Magerusan Lidia

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A brief overview on synthesis and applications of graphene and graphene-based nanomaterials. Frontiers of Materials Science, 2019, 13, 23-32. | 2.2 | 126 |
| 2 | Simple and cost-effective synthesis of graphene by electrochemical exfoliation of graphite rods. RSC Advances, 2016, 6, 2651-2661. | 3.6 | 114 |
| 3 | Graphene based nanomaterials as chemical sensors for hydrogen peroxide – A comparison study of their intrinsic peroxidase catalytic behavior. Sensors and Actuators B: Chemical, 2015, 213, 474-483. | 7.8 | 93 |
| 4 | Azo dyes degradation using TiO2-Pt/graphene oxide and TiO2-Pt/reduced graphene oxide photocatalysts under UV and natural sunlight irradiation. Solid State Sciences, 2017, 70, 13-20. | 3.2 | 79 |
| 5 | Cerium Oxide Nanoparticles and Their Efficient Antibacterial Application In Vitro against Gram-Positive and Gram-Negative Pathogens. Nanomaterials, 2020, 10, 1614. | 4.1 | 74 |
| 6 | Photocatalytic performance of graphene/TiO2-Ag composites on amaranth dye degradation. Materials Chemistry and Physics, 2016, 179, 232-241. | 4.0 | 64 |
| 7 | Green methodology for the preparation of chitosan/graphene nanomaterial through electrochemical exfoliation and its applicability in Sunset Yellow detection. Electrochimica Acta, 2018, 283, 578-589. | 5.2 | 62 |
| 8 | Graphene-porphyrin composite synthesis through graphite exfoliation: The electrochemical sensing of catechol. Sensors and Actuators B: Chemical, 2018, 256, 665-673. | 7.8 | 46 |
| 9 | Electrochemical platform based on nitrogen-doped graphene/chitosan nanocomposite for selective Pb ²⁺ detection. Nanotechnology, 2017, 28, 114001. | 2.6 | 33 |
| 10 | Graphene-based materials produced by graphite electrochemical exfoliation in acidic solutions: Application to Sunset Yellow voltammetric detection. Microchemical Journal, 2019, 147, 112-120. | 4.5 | 30 |
| 11 | Graphene–bimetallic nanoparticle composites with enhanced electro-catalytic detection of bisphenol A. Nanotechnology, 2016, 27, 484001. | 2.6 | 29 |
| 12 | Graphene oxide vs. reduced graphene oxide as carbon support in porphyrin peroxidase biomimetic nanomaterials. Talanta, 2016, 148, 511-517. | 5.5 | 28 |
| 13 | Cytotoxicity mechanisms of nitrogen-doped graphene obtained by electrochemical exfoliation of graphite rods, on human endothelial and colon cancer cells. Carbon, 2020, 158, 267-281. | 10.3 | 28 |
| 14 | Thermally reduced graphene oxide as green and easily available adsorbent for Sunset yellow decontamination. Environmental Research, 2020, 182, 109047. | 7.5 | 26 |
| 15 | Exfoliation of graphite rods via pulses of current for graphene synthesis: Sensitive detection of 8-hydroxy-2′-deoxyguanosine. Talanta, 2019, 196, 182-190. | 5.5 | 25 |
| 16 | Enantioanalysis of glutamine—a key factor in establishing the metabolomics process in gastric cancer. Analytical and Bioanalytical Chemistry, 2020, 412, 3199-3207. | 3.7 | 24 |
| 17 | Diazo transfer at polydopamine – a new way to functionalization. Polymer Chemistry, 2014, 5, 6593-6599. | 3.9 | 22 |
| 18 | Graphene/TiO ₂ -Ag Based Composites Used as Sensitive Electrode Materials for Amaranth Electrochemical Detection and Degradation. Journal of the Electrochemical Society, 2018, 165, B3054-B3059. | 2.9 | 17 |

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|----|---|-----|-----------|
| 19 | Molecular Enantiorecognition of D- and L-Glucose in Urine and Whole Blood Samples. Journal of the Electrochemical Society, 2019, 166, B3109-B3115. | 2.9 | 16 |
| 20 | Enantioanalysis of tryptophan in whole blood samples using stochastic sensors—A screening test for gastric cancer. Chirality, 2020, 32, 215-222. | 2.6 | 16 |
| 21 | Sensitive detection of hydroquinone using exfoliated graphene-Au/glassy carbon modified electrode. Nanotechnology, 2018, 29, 095501. | 2.6 | 14 |
| 22 | X-ray photoelectron spectroscopy and magnetism of Mn1â^²xAlxNi alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 3415-3421. | 2.3 | 13 |
| 23 | Enhancement of peroxidase-like activity of N-doped graphene assembled with iron-tetrapyridylporphyrin. RSC Advances, 2016, 6, 79497-79506. | 3.6 | 13 |
| 24 | Cytotoxicity of methylcellulose-based films containing graphenes and curcumin on human lung fibroblasts. Process Biochemistry, 2017, 52, 243-249. | 3.7 | 12 |
| 25 | Magnetite nanoparticles coated with alkyne-containing polyacrylates for click chemistry. Journal of Nanoparticle Research, 2013, 15, 1. | 1.9 | 9 |
| 26 | Charge transfer-resistance in nitrogen-doped/undoped graphene: Its influence on the electro-catalytic reduction of H 2 O 2. Electrochimica Acta, 2016, 220, 664-671. | 5.2 | 9 |
| 27 | Magnetic cluster developement in In1â^'x MnxSb semiconductor alloys. Open Physics, 2010, 8, 620-627. | 1.7 | 8 |
| 28 | Developing novel strategies for the functionalization of core–shell magnetic nanoparticles with folic acid derivatives. Materials Chemistry and Physics, 2015, 162, 131-139. | 4.0 | 8 |
| 29 | 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. Journal of Nanoparticle Research, 2015, 17, 1. | 1.9 | 8 |
| 30 | Hydrothermal Synthesis of Nitrogen, Boron Co-Doped Graphene with Enhanced Electro-Catalytic Activity for Cymoxanil Detection. Sensors, 2021, 21, 6630. | 3.8 | 7 |
| 31 | X-ray photoelectron spectroscopy and magnetism of Mn1â^'x Alx alloys. Open Physics, 2008, 6, . | 1.7 | 3 |
| 32 | One-step ligand exchange reaction as an efficient way for functionalization of magnetic nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 2 |
| 33 | Spectroscopic Characterization of Dental Ceramics Composed of Yttrium-Stabilized Zirconium. Analytical Letters, 2018, 51, 2544-2550. | 1.8 | 2 |
| 34 | MAGNETIC CLUSTERS DEVELOPMENT IN OXIDIZED CeNi ₅ POWDER. Modern Physics Letters B, 2011, 25, 11-20. | 1.9 | 1 |
| 35 | Synthesis and characterization of new magnetic polydopamine composites. AIP Conference Proceedings, 2013, , . | 0.4 | 1 |
| 36 | Functionalization of polydopamine coated magnetic nanoparticles with biological entities. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |