

## Abhyankar, V.V. et al.

### Journal Paper

Hasan, Mohammad R., et al. "One-Step Fabrication of Flexible Nanotextured PDMS as a Substrate for Selective Cell Capture." *Biomedical Physics & Engineering Express*. (2017): 1-11. Web. \*

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Tran, Nhat, et al. "MicroRNA Dysregulation Synergistic Network: Learning Context-Specific MicroRNA Dysregulations in Lung Cancer Subtypes." *Proceedings of the 2017 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*. Ed. IEEE. Kansas City, MO: IEEE, 2017. Web. \*

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### Journal Papers

Marshall, Randolph S., et al. "Altered Cerebral Hemodynamics and Cortical Thinning In Asymptomatic Carotid Artery Stenosis." *PLOS One*. (2017): 1-14. Print. \*

Petr, Jan, et al. "Photon vs. Proton Radiochemotherapy: Effects on Brain Tissue Volume and Perfusion." *Radiotherapy and Oncology*. (2017): 221-231. Print. \*

### Published Conference Proceedings

Liao, Justin, et al. "Effect of Brain Extraction of Low Resolution Arterial Spin Labeling (ASL) fMRI Images on Realignment and Coregistration." *Proceedings of the Engineering in Medicine and Biology*. Ed. IEEE and EMBS. Piscataway, NJ: EMBS, 2017. Print. \*

Marshall, Ronald S., et al. "Regional Hypoperfusion is Associated with Cortical Thinning in Asymptomatic Carotid Artery Disease." *Proceedings of the International Stroke Conference*. Ed. Marc Fisher. Houston, TX: ICS, 2017. Print. \*

Petr, Jan, et al. "Perfusion Decrease During Radiochemotherapy is Not Fully Explained by Volumetric Gray Matter Changes." *Proceedings of the International Society of Magnetic Resonance in Medicine*. Ed. ISMRM. Concord, CA: ISMRM, 2017. Print. \*

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Mutsaerts, Henri J., et al. "Perfusion Changes Following Elective Surgery In the Elderly." Proceedings of the European Society for Magnetic Resonance in Medicine and Biology. Ed. Patrick Cozzone. Vienna, Austria: ESMRMB, 2017. Print. \*

Mutsaerts, Henri J., et al. "Explore-ASL: Image Processing Toolbox For Multi-Center ASL Population Analyses." Proceedings of the European Society for Magnetic Resonance in Medicine and Biology. Ed. Patrick Cozzone. Vienna, Austria: ESMRMB, 2017. Print. \*

### **Day, S.W. et.al**

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Tchantchaleishvili, Vakhtang, et al. "Clinical Implications of Physiological Flow Adjustment in Continuous-Flow Left Ventricular Assist Devices." ASAIO Journal 63. 3 (2017): 241-250. Print.

### **Gaborski T.R. et al.**

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Carter, R.N., et al. "Ultrathin Transparent Porous Glass Membranes For Cell Culture." Biofabrication 9. 1 (2017): 1-23. Print. \*

Casillo, S.M., et al. "Membrane Pore Spacing Can Modulate Endothelial Cell-Substrate and Cell-Cell Interactions." ACS Biomaterials Science & Engineering 3. 3 (2017): 243-248. Print. \*

Ramirez, M.M. and T.R. Gaborski. "Fabrication Techniques Enabling Ultrathin Nanostructured Membranes for Separations." Electrophoresis 28. 19 (2017): 2374-2388. Print. \*

Chung, H.H., et al. "Porous Substrates Promote Early Endothelial Migration at the Expense of Fibronectin Fibrillogenesis." ACS Biomaterials Science & Engineering 4. 1 (2018): 222-230. Print. \*

### **Lapizco-Encinas B.H. et al.**

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Flanagan, L.A., F.H. Labeed, and B.H. Lapizco-Encinas. "Focus on AES Annual Meeting 2016." Electrophoresis 38. 20 (2017): 2553-2553. Print. \*

Lapizco-Encinas, B.H. and Z. El Rassi. "Electro-and Liquid Phase-Separations (ITP 2016)." *Electrophoresis* 38. 12 (2017): 1537-1537. Print. \*

Lapizco-Encinas, B.H. "Dielectrophoresis 2017." *Electrophoresis* 38. 11 (2017): 1405-1406. Print.\*

Saucedo-Espinosa, M.A. and B.H. Lapizco-Encinas. "Exploiting Particle Mutual Interactions To Enable Challenging Dielectrophoretic Processes." *Analytical Chemistry* 89. 16 (2017): 8459-8467. Print. \*

Romero-Creel, M.F., et al. "Assessment of Sub-Micron Particles By Exploiting Charge Differences with Dielectrophoresis." *Micromachines* 8. 8 (2017): 239-253. Web. \*

### **Linte C.A. et al.**

#### **Journal Papers**

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#### **Published Conference Proceedings**

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Jalalahmadi, G., M. Helguera, and C.A. Linte. "A Numerical Finite Element Model to Study the Biomechanical Behavior of Abdominal Aortic Aneurysm." *Proceedings of the Proc SPIE Medical Imaging: Biomedical Applications in Molecular, Functional and Structural Images*. Ed. B. Jimi and A. Krol. Bellingham, WA: SPIE, 2017. Print. \*

Jackson, A., et al. "3D Printing for Orthopedic Applications: From High Resolution Cone Beam CT Images to Life Size Physical Models." *Proceedings of the Proc SPIE Medical Imaging: Imaging Informatics for Healthcare, Research and Applications*. Ed. T. Cook and J. Zhang. Bellingham, WA: SPIE, 2017. Print. \*

Krueger, E., et al. "An Interactive, Stereoscopic Virtual Environment for Medical Imaging Visualization, Simulation and Training." Proceedings of the Proc SPIE Medical Imaging: Image Perception, Observer performance and Technology Assessment. Ed. M. Kupinsky and R. Nishikawa. Bellingham, WA: SPIE, 2017. Print. \*

Shontz, S.M., et al. "High-Order Tetrahedral Mesh Generation for Cardiac Simulations." Proceedings of the International Conference on Computational Methods for Coupled Problems in Science and Engineering – Coupled Problems. Ed. M. Papadrakakis, E. Oñate, and B.A. Schrefler. Barcelona, Spain: International Center for Numerical Methods in Engineering (CIMNE), 2017. Print. \*