W. Choi, C. Fang-Yen, R. R. Dasari, M. S. Feld, J. H. Lee and K. An  | Effects of coupled bichromatic atom-cavity interaction in the cavity-QED microlaser   | Physical Review A   | 2009 | 79  | 3  | 033816      |
| 80 | M. Kalashnikov, W. Choi, C. C. Yu, Y. Sung, R. R. Dasari, K. Badizadegan and M. S. Feld   | Assessing light scattering of intracellular organelles in single intact living cells  | Optics Express  | 2009 | 17  | 22 | 19674-19681 |
| 81 | B. Khaykovich, N. Kozlova, W. Choi, A. Lomakin, C. Hossain, Y. Sung, R. R. Dasari, M. S. Feld and G. B. Benedek   | Thickness- $\zeta$ radius relationship and spring constants of cholesterol helical ribbons                                      | Proceedings of the National Academy of Sciences                                 | 2009 | 106 | 37 | 15663-15666 |
| 82 | N. Lue, W. Choi, G. Popescu, Z. Yaqoob, K. Badizadegan, R. R. Dasari and M. S. Feld   | Live Cell Refractometry Using Hilbert Phase Microscopy and Confocal Reflectance Microscopy                                      | Journal of Physical Chemistry A   | 2009 | 113 | 47 | 13327-13330 |
| 83 | Y. K. Park, W. Choi, Z. Yaqoob, R. Dasari, K. Badizadegan and M. S. Feld  | Speckle-field digital holographic microscopy  | Optics Express  | 2009 | 17  | 15 | 12285-12292 |
| 84 | Y. K. Park, T. Yamauchi, W. Choi, R. Dasari and M. S. Feld  | Spectroscopic phase microscopy for quantifying hemoglobin concentrations in intact red blood cells                              | Optics Letters  | 2009 | 34  | 23 | 3668-3670   |
| 85 | M. M. Sartin, M. Cozzuol, R. R. Dasari, S. R. Marder and J. W. Perry  | Nonlinear optical properties of a dendronized ruthenium phthalocyanine and naphthalocyanine                                     | Abstracts of Papers of the American Chemical Society                            | 2009 | 238 |    |             |
| 86 | O. R. Scepanovic, Z. Volynskaya, C. R. Kong, L. H. Galindo, R. R. Dasari and M. S. Feld   | A multimodal spectroscopy system for real-time disease diagnosis  | Review of Scientific Instruments  | 2009 | 80  | 4  |             |
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