

Isabelle Marthot-Santaniello, Manh Tu Vu, Olga Serbaeva & Marie Beurton-Aimar, Stylistic Similarities in Greek Papyri Based on Letter Shapes: A Deep Learning Approach.

Mickael Coustaty & Alicia Fornés (edd.), Document Analysis and Recognition - ICDAR 2023 Workshops. San José, CA, USA, August 24-26, 2023. Proceedings, Part I = Lecture Notes in Computer Science. 14193 (Cham, Suisse, 2023) pp. 307-323, figg.

1. Introduction. - 2. State of the art: 2.1. Papyrology and digital paleography; - 2.2. Deep learning state of the art. - 3. Description of the datasets: 3.1 The preliminary annotation work; - 3.2. The AlphEpMu dataset. - 4. The deep learning approach: 4.1. Similarity evaluation network; - 4.2. Dataset preprocessing and AlphEpMu* dataset; - 4.3. Cliplets similarity evaluating; - 4.4. Results. - 5. Stylistic similarities among manuscripts: 5.1 The AlphEpMu-72 Subset; - 5.2. General repartition; - 5.3. Interpretations within letter categories. - 6. Conclusion. - Appendix A. AlphEpMu* dataset. - Appendix B. AlphEpMu-72 dataset.

2023-0294