**Advanced voltametric characterization of polyphenols in wine using a modified carbon paste electrode with TiO2 nanoparticles**

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| --- | --- |
|  |  |
| (a) | (b) |
|  |  |
| (c) | (d) |
|  |  |
| (e) | (f) |

**Figure S1.** Anodic branch of the cyclic voltammograms recorded in undiluted and diluted (x2, x5, x7, x10) real wine samples: (a) VR; (b) ME; (c) CH; (d) TE; (e) GR and (f) RO on MCPE/np TiO2 electrode.

**Table S1.** pKa constants for GA, RE, QV, CT and CA.

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| **Poliphenol** | **pKa1** | **pKa2** | **pKa3** | **pKa4** | **pKa5** |
| **GA** | 4.26 | 8.69 | 11.45 |  |  |
| **RE** | 9.16 | 9.77 | 10.55 |  |  |
| **QV** | 7.17 | 8.26 | 10.13 |  |  |
| **CT** | 9.50 | 8.90 | 8.20-8.60 | 10.30-11.02 | 13.20-14.80 |
| **CA** | 4.80 | 8.60 |  |  |  |