

## **White, Friend or Foe?**

### **Understanding and predicting photocatalytic degradation of modern oil paintings**

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## Errata

Green=should be added

Red=should be removed

Page	Error
10	Final paragraph, first bullet point: "indication for <b>the</b> presence"
11	"The detection of early..." should be a separate bullet point + space is missing between 'the' and 'detection'
19	Second paragraph: there is too much space between 'measures' and the dot indicating the end of the sentence.
21	Third paragraph, second line: 'will' should be 'were'.
22	Final list of bullet point, first bullet point: "and <b>the</b> parts <b>of</b> the conclusions"
32	Figure 5 1935 -> remove '+', 'ide' = 'idea' 2014 -> 'TiO <sub>2</sub> ', 2 should be in subscript
36	Scheme 1 '[O <sub>2</sub> ]' and '[H <sub>2</sub> O]' -> the '2's should be in subscript
37	First paragraph: "Distance to <b>the</b> window"
39	"The degradation phenomena.....what to look for or both" should be the 4 <sup>th</sup> bullet point rather than a separate sentence.
45	First paragraph: "In the other hand" => "On the other hand".
46	'(TiO <sub>2</sub> Calcination)' should not be preceded by a bullet point.
49	<ul style="list-style-type: none"><li>o Note 20: <b>R</b>CdS</li><li>o C.2.5: "The electronic properties of crystals <b>and</b> thus <b>its</b> <b>their</b> photocalytic activity."</li><li>o 'Differentiation' = 'differentiation'</li></ul>
55	"Carriers <b>of</b> radicals"
56	Final paragraph: "surface and <b>the</b> its degradation"
63	<ul style="list-style-type: none"><li>o First paragraph: "Based <b>on</b> the results"</li><li>o Final paragraph: "For <b>an</b> object with a low potential risk"</li></ul>
88	Table 1.1 caption: "*Indicates the paintings that were <b>only</b> analyzed with <b>pXRF</b> <b>and</b> XRD or STEM-EDX"
90	First paragraph: 'groud' = 'ground'
92	...peak area, <del>for selected subset analyses.</del>
95	<ul style="list-style-type: none"><li>o 'TEM-EDX' = 'STEM-EDX'</li><li>o Figure 1.2 = wrong figure. In the correct figure all bars of each decade reach the same 'height' because they have a contribution from each painting. Here 3 paintings were not counted. This does not affect general trends.</li></ul>
102	Note 1.6 "manuscript in preparation" = "chapter 2"
113	Second paragraph: 'produce' = 'produced'
116	"blazed <b>at</b> 800 nm"
117	"( <del>red</del> <b>circle</b> <b>square</b> in the photograph)."
118	Final paragraph: "indication <del>of</del> <b>of</b> the production
120	Note 2.7: 'Rref', 'ref' should be subscript 2.3.2 "results <del>of</del> <b>of</b> the analysed"
122	Final paragraph: 'Rref', 'ref' should be subscript
123	Final line before figure 2.5: 'ms' (3x) should be 'μs'
125	<ul style="list-style-type: none"><li>o Mid page: 'O<sub>2</sub>', '2' should be in subscript.</li><li>o Final paragraph: 'Rref', 'ref' should be subscript</li></ul>
142	'(Scheme 3.1, process <del>1-2</del> )' '(Scheme 3.1, process <del>2</del> <b>1</b> and 3)'

146	<ul style="list-style-type: none"> <li>○ End of second paragraph: 'zmax', 'max' should be in subscript.</li> <li>○ Start 3<sup>rd</sup> paragraph 'Ka' = 'K<math>\alpha</math>'</li> </ul>
148	Figure 3.1 misses the legend.
152	Line above figure: 'R2' = '2' should be subscript
155	3.4.3: 'none-invasive' = non-invasive
157	Symbols should have been properly aligned.
167	Mid page 'et al' (2x) should be 'et al.'
172	'(CO <sub>2</sub> scissoring)', '2' should be in subscript.
173	'900 cm <sup>-1</sup> ', '1' should be in superscript.
174	'5.4 x 10 <sup>3</sup> J', '3' should be in superscript.
196	First paragraph: 'R2', '2' should be in superscript.
203	Second paragraph '1970s' = '1980s'
206	"Lack of fir test: <del>test</del> Test to check..." (Capitalize the first letter of the description)
215	Final paragraph 'It's' = 'Its'
217	Second paragraph 'inthe HART' = 'in the HART" (missing space)
227	Final paragraph: "Paint fragment <del>of</del> or cross-sections"
259	Second paragraph '{chapter 6}' should be before the dot.
266	Equation 1: 't=l' and 't=t' should be in subscript
269	Figure 7.4 caption 'is presented' = 'are presented'
285	G.1.3: "This study <del>shoes</del> shows agreement..."
285/	<ul style="list-style-type: none"> <li>○ 'One chapter about' (3x) – Missing bullets (3x)</li> </ul>
286	<ul style="list-style-type: none"> <li>○ First line 286: 'taken place' = 'taking place'</li> </ul>
287	G.2.1.1 'comparativel' = 'comparatively'
297	Table 1: '100@100', '50@50' and '500@150' on the right hand side need to be lowered one line (to be aligned with left hand side).
298	The bullet point for 'Transfer' should be aligned with 'accept' and 'mitigate' because it is a general strategy not a concrete action.
303	Final sentence "Every institution..." has a missing bullet point.
304	First sentence "Individuals..." has a missing bullet point.
307	First paragraph, last sentence: "change take place prior <del>to</del> demise or stabilization"
313	'Acid Orange 70' = 'Acid Orange 7'
315	'Atomic Force Microscopy coupld Infrared Spectroscopy' header should be moved to the next page, after the figure.
316	'Organic' and 'inorganic' headers should slightly jump in as they refer to types or 'coating or surface treatment'
317	ESR, 'B0', '0' should be in subscript.
320	<ul style="list-style-type: none"> <li>○ Figure should be placed before 'metal stearate' header</li> <li>○ Vpigment/Vtotal, 'pigment' and 'total' should be in subscript.</li> </ul>
321	Under STEM-EDX header 'couples' = 'coupled'
323	"The supplementary information <del>if</del> is available..."
325	<ul style="list-style-type: none"> <li>○ Mid page: 'TiO<sub>2</sub>', '2' needs to be in subscript</li> <li>○ 4<sup>th</sup> publication: author 'P.J. Kooyman' is missing.</li> </ul>
329	2 <sup>nd</sup> paragraph of the spoken text: "Through a <del>n</del> traditional..."
331	<ul style="list-style-type: none"> <li>○ First paragraph: 'degrading' = 'degrades'</li> <li>○ Last sentence: "remove <del>of</del> or limit exposure..."</li> </ul>