

Stanford



Bruce Daniel

Professor of Radiology (Body Imaging) and, by courtesy, of Bioengineering

CLINICAL OFFICES

- **Stanford Diagnostic Radiology**

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Stanford, CA 94305

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Jocelyn Steffen - Administrative Assistant

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Bio

CLINICAL FOCUS

- Diagnostic Radiology
- Radiology

ACADEMIC APPOINTMENTS

- Professor, Radiology
- Professor (By courtesy), Bioengineering
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Gastrointestinal Oncology Tumor Board, Stanford, (1997- present)
- Genito-Urinary Tumor Board, Stanford, (2010- present)
- Breast Cancer Disease Management Group Member, Stanford Cancer Center, (2007- present)
- Chief, Breast MRI Service, Stanford, (2006- present)

HONORS AND AWARDS

- Lauterber Award in MR, Society of Computed Body Tomography and Magnetic Resonance (2008)
- Second Place Poster Awarded [Contributing Author], 5th Interventional MRI Symposium (2004)
- Winner, Young Investigator Award competition, Association for Advancement of Medical Instrumentation (AAMI) (2004)
- Elected Fellow, Society of Computed Body Tomography and Magnetic Resonance (2002)
- Winner of best paper award (North America) [Contributing Author], ESUR-SUR (2002)
- Cum Laude Award [Advisor to award recipient, Rebecca Fahrig, Ph.D.], SCBT/MR (2001)

- Finalist, Young Investigator Competition [Advisor to first author Janaka Wansapura, Ph.D.], Association for Advancement of Medical Instrumentation (AAMI) (2001)
- Fellowship Research Trainee Prize [Advisor to award recipient, Rebecca Fahrig, Ph.D.], RSNA 2000 Physics Subcommittee (2000)
- Moncada Award for an Outstanding Scientific Paper on Cross Sectional Imaging, Society of Computed Body Tomography and Magnetic Resonance (2000)
- Picker/AUR Faculty Development Program Recipient, - (1999)
- Gary Becker Award for Outstanding Interventional Radiology Paper, - (1998)
- Cum Laude Award for an Outstanding Scientific Paper on Cross Sectional Imaging, Society of Computed Body Tomography and Magnetic Resonance (1996)
- Recipient of National Cancer Institute Cancer Imaging Training Grant Fellowship, Stanford University Department of Radiology (1995-97)
- Outstanding Scientific Paper by a House Officer, University of Michigan Medical Center Department of Radiology (1995)
- Outstanding Scientific Paper by a House Officer, University of Michigan Medical Center Department of Radiology (1994)
- Highest Honors in Physics, Williams College (1985)
- Howard Stabler prize for honors thesis in Physics, Williams College (1985)
- Magna Cum Laude, Williams College (1985)
- Sigma Xi, Williams College (1985)
- Phi Beta Kappa, Williams College (1984)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Radiology Fellowships (1997) CA
- Residency: University of Michigan Radiology Residency (1995) MI
- Board Certification: Diagnostic Radiology, American Board of Radiology (1995)
- Internship: Mount Sinai Medical Center (1991) NY
- Medical Education: Harvard Medical School (1990) MA
- BA, Williams College (1985)
- MD, Harvard Medical School , Medicine (1990)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

1. MRI of Breast Cancer, particularly new techniques. Currently being explored are techniques including ultra high spatial resolution MRI and contrast-agent-free detection of breast tumors.
2. MRI-guided interventions, especially MRI-compatible remote manipulation and haptics
3. Medical Mixed Reality. Currently being explored are methods of fusing patients and their images to potentially improve breast conserving surgery, and other conditions.

