DAFTAR PUSTAKA

Abràmoff, Michael D, Mona K Garvin and Milan Sonka. 2010. "Retinal Imaging and Image Analysis". *IEEE Reviews in Biomedical Engineering* 3: 169–208. <https://doi.org/10.1109/RBME.2010.2084567>.

Aguirre-Ramos, Hayde, Juan Gabriel Avina-Cervantes, Ivan Cruz-Aceves, Jose Ruiz-Pinales and Sergio Ledesma. 2018. "Blood Vessel Segmentation in Retinal Fundus *Images* Using Gabor Filters, Fractional Derivatives, and Expectation Maximization". *Applied Mathematics and Computation* 339: 568–587.

Biswas, Subrata, Md. Iqbal Aziz Khan, Md. Tanvir Hossain, Arunavo Biswas, Toshiharu Nakai and Johannes Rohdin. 2022. "Which Color Channel Is Better for Diagnosing Retinal Diseases Automatically in Color Fundus Photographs?" *Life* 12: 973. <https://doi.org/10.3390/life12070973>.

Dharmawan, Dhimas Arief, Di Li, Boon Poh Ng and Susanto Rahardja. 2019. "A New Hybrid Algorithm for Retinal Vessels Segmentation on Fundus *Images*". *IEEE Access* 7: 41885–41896. <https://doi.org/10.1109/ACCESS.2019.2906344>.

Dharmawan, Dhimas Arief and Boon Poh Ng. 2017. "A New Two-Dimensional Matched Filter Based on the Modified Chebyshev Type I Function for Retinal Vessels Detection". In: . *2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. 369–372. <https://doi.org/10.1109/EMBC.2017.8036839>.

Dharmawan, Dhimas Arief and Boon Poh Ng. 2020. "A Flexible Model for Edge Representation in Digital Imagery". *Signal Processing* 177: 107723. <https://doi.org/10.1016/j.sigpro.2020.107723>.

Dharmawan, Dhimas Arief, Boon Poh Ng and Narong Borijindargoon. 2019. "Design of Optimal Adaptive Filters for Two-Dimensional Filamentary Structures Segmentation". *IEEE Signal Processing Letters* 26: 1511–1515. <https://doi.org/10.1109/LSP.2019.2938631>.

Dharmawan, Dhimas Arief, Boon Poh Ng and Susanto Rahardja. 2018. "A Modified Dolph-Chebyshev Type II Function Matched Filter for Retinal Vessels Segmentation". *Symmetry* 10: 257. <https://doi.org/10.3390/sym10070257>.

Frangi, Alejandro F, Wiro J Niessen, Koen L Vincken and Max A Viergever. 1998. "Multiscale Vessel Enhancement Filtering". In: . *Medical Image Computing and Computer-Assisted Intervention – MICCAI'98*. Lecture Notes in Computer Science. Springer, Berlin, Heidelberg. 1496: 130–137. <https://doi.org/10.1007/BFb0056195>.

Franklin, S W and S E Rajan. 2014. "Retinal Vessel Segmentation Employing ANN Technique by Gabor and Moment Invariants-Based Features". *Applied Soft Computing* 22: 94–100.

Fraz, Muhammad Moazam, Paolo Remagnino, Andreas Hoppe, Bunyarit Uyyanonvara, Alicja R Rudnicka, Christopher G Owen and Sarah A Barman. 2012. "Blood Vessel Segmentation Methodologies in Retinal *Images* – A Survey". *Computer Methods and Programs in Biomedicine* 108: 407–433.

<https://doi.org/10.1016/j.cmpb.2012.03.009>.

Garcea, Fabio, Alessio Serra, Fabrizio Lamberti and Lia Morra. 2023. "Data Augmentation for Medical Imaging: A Systematic Literature Review". *Computers in Biology and Medicine* 152: 106391. <https://doi.org/10.1016/j.compbiomed.2022.106391>.

Gegúndez-Arias, Manuel E, Arturo Aquino, José Manuel Bravo and Diego Marín. 2012. "A Function for Quality Evaluation of Retinal Vessel Segmentations". *IEEE Transactions on Medical Imaging* 31: 231–239.

Gonzalez, Rafael C and Richard E Woods. 2008. *Digital Image Processing*. 3rd ed. Pearson Prentice Hall.

Hu, Jingfei, Hua Wang, Shengbo Gao, Mingkun Bao, Tao Liu, Yaxing Wang and Jicong Zhang. 2019. "S-UNet: A Bridge-Style U-Net Framework with a Saliency Mechanism for Retinal Vessel Segmentation". *IEEE Access* 7: 174167–174177. <https://doi.org/10.1109/ACCESS.2019.2940476>.

Ioffe, Sergey and Christian Szegedy. 2015. "Batch Normalization: Accelerating Deep Network *Training* by Reducing Internal Covariate Shift". In: . *Proceedings of the 32nd International Conference on Machine Learning (ICML)*. Proceedings of Machine Learning Research. 37: 448–456. <https://proceedings.mlr.press/v37/ioffe15.html>.

