

# Magerusan Lidia

## List of Publications by Citations

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34  
papers

728  
citations

15  
h-index

26  
g-index

36  
ext. papers

894  
ext. citations

4.2  
avg, IF

4.19  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 34 | Simple and cost-effective synthesis of graphene by electrochemical exfoliation of graphite rods. <i>RSC Advances</i> , <b>2016</b> , 6, 2651-2661  | 3.7  | 86        |
| 33 | A brief overview on synthesis and applications of graphene and graphene-based nanomaterials. <i>Frontiers of Materials Science</i> , <b>2019</b> , 13, 23-32   | 2.5  | 83        |
| 32 | Graphene based nanomaterials as chemical sensors for hydrogen peroxide [A comparison study of their intrinsic peroxidase catalytic behavior. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 213, 474-483             | 8.5  | 77        |
| 31 | Azo dyes degradation using TiO <sub>2</sub> -Pt/graphene oxide and TiO <sub>2</sub> -Pt/reduced graphene oxide photocatalysts under UV and natural sunlight irradiation. <i>Solid State Sciences</i> , <b>2017</b> , 70, 13-20 | 3.4  | 57        |
| 30 | Photocatalytic performance of graphene/TiO <sub>2</sub> -Ag composites on amaranth dye degradation. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 179, 232-241  | 4.4  | 48        |
| 29 | Green methodology for the preparation of chitosan/graphene nanomaterial through electrochemical exfoliation and its applicability in Sunset Yellow detection. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 578-589          | 6.7  | 37        |
| 28 | Graphene-porphyrin composite synthesis through graphite exfoliation: The electrochemical sensing of catechol. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 256, 665-673  | 8.5  | 30        |
| 27 | Cerium Oxide Nanoparticles and Their Efficient Antibacterial Application against Gram-Positive and Gram-Negative Pathogens. <i>Nanomaterials</i> , <b>2020</b> , 10,   | 5.4  | 25        |
| 26 | Electrochemical platform based on nitrogen-doped graphene/chitosan nanocomposite for selective Pb detection. <i>Nanotechnology</i> , <b>2017</b> , 28, 114001  | 3.4  | 24        |
| 25 | Graphene-bimetallic nanoparticle composites with enhanced electro-catalytic detection of bisphenol A. <i>Nanotechnology</i> , <b>2016</b> , 27, 484001   | 3.4  | 22        |
| 24 | Graphene-based materials produced by graphite electrochemical exfoliation in acidic solutions: Application to Sunset Yellow voltammetric detection. <i>Microchemical Journal</i> , <b>2019</b> , 147, 112-120                  | 4.8  | 21        |
| 23 | Graphene oxide vs. reduced graphene oxide as carbon support in porphyrin peroxidase biomimetic nanomaterials. <i>Talanta</i> , <b>2016</b> , 148, 511-7  | 6.2  | 21        |
| 22 | Exfoliation of graphite rods via pulses of current for graphene synthesis: Sensitive detection of 8-hydroxy-2Xdeoxyguanosine. <i>Talanta</i> , <b>2019</b> , 196, 182-190  | 6.2  | 20        |
| 21 | Diazo transfer at polydopamine [a new way to functionalization. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 6593-6599  | 4.9  | 17        |
| 20 | Cytotoxicity mechanisms of nitrogen-doped graphene obtained by electrochemical exfoliation of graphite rods, on human endothelial and colon cancer cells. <i>Carbon</i> , <b>2020</b> , 158, 267-281                           | 10.4 | 15        |
| 19 | Molecular Enantio-recognition of D- and L-Glucose in Urine and Whole Blood Samples. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B3109-B3115   | 3.9  | 13        |
| 18 | Enantioanalysis of glutamine-a key factor in establishing the metabolomics process in gastric cancer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3199-3207   | 4.4  | 13        |

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|----|--|-----|----|
| 17 | Enhancement of peroxidase-like activity of N-doped graphene assembled with iron-tetrapyridylporphyrin. <i>RSC Advances</i> , <b>2016</b> , 6, 79497-79506  | 3.7 | 13 |
| 16 | Thermally reduced graphene oxide as green and easily available adsorbent for Sunset yellow decontamination. <i>Environmental Research</i> , <b>2020</b> , 182, 109047  | 7.9 | 12 |
| 15 | Sensitive detection of hydroquinone using exfoliated graphene-Au/glassy carbon modified electrode. <i>Nanotechnology</i> , <b>2018</b> , 29, 095501  | 3.4 | 11 |
| 14 | Graphene/TiO <sub>2</sub> -Ag Based Composites Used as Sensitive Electrode Materials for Amaranth Electrochemical Detection and Degradation. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B3054-B3059  | 3.9 | 10 |
| 13 | Cytotoxicity of methylcellulose-based films containing graphenes and curcumin on human lung fibroblasts. <i>Process Biochemistry</i> , <b>2017</b> , 52, 243-249   | 4.8 | 10 |
| 12 | X-ray photoelectron spectroscopy and magnetism of Mn <sub>1-x</sub> Al <sub>x</sub> Ni alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 3415-3421   | 2.8 | 10 |
| 11 | Enantioanalysis of tryptophan in whole blood samples using stochastic sensors-A screening test for gastric cancer. <i>Chirality</i> , <b>2020</b> , 32, 215-222  | 2.1 | 10 |
| 10 | Charge transfer-resistance in nitrogen-doped/undoped graphene: Its influence on the electro-catalytic reduction of H <sub>2</sub> O <sub>2</sub> . <i>Electrochimica Acta</i> , <b>2016</b> , 220, 664-671   | 6.7 | 7  |
| 9  | Developing novel strategies for the functionalization of core-shell magnetic nanoparticles with folic acid derivatives. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 162, 131-139  | 4.4 | 7  |
| 8  | Magnetite nanoparticles coated with alkyne-containing polyacrylates for click chemistry. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1   | 2.3 | 7  |
| 7  | Magnetic cluster development in In <sub>1-x</sub> Mn <sub>x</sub> Sb semiconductor alloys. <i>Open Physics</i> , <b>2010</b> , 8,  | 1.3 | 7  |
| 6  | Diazonium salt-mediated synthesis of new amino, hydroxy, propargyl, and maleinimido-containing superparamagnetic Fe@C nanoparticles as platforms for linking bio-entities or organocatalytic moieties. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1 | 2.3 | 5  |
| 5  | X-ray photoelectron spectroscopy and magnetism of Mn <sub>1-x</sub> Al <sub>x</sub> alloys. <i>Open Physics</i> , <b>2008</b> , 6,   | 1.3 | 3  |
| 4  | One-step ligand exchange reaction as an efficient way for functionalization of magnetic nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1   | 2.3 | 2  |
| 3  | Hydrothermal Synthesis of Nitrogen, Boron Co-Doped Graphene with Enhanced Electro-Catalytic Activity for Cymoxanil Detection. <i>Sensors</i> , <b>2021</b> , 21,   | 3.8 | 2  |
| 2  | Spectroscopic Characterization of Dental Ceramics Composed of Yttrium-Stabilized Zirconium. <i>Analytical Letters</i> , <b>2018</b> , 51, 2544-2550  | 2.2 | 1  |
| 1  | MAGNETIC CLUSTERS DEVELOPMENT IN OXIDIZED CeNi <sub>5</sub> POWDER. <i>Modern Physics Letters B</i> , <b>2011</b> , 25, 11-20  | 1.6 | 1  |