

Guillermina L Luque

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3702491/guillermina-l-luque-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | 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 |
| 18 | Role of the solvent in the activation of LiS as cathode material: a DFT study. <i>Journal of Physics Condensed Matter</i> , 2021 , 33, | 1.8 | 1 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Graphene in Lithium-Ion/Lithium-Sulfur Batteries 2019 , 399-449 | | |
| 13 | Impact of alginate and fluoroethylene carbonate on the electrochemical performance of SiO ₂ /Sn/CoC anode for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 397-405 | 2.6 | 2 |
| 12 | 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 |
| 11 | 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 |
| 10 | Electrochemistry in One Dimension: Applications of Carbon Nanotubes. <i>Advances in Electrochemical Science and Engineering</i> , 2015 , 83-120 | | 3 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | Carbon nanotubes for electrochemical biosensing. <i>Talanta</i> , 2007 , 74, 291-307 | 6.2 | 455 |
| 3 | 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 |

| | | | |
|---|---|-----|----|
| 2 | 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 |
| 1 | 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 |