

Guillermina L Luque

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

843
citations

11
h-index

21
g-index

21
ext. papers

907
ext. citations

5.6
avg, IF

3.54
L-index

| # | Paper | IF | Citations |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Carbon nanotubes for electrochemical biosensing. <i>Talanta</i> , 2007 , 74, 291-307 | 6.2 | 455 |
| 18 | Glucose biosensors based on the immobilization of copper oxide and glucose oxidase within a carbon paste matrix. <i>Talanta</i> , 2005 , 66, 467-71 | 6.2 | 87 |
| 17 | Analytical applications of glassy carbon electrodes modified with multi-wall carbon nanotubes dispersed in polyethylenimine as detectors in flow systems. <i>Analytica Chimica Acta</i> , 2007 , 596, 183-94 | 6.6 | 60 |
| 16 | Electrochemical sensor for amino acids and albumin based on composites containing carbon nanotubes and copper microparticles. <i>Talanta</i> , 2007 , 71, 1282-7 | 6.2 | 46 |
| 15 | Characterization of carbon paste electrodes modified with manganese based perovskites-type oxides from the amperometric determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2009 , 142, 331-336 | 8.5 | 45 |
| 14 | Glucose Biosensor Based on the Use of a Carbon Nanotube Paste Electrode Modified with Metallic Particles. <i>Mikrochimica Acta</i> , 2006 , 152, 277-283 | 5.8 | 35 |
| 13 | Analytical applications of a carbon nanotubes composite modified with copper microparticles as detector in flow systems. <i>Analytica Chimica Acta</i> , 2006 , 577, 183-9 | 6.6 | 29 |
| 12 | Electrooxidation of DNA at glassy carbon electrodes modified with multiwall carbon nanotubes dispersed in polyethylenimine. <i>Electrochimica Acta</i> , 2011 , 56, 9121-9126 | 6.7 | 25 |
| 11 | Modeling of substitutionally modified graphene structures to prevent the shuttle mechanism in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2019 , 309, 402-414 | 6.7 | 15 |
| 10 | Lithium dual uptake anode materials: crystalline Fe ₃ O ₄ nanoparticles supported over graphite for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 258, 192-199 | 6.7 | 14 |
| 9 | First-Principles studies of silicon underpotential deposition on defective graphene and its relevance for lithium-ion battery materials. <i>Electrochimica Acta</i> , 2016 , 208, 92-101 | 6.7 | 11 |
| 8 | On the role of oxidized graphene interfaces in lithium sulfur batteries: Thermodynamic and kinetic aspects using density functional theory. <i>Applied Surface Science</i> , 2021 , 550, 149358 | 6.7 | 5 |
| 7 | A Mapping of the Physical and Electrochemical Properties of Composite Lithium-Ion Batteries Anodes Made from Graphite, Sn, and Si. <i>Batteries and Supercaps</i> , 2020 , 3, 1248-1256 | 5.6 | 4 |
| 6 | Asparagine quantification in cellular culture media using copper modified carbon nanotubes composite electrodes. <i>Sensors and Actuators B: Chemical</i> , 2011 , 158, 423-426 | 8.5 | 4 |
| 5 | Electrochemistry in One Dimension: Applications of Carbon Nanotubes. <i>Advances in Electrochemical Science and Engineering</i> , 2015 , 83-120 | | 3 |
| 4 | Improving the polysulfide barrier by efficient carbon nanofibers coating on separator/cathode for Li-S batteries. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2341-2351 | 2.6 | 2 |
| 3 | Impact of alginate and fluoroethylene carbonate on the electrochemical performance of SiO ₂ /nCoC anode for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 397-405 | 2.6 | 2 |

- 2 Role of the solvent in the activation of LiS as cathode material: a DFT study. *Journal of Physics Condensed Matter*, **2021**, 33, 1.8 1
- 1 Graphene in Lithium-Ion/Lithium-Sulfur Batteries **2019**, 399-449