Jin, Qiangguo, Zhaopeng Meng, Tuan D Pham, Qi Chen, Leyi Wei and Ran Su. 2019. "DUNet: A Deformable Network for Retinal Vessel Segmentation". *Knowledge-Based Systems* 178: 149–162. <https://doi.org/10.1016/j.knosys.2019.04.025>.

Kolb, Helga. 2012. "Simple Anatomy of the Retina". In: Helga Kolb, Eduardo Fernandez, and Bryan Jones (eds.). *Webvision: The Organization of the Retina and Visual System*. University of Utah Health Sciences Center. <https://www.ncbi.nlm.nih.gov/books/NBK11533/>.

Li, Di, Dhimas Arief Dharmawan, Boon Poh Ng and Susanto Rahardja. 2019. "Residual U-Net for Retinal Vessel Segmentation". In: . *2019 IEEE International Conference on Image Processing (ICIP)*. 1425–1429. <https://doi.org/10.1109/ICIP.2019.8803101>.

Li, Liangzhi, Manisha Verma, Yuta Nakashima, Hajime Nagahara and Ryo Kawasaki. 2020. "IterNet: Retinal Image Segmentation Utilizing Structural Redundancy in Vessel Networks". In: . *Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)*. 3645–3654.

Mahabadi, Navid and Yasir Al Khalili. 2020. "Neuroanatomy, Retina". In: . *StatPearls*. StatPearls Publishing.

Mikołajczyk, Agnieszka and Michał Grochowski. 2018. "Data Augmentation for Improving *Deep learning* in Image Classification Problem". In: . *2018 International Interdisciplinary PhD Workshop (IIPhDW)*. 117–122. <https://doi.org/10.1109/IIPHDW.2018.8388338>.

Nandy, Manobendra and Mausumi Banerjee. 2012. "Retinal Vessel Segmentation Using Gabor Filter and Artificial Neural Network". In: . *2012 Third International Conference on Emerging Applications of Information Technology (EAIT)*. 157–160. <https://doi.org/10.1109/EAIT.2012.6407885>.

Nguyen, Kim H, Bhupendra C Patel and Prasanna Tadi. 2023. "Anatomy, Head and Neck, Eye Retina". In: . *StatPearls*. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK542332/>.

Oliveira, Américo, Sérgio Pereira and Carlos A Silva. 2018. “Retinal Vessel Segmentation Based on Fully Convolutional Neural Networks”. *Expert Systems with Applications* 112: 229–242. <https://doi.org/10.1016/j.eswa.2018.06.034>.

Oliveira, Wendeson S, Joyce Vitor Teixeira, Tsang Ing Ren, George D C Cavalcanti and Jan Sijbers. 2016. “Unsupervised Retinal Vessel Segmentation Using Combined Filters”. *PLOS ONE* 11: e0149943. <https://doi.org/10.1371/journal.pone.0149943>.

Ronneberger, Olaf, Philipp Fischer and Thomas Brox. 2015. “U-Net: Convolutional Networks for Biomedical Image Segmentation”. In: . *Medical Image Computing and Computer-Assisted Intervention – MICCAI 2015*. Lecture Notes in Computer Science. Springer, Cham. 9351: 234–241. <https://doi.org/10.1007/978-3-319-24574-4_28>.

Soares, João V B, Jorge J G Leandro, Roberto M Cesar Jr., Herbert F Jelinek and Michael J Cree. 2006. “Retinal Vessel Segmentation Using the 2-D Gabor Wavelet and Supervised Classification”. *IEEE Transactions on Medical Imaging* 25: 1214–1222. <https://doi.org/10.1109/TMI.2006.879967>.

Staal, Joes, Michael D. Abràmoff, Meindert Niemeijer, Max A. Viergever and Bram Van Ginneken. 2004. “Ridge-Based Vessel Segmentation in Color *Images* of the Retina”. *IEEE Transactions on Medical Imaging* 23: 501–509. <https://doi.org/10.1109/TMI.2004.825627>.

Taha, Abdel Aziz and Allan Hanbury. 2015. “Metrics for Evaluating 3D Medical Image Segmentation: Analysis, Selection, and Tool”. *BMC Medical Imaging* 15: 29. <https://doi.org/10.1186/s12880-015-0068-x>.

Ueno, Yoshitaka, Takeshi Iwase, Kensuke Goto, Ryo Tomita, Eimei Ra, Kentaro Yamamoto and Hiroko Terasaki. 2021. “Association of Changes of Retinal Vessels Diameter with Ocular Blood Flow in Eyes with Diabetic Retinopathy”. *Scientific Reports* 11: 4653. <https://doi.org/10.1038/s41598-021-84067-2>.

Yang, Chongling, Yaorui Tang, Hong Peng and Xiaohui Luo. 2024. “RAGE-Net: Enhanced Retinal Vessel Segmentation U-Shaped Network Using Gabor Convolution”. *Digital Signal Processing* 153: 104643. <https://doi.org/10.1016/j.dsp.2024.104643>.

Zhang, Shujun, Carroll A B Webers and Tos T J M Berendschot. 2024. “Computational Single Fundus Image Restoration Techniques: A Review”. *Frontiers in Ophthalmology* 4: 1332197. <https://doi.org/10.3389/fopht.2024.1332197>.