

- Arora, N. M. D.; Martins, D. B. S.; Ruggerio, D. B. S.; Tousimis, E. M. D.; Swistel, A. J. M. D.; Osborne, M. P. M. D. and Simmons, R. M. M. D. (2008), “Effectiveness of a noninvasive digital infrared thermal imaging system in the detection of breast cancer”, In: *The American Journal of Surgery*, pages 196, 523–526.
- Ciresan, D. C., Giusti, A., Gambardella, L. M., and Schmidhuber, J. (2012) “Deep neural networks segment neuronal membranes in electron microscopy images” in *NIPS*, 2012, pp. 2852–2860. 1, 2, 4, 7
- Conci, A., Sanchez, A., Liatsis, P., Usuki, H. (2013) “Signal Processing Techniques for Detection of Breast Diseases”, *Signal Processing*. Vol. 93, pp. 2784-2788.
- Conci, A., Galvão, S., Sequeiros, G. O., Saade, D.C.M., Machenry, T. (2015) “A new measure for comparing biomedical regions of interest in segmentation of digital images”, *Discrete Applied Mathematics*, v. 1, p. 1.
- Everingham, M., Van Gool, L., Williams, C. K. I., Winn, J., and Zisserman, A. (2011) “The PASCAL Visual Object Classes Challenge 2011 (VOC2011) Results” URL: <http://host.robots.ox.ac.uk/pascal/VOC/voc2011/index.html>.
- Farabet, C., Couprie, C., Najman, L., and LeCun, Y. (2013) “Learning hierarchical features for scene labeling”, *PAMI*, 1, 2, 4, 7, 8.
- Gupta, S., Girshick, R., Arbelaez, P., and Malik, J. (2014) “Learning rich features from RGB-D images for object detection and segmentation,” in *ECCV*, 1, 2, 8.
- Hariharan, B., Arbelaez, P., Girshick, R., and Malik, J. (2014) “Simultaneous detection and segmentation,” in *ECCV*, 1, 2, 4, 5, 7, 8, 9.
- Ng, E.Y.-K. (2009) “A review of thermography as promising non-invasive detection modality for breast tumor”, *International Journal of Thermal Sciences*, Volume 48, Issue 5, Pages 849-859, ISSN 1290-0729.
- NVIDIA DIGITS, (2016) “NVIDIA Deep Learning GPU Training System”. URL: <https://developer.nvidia.com/digits>. Accessed on September 10th of 2016.
- Pinheiro, P. H. and Collobert, R. (2014) “Recurrent convolutional neural networks for scene labeling,” in *ICML*, 1, 2, 4, 7, 8
- Shelhamer, E., Long, J. and Darrell, T. (2016) “Fully Convolutional Networks for Semantic Segmentation”. URL: <https://arxiv.org/pdf/1605.06211.pdf>. Accessed on 15th of 2016.
- Shelhamer, E., Long, J. and Darrell, T. (2015) “Pre-trained weights of the FCN, Python Code and Caffe”, URL: <https://github.com/shelhamer/fcn.berkeleyvision.org>. Accessed on October 8th of 2016.
- Silva, L. F., Saade, D. C. M., Sequeiros, G. O., Silva, A. C., Paiva, A. C., Bravo, R. S., Conci, A. (2014) “A New Database for Breast Research with Infrared Image”, *Journal of Medical Imaging and Health Informatics*, v.4, p.92 - 100.
- Visual Lab, Database of infrared images and segmentations done by specialists. Ground Truth of 285 images. URL: <http://visual.ic.uff.br/proeng/software.php>. Accessed on October 26th of 2016.