CLINICAL TRIALS

- Magnetic Resonance Imaging of Breast Cancer, Recruiting
- Accelerated Partial Breast Irradiation Following Lumpectomy for Breast Cancer, Not Recruiting
- High Resolution 3D Diffusion-weighted Breast MRI, Not Recruiting
- Phase 2 Anastrozole and Vandetanib (ZD6474) in Neoadjuvant Treatment of Postmenopausal Hormone Receptor-Positive Breast Cancer, Not Recruiting

Teaching

COURSES

2022-23

- Clinical Needs and Technology: BIOE 301B (Win)

2021-22

- Mixed-Reality in Medicine: RAD 206 (Aut)

2019-20

- Clinical Needs and Technology: BIOE 301B (Win)
- Mixed-Reality in Medicine: RAD 206 (Aut)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Jeremiah Hess

Publications

PUBLICATIONS

- **Phantom study of SPECT/CT augmented reality for intraoperative localization of sentinel lymph nodes in head and neck melanoma.** *Oral oncology*
Nakamoto, R., Zhuo, J., Guja, K. E., Duan, H., Perkins, S. L., Leuze, C., Daniel, B. L., Franc, B. L.
1800; 125: 105702
- **Biopsy Marker Localization with Thermo-Acoustic Ultrasound for Lumpectomy Guidance.** *Medical physics*
Dixit, N., Daniel, B. L., Hargreaves, B. A., Pauly, J. M., Scott, G. C.
2021
- **A Pilot Study of 68Ga-PSMA11 PET/MRI and 68GaRM2 PET/MRI for Biopsy Guidance in Patients with Suspected Prostate Cancer**
Duan, H., Ferri, V., Ghanouni, P., Daniel, B., Hatami, N., Davidzon, G., Aparici, C., Moradi, F., Thong, A., Sonn, G., Iagaru, A.
SOC NUCLEAR MEDICINE INC.2021
- **Multishot Diffusion-Weighted MRI of the Breast With Multiplexed Sensitivity Encoding (MUSE) and Shot Locally Low-Rank (Shot-LLR) Reconstructions.** *Journal of magnetic resonance imaging : JMRI*
Hu, Y., Ikeda, D. M., Pittman, S. M., Samarawickrama, D., Guidon, A., Rosenberg, J., Chen, S., Okamoto, S., Daniel, B. L., Hargreaves, B. A., Moran, C. J.
2020
- **Prognostic values of quantitative and morphological parameters of dbPET in patients with luminal-type breast cancer: A pilot study**
Miyake, K., Nakamoto, Y., Ikeda, D., Iagaru, A., Daniel, B., Lipson, J., Pal, S., Mitra, E., Guo, H., Kanao, S., Kataoka, M., Toi, M., Togashi, et al
SOC NUCLEAR MEDICINE INC.2020
- **Pure Fibrocystic Change Diagnosed at MRI-guided Vacuum-assisted Breast Biopsy: Imaging Features and Follow-up Outcomes** *JOURNAL OF BREAST IMAGING*
Chen, S., Okamoto, S., Daniel, B. L., Covelli, J., DeMartini, W. B., Ikeda, D. M.
2020; 2 (2): 141-46
- **Clumped vs non-clumped internal enhancement patterns in linear non-mass enhancement on breast MRI**
Chen, S., Covelli, J., Okamoto, S., Daniel, B., DeMartini, W., Ikeda, D.
AMER ASSOC CANCER RESEARCH.2020
- **Diffusion-weighted double-echo steady-state with a three-dimensional cones trajectory for non-contrast-enhanced breast MRI.** *Journal of magnetic resonance imaging : JMRI*
Moran, C. J., Cheng, J. Y., Sandino, C. M., Carl, M. n., Alley, M. T., Rosenberg, J. n., Daniel, B. L., Pittman, S. M., Rosen, E. L., Hargreaves, B. A.
2020

