

# Ana Silvia Gonzalez Garcia

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

950  
citations

623574

14  
h-index

839398

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1138  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Valorisation of spent coffee grounds as CO <sub>2</sub> adsorbents for postcombustion capture applications. <i>Applied Energy</i> , 2012, 99, 272-279.   | 5.1 | 243       |
| 2  | Sustainable biomass-based carbon adsorbents for post-combustion CO <sub>2</sub> capture. <i>Chemical Engineering Journal</i> , 2013, 230, 456-465.   | 6.6 | 211       |
| 3  | Production of microporous biochars by single-step oxidation: Effect of activation conditions on CO <sub>2</sub> capture. <i>Applied Energy</i> , 2014, 114, 551-562.   | 5.1 | 181       |
| 4  | Green coffee based CO <sub>2</sub> adsorbent with high performance in postcombustion conditions. <i>Fuel</i> , 2015, 140, 633-648.   | 3.4 | 37        |
| 5  | Post-combustion CO <sub>2</sub> capture adsorbents from spent coffee grounds. <i>Energy Procedia</i> , 2013, 37, 134-141.  | 1.8 | 36        |
| 6  | Ni-Co Alloy and Multisegmented Ni/Co Nanowire Arrays Modulated in Composition: Structural Characterization and Magnetic Properties. <i>Crystals</i> , 2017, 7, 66.   | 1.0 | 36        |
| 7  | Influence of Water Vapor on CO <sub>2</sub> Adsorption Using a Biomass-Based Carbon. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 15488-15499.   | 1.8 | 31        |
| 8  | Diffusive transport through surface functionalized nanoporous alumina membranes by atomic layer deposition of metal oxides. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 52, 66-72.  | 2.9 | 25        |
| 9  | Water vapour adsorption by a coffee-based microporous carbon: effect on CO <sub>2</sub> capture. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1592-1600.  | 1.6 | 21        |
| 10 | Effect of Sharp Diameter Geometrical Modulation on the Magnetization Reversal of Bi-Segmented FeNi Nanowires. <i>Nanomaterials</i> , 2018, 8, 595.   | 1.9 | 21        |
| 11 | Stepwise magnetization reversal of geometrically tuned in diameter Ni and FeCo bi-segmented nanowire arrays. <i>Nano Research</i> , 2019, 12, 1547-1553.   | 5.8 | 20        |
| 12 | Template Assisted Deposition of Ferromagnetic Nanostructures: from Antidot Thin Films to Multisegmented Nanowires. <i>Acta Physica Polonica A</i> , 2017, 131, 822-827.  | 0.2 | 16        |
| 13 | Evaluation of Microporous Biochars Produced by Single-step Oxidation for Postcombustion CO <sub>2</sub> Capture under Humid Conditions. <i>Energy Procedia</i> , 2014, 63, 693-702.  | 1.8 | 15        |
| 14 | Influence of ALD Coating Layers on the Optical Properties of Nanoporous Alumina-Based Structures. <i>Coatings</i> , 2019, 9, 43.   | 1.2 | 15        |
| 15 | Influence of TiO <sub>2</sub> -Coating Layer on Nanoporous Alumina Membranes by ALD Technique. <i>Coatings</i> , 2018, 8, 60.  | 1.2 | 14        |
| 16 | Magnetization Reversal Process and Magnetostatic Interactions in Fe <sub>56</sub> Co <sub>44</sub> /SiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> Core/Shell Ferromagnetic Nanowires with Non-Magnetic Interlayer. <i>Nanomaterials</i> , 2021, 11, 2282. | 1.9 | 12        |
| 17 | Electrostatic Supercapacitors by Atomic Layer Deposition on Nanoporous Anodic Alumina Templates for Environmentally Sustainable Energy Storage. <i>Coatings</i> , 2018, 8, 403.  | 1.2 | 9         |
| 18 | Narrow Segment Driven Multistep Magnetization Reversal Process in Sharp Diameter Modulated Fe <sub>67</sub> Co <sub>33</sub> Nanowires. <i>Nanomaterials</i> , 2021, 11, 3077.   | 1.9 | 5         |

| #  | ARTICLE  | IF | CITATIONS |
|----|--|----|-----------|
| 19 | Electrochemical methods assisted with ALD for the synthesis of nanowires. , 2020, , 21-60. |    | 2         |