



## Highly stable perylenediimide based self-assembled monolayers studied by spectroelectrochemistry

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Résumé en anglais	<p>Perylenediimide (PDI) based self-assembled monolayers (SAMs) have been studied by quartz crystal microbalance, X-ray photoelectron spectroscopy, cyclic voltammetry and spectroelectrochemistry (SEC). The high stability of PDI based SAMs has allowed probing very low signals by absorption and emission SEC and extracting voltabsorptograms. The wavelengths of absorption maxima of PDI, anion radical and dianion species. In contrast, the magnitudes of the molar extinction coefficient of the reduced forms were not preserved in SAM. The quenching of PDI fluorescence was confirmed on gold substrate.</p>
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### Liens

- [1] <http://okina.univ-angers.fr/eric.levillain/publications>
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=18323](http://okina.univ-angers.fr/publications?f[author]=18323)
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=24508](http://okina.univ-angers.fr/publications?f[author]=24508)
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[6] <http://okina.univ-angers.fr/pietrick.hudhomme/publications>

[7] <http://okina.univ-angers.fr/publications/ua14501>

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