- **Evaluation of Different Visualization Techniques for Perception-Based Alignment in Medical AR**
Fischer, M., Leuze, C., Perkins, S., Rosenberg, J., Daniel, B., Martin-Gomez, A., IEEE COMP SOC
IEEE COMPUTER SOC.2020: 45-50
- **Landmark-based mixed-reality perceptual alignment of medical imaging data and accuracy validation in living subjects** *IEEE International Symposium on Mixed and Augmented Reality (ISMAR)*
Leuze, C., Sathyanarayana, S., Daniel, B. L., McNab, J. A.
2020
- **Comparison of head pose tracking methods for mixed-reality neuronavigation for transcranial magnetic stimulation** *SPIE Medical Imaging*
Sathyanarayana, S., Leuze, C., Hargreaves, B., Daniel, B. L., Wetzstein, G., Etkin, A., Bhati, M. T., McNab, J. A.
2020
- **Enabling In-Bore MRI-Guided Biopsies With Force Feedback** *IEEE TRANSACTIONS ON HAPTICS*
Frishman, S., Kight, A., Pirozzi, I., Coffey, M. C., Daniel, B. L., Cutkosky, M. R.
2020; 13 (1): 159–66
- **A Patient-Specific Mixed-Reality Visualization Tool for Thoracic Surgical Planning.** *The Annals of thoracic surgery*
Perkins, S. L., Krajancich, B. n., Jeffrey Yang, C. F., Hargreaves, B. A., Daniel, B. L., Berry, M. F.
2020
- **Clumped vs non-clumped internal enhancement patterns in linear non-mass enhancement on breast MRI.** *The British journal of radiology*
Chen, S. T., Covelli, J. n., Okamoto, S. n., Daniel, B. L., DeMartini, W. B., Ikeda, D. M.
2020: 20201166
- **Application of holographic augmented reality for external approaches to the frontal sinus.** *International forum of allergy & rhinology*
Neves, C. A., Vaisbuch, Y. n., Leuze, C. n., McNab, J. A., Daniel, B. n., Blevins, N. H., Hwang, P. H.
2020
- **RUN-UP: Accelerated multishot diffusion-weighted MRI reconstruction using an unrolled network with U-Net as priors.** *Magnetic resonance in medicine*
Hu, Y. n., Xu, Y. n., Tian, Q. n., Chen, F. n., Shi, X. n., Moran, C. J., Daniel, B. L., Hargreaves, B. A.
2020
- **Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model** *MOLECULAR IMAGING AND BIOLOGY*
Bachawal, S. V., Park, J., Valluru, K. S., Loft, M., Felt, S. A., Vilches-Moure, J. G., Saenz, Y. F., Daniel, B., Iagaru, A., Sonn, G., Cheng, Z., Spielman, D. M., Willmann, et al
2019; 21 (5): 861–70
- **Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists** *EUROPEAN UROLOGY FOCUS*
Sonn, G. A., Fan, R. E., Ghanouni, P., Wang, N. N., Brooks, J. D., Loening, A. M., Daniel, B. L., To'o, K. J., Thong, A. E., Leppert, J. T.
2019; 5 (4): 592–99
- **Multimodality Hyperpolarized C-13 MRS/PET/Multiparametric MR Imaging for Detection and Image-Guided Biopsy of Prostate Cancer: First Experience in a Canine Prostate Cancer Model.** *Molecular imaging and biology : MIB : the official publication of the Academy of Molecular Imaging*
Bachawal, S. V., Park, J. M., Valluru, K. S., Loft, M. D., Felt, S. A., Vilches-Moure, J. G., Saenz, Y. F., Daniel, B., Iagaru, A., Sonn, G., Cheng, Z., Spielman, D. M., Willmann, et al
2019
- **Motion-robust reconstruction of multishot diffusion-weighted images without phase estimation through locally low-rank regularization** *MAGNETIC RESONANCE IN MEDICINE*
Hu, Y., Levine, E. G., Tian, Q., Moran, C. J., Wang, X., Taviani, V., Vasanaawala, S. S., Mcnab, J. A., Daniel, B. L., Hargreaves, B. A.
2019; 81 (2): 1181–90
- **Breast dispersion imaging using undersampled rapid dynamic contrast-enhanced MRI**
Shi, L., Srinivasan, S., Hargreaves, B., Daniel, B., Mori, K., Hahn, H. K.
SPIE-INT SOC OPTICAL ENGINEERING.2019
- **Spatial integration of radiology and pathology images to characterize breast cancer aggressiveness on pre-surgical MRI**
Rusu, M., Daniel, B., West, R., Angelini, E. D., Landman, B. A.

