



Universiteit
Leiden
The Netherlands

The Matter of Chinese Painting, Case studies of 8th century murals

Valen, L.M. van

Citation

Valen, L. M. van. (2005, November 17). *The Matter of Chinese Painting, Case studies of 8th century murals*. Retrieved from <https://hdl.handle.net/1887/3730>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3730>

Note: To cite this publication please use the final published version (if applicable).

Acknowledgements	V
Table of Contents	VII
Introduction	I
<i>Searching for its real substance</i>	I
<i>Questions on material aspects</i>	2
<i>The Location of the Paintings</i>	2
<i>Classical Chinese sources on the matter of painting</i>	3
<i>Secondary Western sources on the matter of Chinese painting</i>	5
<i>The use of original samples</i>	7
<i>The need for information</i>	7
 Chapter I	
The Present Location of the Tang-murals	9
The artworks in the Museum	12
Walking perspective	12
The re-assembly of the wall paintings	15
New contexts and the original structure of the tombs	20
1. <i>The Yide tomb</i>	20
2. <i>The Zhanghuai Tomb</i>	30
3. <i>The Yongtai tomb</i>	33
4. <i>Tombs of the Wei family</i>	37
5. <i>The Li Shou tomb</i>	39
 Chapter 2	
From Xie He to Shen Gua	45
Xie He, <i>Criticism on Painters</i> , 490 CE	45
A 6th century sequel by Yao Cui (500 – 552?)	58
Xiao Yi, <i>The secret of painting</i> .	59
Zhang Yanyuan, <i>Famous Painters of all Dynasties</i> , 847 CE	61
Shen Gua and his <i>Brush notes from the Dreamstream</i>	66
 Chapter 3	
The composition of paint	71
Mineral paint	71
Cinnabar, <i>dan</i> , 丹	73
Red Earth, <i>Haematite</i> , <i>chitu</i> , 赤土	78
Red Lead, <i>qian</i> , 铅	79
Malachite, <i>kongqueshi</i> , 孔雀石	80
Azurite, <i>qing</i> , 青	83
Auripigment, mineral yellow, <i>shihuang</i> , 石黄	88
Realgar, <i>xionghuang</i> , 雄黄	88
Orpiment, <i>cihuang</i> , 雌黄	89
Graphite, <i>heise</i> , 黑色 and Coal, <i>mei</i> , 煤	93
<i>Whitewashing of walls</i> .	93
Clam white, <i>Gefen</i> or <i>Hafen</i> , 蛤粉	95

Mica, <i>Yunmu</i> , 云母	99
Vegetable Dyes and other organic materials	102
Safflower, <i>honglanhua</i> , 红蓝花	103
Indigo, <i>lan</i> , 蓝, <i>huaqing</i> , 花青	106
Earth Yellow, <i>Dihuang</i> , 地黄	112
Flower Yellow, <i>Huai</i> , 槐花	115
Glue and Mordant	116
Shellac, <i>Zikuang</i> , 紫矿	
122	
Zigeng, 紫更	
The fabrication of brushes and ink	124
Ink, <i>mo</i> , 墨, <i>moshui</i> , 墨水	124
Oil, <i>Nafta</i> , <i>Shiyou</i> , 石油	125
 Chapter 4	
The technique of the murals	127
The Samples	127
<i>The technique of painting and the structure of the ground-layers</i>	131
<i>'Fresco', the Italian method</i>	131
<i>The Chinese method</i>	132
Layers for testing	133
<i>Microscopy, PLM, SEM-EDX, XRD, HPLC</i>	135
 Chapter 5	
The Sample Analysis	151
Sample ZQXI	158
<i>The results of my Chemical analysis</i>	164
Overview of the results of the samples	166
<i>SEM-EDX Spectra</i>	168
SEM-EDX and XRD results	177
The Mineral and Organic content of layers	178
Modern reference materials	180
Concluding Observations	183
List of Photographs	187
List of Figures and Maps	190
Selected Bibliography	191
Index	206
Samenvatting	214
Curriculum Vitae	217