

Electro-reduction of diazonium salts on gold: Why do we observe multi-peaks?

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Titre	Electro-reduction of diazonium salts on gold: Why do we observe multi-peaks?
Type de publication	Article de revue
Auteur	Benedetto, Alessandro [1], Balog, Mirela [2], Viel, Pascal [3], Le Derf, Franck [4], Sall�, Marc [5], Palacin, Serge [6]
Type	Article scientifique dans une revue � comit� de lecture
Ann�e	2008
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R�sum� en anglais	Multi-peaks have been observed when reducing diazonium salts by cyclic voltammetry (CV). In order to explain that behavior, we studied the electrochemical properties of a fluorinated diazonium salt that exhibits a strongly passivating behavior on various micro-crystalline gold electrodes. We propose here that each sub-peak observed in CV corresponds to the reduction of the compound on a distinct crystallographic site.
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Liens

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