SPIE-INT SOC OPTICAL ENGINEERING.2019

- **High-risk lesions diagnosed at MRI-guided vacuum-assisted breast biopsy: imaging characteristics, outcome of surgical excision or imaging follow-up.** *Breast cancer (Tokyo, Japan)*
Okamoto, S. n., Chen, S. T., Covelli, J. D., DeMartini, W. B., Daniel, B. L., Ikeda, D. M.
2019
- **Multi-shot diffusion-weighted MRI reconstruction with magnitude-based spatial-angular locally low-rank regularization (SPA-LLR).** *Magnetic resonance in medicine*
Hu, Y. n., Wang, X. n., Tian, Q. n., Yang, G. n., Daniel, B. n., McNab, J. n., Hargreaves, B. n.
2019
- **Motion-robust reconstruction of multishot diffusion-weighted images without phase estimation through locally low-rank regularization.** *Magnetic resonance in medicine*
Hu, Y., Levine, E. G., Tian, Q., Moran, C. J., Wang, X., Taviani, V., Vasanawala, S. S., McNab, J. A., Daniel, B. A., Hargreaves, B. L.
2018
- **HoloNeedle: Augmented Reality Guidance System for Needle Placement Investigating the Advantages of Three-Dimensional Needle Shape Reconstruction** *IEEE ROBOTICS AND AUTOMATION LETTERS*
Lin, M. A., Siu, A. F., Bae, J., Cutkosky, M. R., Daniel, B. L.
2018; 3 (4): 4156–62
- **Magnetic resonance imaging and molecular features associated with tumor-infiltrating lymphocytes in breast cancer.** *Breast cancer research : BCR*
Wu, J., Li, X., Teng, X., Rubin, D. L., Napel, S., Daniel, B. L., Li, R.
2018; 20 (1): 101
- **Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer.** *Radiology*
Park, S. Y., Zacharias, C., Harrison, C., Fan, R. E., Kunder, C., Hatami, N., Giesel, F., Ghanouni, P., Daniel, B., Loening, A. M., Sonn, G. A., Iagaru, A.
2018: 172232
- **Intratumoral Spatial Heterogeneity at Perfusion MR Imaging Predicts Recurrence-free Survival in Locally Advanced Breast Cancer Treated with Neoadjuvant Chemotherapy.** *Radiology*
Wu, J. n., Cao, G. n., Sun, X. n., Lee, J. n., Rubin, D. L., Napel, S. n., Kurian, A. W., Daniel, B. L., Li, R. n.
2018: 172462
- **Imaging of magnetic ink patterns via off-resonance sensitivity.** *Magnetic resonance in medicine*
Perkins, S. L., Daniel, B. L., Hargreaves, B. A.
2018
- **Mixed-reality guidance for brain stimulation treatment of depression**
Leuze, C., Yang, G., Hargreaves, B., Daniel, B., McNab, J. A., IEEE
IEEE.2018: 377–80
- **MR-Compatible Haptic Display of Membrane Puncture in Robot-Assisted Needle Procedures.** *IEEE transactions on haptics*
Han, A. K., Bae, J. H., Gregoriou, K. C., Ploch, C. J., Goldman, R. E., Glover, G. H., Daniel, B. L., Cutkosky, M. R.
2018
- **The impact of computed high b-value images on the diagnostic accuracy of DWI for prostate cancer: A receiver operating characteristics analysis.** *Scientific reports*
Ning, P. n., Shi, D. n., Sonn, G. A., Vasanawala, S. S., Loening, A. M., Ghanouni, P. n., Obara, P. n., Shin, L. K., Fan, R. E., Hargreaves, B. A., Daniel, B. L.
2018; 8 (1): 3409
- **Artifact-reduced imaging of biopsy needles with 2D multispectral imaging.** *Magnetic resonance in medicine*
Weber, H. n., Hargreaves, B. A., Daniel, B. L.
2018; 80 (2): 655–61
- **Fat-based registration of breast dynamic contrast enhanced water images.** *Magnetic resonance in medicine*
Srinivasan, S. n., Hargreaves, B. A., Daniel, B. L.
2018; 79 (4): 2408–14
- **3D Cartesian MRI with compressed sensing and variable view sharing using complementary poisson-disc sampling** *MAGNETIC RESONANCE IN MEDICINE*

