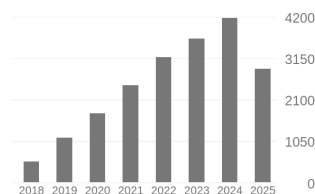


## Publications

### Summary of Scientific Impact

	All	Since 2020
# Publications	95	75
# Citations	20413	18223
h-index	37	36
i10-index	62	61



per Google Scholar, retrieved on September 20<sup>th</sup>, 2025.

## List of Publications

### Journal Articles

1. Dreyer M, Berend J, Labarta T, Vielhaben J, Wiegand T, **Lapuschkin S** and Samek W (2025).  
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8. Vielhaben J, **Lapuschkin S**, Montavon G and Samek W (2024).  
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29. Samek W, Binder A, Montavon G, **Lapuschkin S**, and Müller K-R (2017).  
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5. Joseph S, Suresh P, Hufe L, Stevinson E, Graham R, Vadi Y, Bzdok D, **Lapuschkin S**, Sharkey L and Richards A (2025).  
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11. Mekala R R, Pahde F, Baur S, Chandrashekar S, Diep M, Wenzel M A, Wisotzky E L, Yolcu G Ü, **Lapuschkin S**, Ma J, Eisert P, Lindvall M, Porter A and Samek W (2024). "Synthetic Generation of Dermatoscopic Images with GAN and Closed-Form Factorization". In: *ECCV 2024 Workshop on Synthetic Data for Computer Vision (SyntheticData4CV)* 15642:368–384. (Green Open Access)
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- “Understanding the (Extra-)Ordinary: Validating Deep Model Decisions with Prototypical Concept-based Explanations”.
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  29. Motzkus F, Weber L and **Lapuschkin S** (2022).  
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  32. Goh G S W, **Lapuschkin S**, Weber L, Samek W and Binder A (2021).  
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## Books

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Springer (Cham), Part I ISBN: 978-3-031-63787-2. Part II ISBN: 978-3-031-63797-1.  
Part III ISBN: 978-3-031-63800-8. Part IV ISBN: 978-3-031-63803-9

## Book Chapters

1. Becking D, Dreyer M, Samek W, Müller K and **Lapuschkin S** (2022).  
“ECQ<sup>x</sup>: Explainability-Driven Quantization for Low-Bit and Sparse DNNs”.  
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