



# Grafting of Quinones on Carbons as Active Electrode Materials in Electrochemical Capacitors

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Auteur	Brousse, Thierry [1], Cougnon, Charles [2], Bélanger, Daniel [3]
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Mots-clés	Diazonium [4], electrochemical capacitors [5], energy storage [6], Grafting [7], quinone [8]
Résumé en anglais	<p>The electrochemical performance of electrochemical capacitors can be improved with electroactive quinone molecules. Systems based on redox active electrolyte as well as physisorbed and chemically grafted molecules have been investigated. In all these cases, carbon materials were used as substrate and electrode material. This short review will mainly describe work related to these systems and materials from the authors' laboratories. Nonetheless, some important studies from other research groups will be discussed.</p>
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- [1] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=3185>
- [2] <http://okina.univ-angers.fr/c.cougnon/publications>
- [3] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=2758>
- [4] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=4967>
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- [6] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=22506>
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[9] <http://okina.univ-angers.fr/publications/ua17215>

[10] <http://dx.doi.org/10.21577/0103-5053.20180015>

[11] [http://jbc.sbcq.org.br/imagebank/pdf/2017-0505RV\\_IUPAC.pdf](http://jbc.sbcq.org.br/imagebank/pdf/2017-0505RV_IUPAC.pdf)

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