- Levine, E., Daniel, B., Vasawala, S., Hargreaves, B., Saranathan, M.
2017; 77 (5): 1774-1785
- **Association of morphological and quantitative parameters on dedicated breast PET with the expression status of hormone receptors, HER2 and Ki-67 in breast cancers**
Miyake, K., Ikeda, D., Lagaru, A., Quon, A., Daniel, B., Lipson, J., Pal, S., Mitra, E., Guo, H., Nakamoto, Y., Nishimatsu, K., Kanao, S., Kataoka, et al
SOC NUCLEAR MEDICINE INC.2017
 - **High-resolution diffusion-weighted imaging of the breast with multiband 2D radiofrequency pulses and a generalized parallel imaging reconstruction** *MAGNETIC RESONANCE IN MEDICINE*
Taviani, V., Alley, M. T., Banerjee, S., Nishimura, D. G., Daniel, B. L., Vasawala, S. S., Hargreaves, B. A.
2017; 77 (1): 209-220
 - **Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists.** *European urology focus*
Sonn, G. A., Fan, R. E., Ghanouni, P. n., Wang, N. N., Brooks, J. D., Loening, A. M., Daniel, B. L., To'o, K. J., Thong, A. E., Leppert, J. T.
2017
 - **Haptic Feedback of Membrane Puncture with an MR-Compatible Instrumented Needle and Electroactive Polymer Display**
Bae, J., Han, A., Ploch, C. J., Daniel, B. L., Cutkosky, M. R., Gerling, G., Otaduy, M. A., Ryu, J. H.
IEEE.2017: 54-59
 - **A Mixed-Reality System for Breast Surgical Planning**
Perkins, S. L., Lin, M. A., Srinivasan, S., Wheeler, A. J., Hargreaves, B. A., Daniel, B. L., Broll, W., Regenbrecht, H., Swan, J. E., Bruder, G., Servieres, M., Sugimoto, M.
IEEE.2017: 269-74
 - **Impact of Breast Density Legislation on Breast Cancer Risk Assessment and Supplemental Screening: A Survey of 110 Radiology Facilities.** *breast journal*
Nayak, L., Miyake, K. K., Leung, J. W., Price, E. R., Liu, Y. I., Joe, B. N., Sickles, E. A., Thomas, W. R., Lipson, J. A., Daniel, B. L., Hargreaves, J., Brenner, R. J., Bassett, et al
2016; 22 (5): 493-500
 - **Five-year results of a prospective clinical trial investigating accelerated partial breast irradiation using 3D conformal radiotherapy after lumpectomy for early stage breast cancer** *BREAST*
Horst, K. C., Fasola, C., Ikeda, D., Daniel, B., Ognibene, G., Goffinet, D. R., Dirbas, F. M.
2016; 28: 178-183
 - **3D Cartesian MRI with compressed sensing and variable view sharing using complementary poisson-disc sampling.** *Magnetic resonance in medicine*
Levine, E., Daniel, B., Vasawala, S., Hargreaves, B., Saranathan, M.
2016: -?
 - **Breast Imaging in Women Previously Irradiated for Hodgkin Lymphoma.** *American journal of clinical oncology*
Horst, K. C., Fero, K. E., Hancock, S. L., Advani, R. H., Ikeda, D. M., Daniel, B., Rosenberg, S. A., Donaldson, S. S., Hoppe, R. T.
2016; 39 (2): 114-119
 - **PROSTATE CANCER YIELD IN MRI LESIONS VARIES ACROSS RADIOLOGISTS**
Sonn, G., Fan, R., Li, S., Ghanouni, P., Loening, A., Daniel, B., To'o, K., Gill, H., Chung, B., Brooks, J.
ELSEVIER SCIENCE INC.2016: E42
 - **High-resolution diffusion-weighted imaging of the breast with multiband 2D radiofrequency pulses and a generalized parallel imaging reconstruction.** *Magnetic resonance in medicine*
Taviani, V., Alley, M. T., Banerjee, S., Nishimura, D. G., Daniel, B. L., Vasawala, S. S., Hargreaves, B. A.
2016
 - **Display of Needle Tip Contact Forces for Steering Guidance**
Bae, J., Ploch, C. J., Lin, M. A., Daniel, B. L., Cutkosky, M. R., Choi, S. M., Kuchenbecker, K. J., Gerling, G.
IEEE.2016: 332-37
 - **Assessment of Tumor Morphology on Diffusion-Weighted (DWI) Breast MRI: Diagnostic Value of Reduced Field of View DWI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Barentsz, M. W., Taviani, V., Chang, J. M., Ikeda, D. M., Miyake, K. K., Banerjee, S., Van den Bosch, M. A., Hargreaves, B. A., Daniel, B. L.
2015; 42 (6): 1656-1665

