The following full text is a publisher's version.

For additional information about this publication click this link.
http://hdl.handle.net/2066/32597

Please be advised that this information was generated on 2018-03-17 and may be subject to change.
Human-Centered Content-Based Image Retrieval

Egon L. van den Broek, Eva M. van Rikxoort, Peter M. F. Kisters, Theo E. Schouten, and Louis G. Vuurpijl

HSI color space segmentation based on experimental data concerning human 11 color categories

Recall & Precision of 4 CBIR systems

Human color and texture categorization/classification

Image segmentation by agglomerative merging

Shape extraction by pixelwise classification

Parallel-sequential colorful texture analysis

• Optimal utilization of color information by human 11 color categories
• Color histogram and Color correlogram combined
• 94% correct classification
• 91% decrease in computational complexity

CBIR Benchmark

More information?
Egon L. van den Broek
egan@few.vu.nl
e.vandenbroek@nici.ru.nl
http://www.few.vu.nl/~egon/

* This research is carried out within the NWO ToKeN research line Eidetic (nr. 634.000.001).