- **Assessment of tumor morphology on diffusion-weighted (DWI) breast MRI: Diagnostic value of reduced field of view DWI.** *Journal of magnetic resonance imaging*
Barentsz, M. W., Taviani, V., Chang, J. M., Ikeda, D. M., Miyake, K. K., Banerjee, S., Van den Bosch, M. A., Hargreaves, B. A., Daniel, B. L.
2015; 42 (6): 1656-1665
- **Balanced SSFP Dixon imaging with banding-artifact reduction at 3 Tesla** *MAGNETIC RESONANCE IN MEDICINE*
Quist, B., Hargreaves, B. A., Daniel, B. L., Saranathan, M.
2015; 74 (3): 706-715
- **Impact of breast density notification laws on radiology practices: A survey of 110 radiology facilities**
Nayak, L., Miyake, K. K., Liu, Y., Thomas, W. R., Sickles, E. A., Joe, B. N., Lindfors, K., Brenner, R. J., Feig, S., Bassett, L. W., Leung, J. W., Ojeda-Fournier, H., Hargreaves, et al
AMER ASSOC CANCER RESEARCH.2015
- **Rim Sign in Breast Lesions on Diffusion-Weighted Magnetic Resonance Imaging: Diagnostic Accuracy and Clinical Usefulness** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Kang, B. J., Lipson, J. A., Planey, K. R., Zackrisson, S., Ikeda, D. M., Kao, J., Pal, S., Moran, C. J., Daniel, B. L.
2015; 41 (3): 616-623
- **A Passive Parallel Master-Slave Mechanism for Magnetic Resonance Imaging-Guided Interventions.** *Journal of medical devices*
Elayaperumal, S., Cutkosky, M. R., Renaud, P., Daniel, B. L.
2015; 9 (1): 0110081–1100811
- **A Passive Parallel Master-Slave Mechanism for Magnetic Resonance Imaging-Guided Interventions** *JOURNAL OF MEDICAL DEVICES-TRANSACTIONS OF THE ASME*
Elayaperumal, S., Cutkosky, M. R., Renaud, P., Daniel, B. L.
2015; 9 (1)
- **Design of an Optically Controlled MR-Compatible Active Needle** *IEEE TRANSACTIONS ON ROBOTICS*
Ryu, S. C., Quek, Z. F., Koh, J., Renaud, P., Black, R. J., Moslehi, B., Daniel, B. L., Cho, K., Cutkosky, M. R.
2015; 31 (1): 1-11
- **Design of an Optically Controlled MR-Compatible Active Needle.** *IEEE transactions on robotics : a publication of the IEEE Robotics and Automation Society*
Ryu, S. C., Quek, Z. F., Koh, J. S., Renaud, P., Black, R. J., Moslehi, B., Daniel, B. L., Cho, K. J., Cutkosky, M. R.
2015; 31 (1): 1-11
- **Variable Spatiotemporal Resolution Three-Dimensional Dixon Sequence for Rapid Dynamic Contrast-Enhanced Breast MRI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Saranathan, M., Rettmann, D. W., Hargreaves, B. A., Lipson, J. A., Daniel, B. L.
2014; 40 (6): 1392-?
- **Autonomous Real-Time Interventional Scan Plane Control With a 3-D Shape-Sensing Needle** *IEEE TRANSACTIONS ON MEDICAL IMAGING*
Elayaperumal, S., Plata, J. C., Holbrook, A. B., Park, Y., Pauly, K. B., Daniel, B. L., Cutkosky, M. R.
2014; 33 (11): 2128-2139
- **Balanced SSFP Dixon imaging with banding-artifact reduction at 3 Tesla.** *Magnetic resonance in medicine : official journal of the Society of Magnetic Resonance in Medicine / Society of Magnetic Resonance in Medicine*
Quist, B., Hargreaves, B. A., Daniel, B. L., Saranathan, M.
2014
- **Detection of Membrane Puncture with Haptic Feedback using a Tip-Force Sensing Needle.** *Proceedings of the ... IEEE/RSJ International Conference on Intelligent Robots and Systems. IEEE/RSJ International Conference on Intelligent Robots and Systems*
Elayaperumal, S., Bae, J. H., Daniel, B. L., Cutkosky, M. R.
2014; 2014: 3975–81
- **Breast magnetic resonance imaging alters patient selection for accelerated partial breast irradiation.** *American journal of clinical oncology*
Horst, K. C., Ikeda, D. M., Fero, K. E., Daniel, B. L., Goffinet, D. R., Dirbas, F. M.
2014; 37 (3): 248-254
- **Breast Magnetic Resonance Imaging Alters Patient Selection for Accelerated Partial Breast Irradiation** *AMERICAN JOURNAL OF CLINICAL ONCOLOGY-CANCER CLINICAL TRIALS*

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- Horst, K. C., Ikeda, D. M., Fero, K. E., Daniel, B. L., Goffinet, D. R., Dirbas, F. M.
2014; 37 (3): 248-254
- **High-resolution, three-dimensional diffusion-weighted breast imaging using DESS.** *Magnetic resonance imaging*
Granlund, K. L., Staroswiecki, E., Alley, M. T., Daniel, B. L., Hargreaves, B. A.
2014; 32 (4): 330-341
 - **Homogenous Fat Suppression for Bilateral Breast Imaging Using Independent Shims** *MAGNETIC RESONANCE IN MEDICINE*
Han, M., Cunningham, C. H., Pauly, J. M., Daniel, B. L., Hargreaves, B. A.
2014; 71 (4): 1511-1517
 - **3D T2-Weighted Spin Echo Imaging in the Breast** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Moran, C. J., Hargreaves, B. A., Saranathan, M., Lipson, J. A., Kao, J., Ikeda, D. M., Daniel, B. L.
2014; 39 (2): 332-338
 - **Detection of Membrane Puncture with Haptic Feedback using a Tip-Force Sensing Needle** *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*
Elayaperumal, S., Bae, J. H., Daniel, B. L., Cutkosky, M. R.
IEEE.2014: 3975-3981
 - **Why Are Patients Noncompliant With Follow-Up Recommendations After MRI-Guided Core Needle Biopsy of Suspicious Breast Lesions?** *AJR. American journal of roentgenology*
Thompson, M. O., Lipson, J., Daniel, B., Harrigal, C., Mullarkey, P., Pal, S., Thompson, A. C., Ikeda, D.
2013; 201 (6): 1391-1400
 - **The california breast density information group: a collaborative response to the issues of breast density, breast cancer risk, and breast density notification legislation.** *Radiology*
Price, E. R., Hargreaves, J., Lipson, J. A., Sickles, E. A., Brenner, R. J., Lindfors, K. K., Joe, B. N., Leung, J. W., Feig, S. A., Bassett, L. W., Ojeda-Fournier, H., Daniel, B. L., Kurian, et al
2013; 269 (3): 887-892
 - **Image quality and diagnostic performance of silicone-specific breast MRI.** *Magnetic resonance imaging*
Kim, S. H., Lipson, J. A., Moran, C. J., Shimakawa, A., Kuo, J., Ikeda, D. M., Daniel, B. L.
2013; 31 (9): 1472-1478
 - **Simultaneous T-1 and B-1(+) Mapping Using Reference Region Variable Flip Angle Imaging** *MAGNETIC RESONANCE IN MEDICINE*
Sung, K., Saranathan, M., Daniel, B. L., Hargreaves, B. A.
2013; 70 (4): 954-961
 - **Defining an optimal role for breast magnetic resonance imaging when evaluating patients otherwise eligible for accelerated partial breast irradiation.** *Radiotherapy and oncology*
Horst, K. C., Fero, K. E., Ikeda, D. M., Daniel, B. L., Dirbas, F. M.
2013; 108 (2): 220-225
 - **Location constrained approximate message passing for compressed sensing MRI** *MAGNETIC RESONANCE IN MEDICINE*
Sung, K., Daniel, B. L., Hargreaves, B. A.
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