# Diego Fernando Coral Coral

List of Publications by Year
in descending order



| 23 | 684 | 516710 16 | 642732 23 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 1131 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of Nanoclustering and Dipolar Interactions in Heat Generation for Magnetic Hyperthermia. Langmuir, 2016, 32, 1201-1213. | 3.5 | 126 |
| 2 | Hybrid nanomaterials based on gum Arabic and magnetite for hyperthermia treatments. Materials Science and Engineering C, 2017, 74, 443-450. | 7.3 | 55 |
| 3 | 4D Multimodal Nanomedicines Made of Nonequilibrium Auâ€“Fe Alloy Nanoparticles. ACS Nano, 2020, 14, 12840-12853. | 14.6 | 53 |
| 4 | Effects of Nanostructure and Dipolar Interactions on Magnetohyperthermia in Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 12796-12809. | 3.1 | 49 |
| 5 | Magnetite nanoparticles coated with citric acid are not phytotoxic and stimulate soybean and alfalfa growth. Ecotoxicology and Environmental Safety, 2021, 211, 111942. | 6.0 | 41 |
| 6 | Different approaches to analyze the dipolar interaction effects on diluted and concentrated granular superparamagnetic systems. Journal of Magnetism and Magnetic Materials, 2017, 428, 105-118. | 2.3 | 38 |
| 7 | Nanoclusters of crystallographically aligned nanoparticles for magnetic thermotherapy: aqueous ferrofluid, agarose phantoms and ex vivo melanoma tumour assessment. Nanoscale, 2018, 10, 21262-21274. | 5.6 | 33 |
| 8 | Magnetically Assembled SERS Substrates Composed of Ironâ€“Silver Nanoparticles Obtained by Laser Ablation in Liquid. ChemPhysChem, 2017, 18, 1026-1034. | 2.1 | 31 |
| 9 | Optical and Magnetic Properties of Fe Nanoparticles Fabricated by Femtosecond Laser Ablation in Organic and Inorganic Solvents. ChemPhysChem, 2017, 18, 1192-1209. | 2.1 | 30 |
| 10 | Facile synthesis by laser ablation in liquid of nonequilibrium cobalt-silver nanoparticles with magnetic and plasmonic properties. Journal of Colloid and Interface Science, 2021, 585, 267-275. | 9.4 | 29 |
| 11 | Thermo-alkaline treatment. A process that changes the thermal properties of corn starch. Procedia Food Science, 2011, 1, 370-378. | 0.6 | 28 |
| 12 | Ag nanoparticles formed by femtosecond pulse laser ablation in water: self-assembled fractal structures. Journal of Nanoparticle Research, 2015, 17, 1. | 1.9 | 25 |
| 13 | Sciatic nerve regeneration after traumatic injury using magnetic targeted adipose-derived mesenchymal stem cells. Acta Biomaterialia, 2021, 130, 234-247. | 8.3 | 24 |
| 14 | Determination of the gelatinization temperature of starch presented in maize flours. Journal of Physics: Conference Series, 2009, 167, 012057. | 0.4 | 23 |
| 15 | Self organization in oleic acid-coated CoFe2O4 colloids: a SAXS study. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 23 |
| 16 | Quasi-static magnetic measurements to predict specific absorption rates in magnetic fluid hyperthermia experiments. Journal of Applied Physics, 2014, 115, . | 2.5 | 22 |
| 17 | Selective contrast agents with potential to the earlier detection of tumors: Insights on synthetic pathways, physicochemical properties and performance in MRI assays. Colloids and Surfaces B: Biointerfaces, 2018, 170, 470-478. | 5.0 | 16 |
| 18 | Physicochemical characterization of traditional and commercial instant corn flours prepared with threshed white corn. CYTA - Journal of Food, 2012, 10, 287-295. | 1.9 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Anticipating hyperthermic efficiency of magnetic colloids using a semi-empirical model: a tool to help medical decisions. Physical Chemistry Chemical Physics, 2017, 19, 7176-7187. | 2.8 | 12 |
| 20 | Una GuÃa para el estudio de nanopartÃculas magnÃ©ticas de Ã³xidos de hierro con aplicaciones biomÃ©dicas. Parte II. IngenierÃa Y Ciencia, 2017, 13, 207-232. | 0.3 | 5 |
| 21 | Synthesis of highly stable Fe/FeOx@citrate colloids with strong magnetic response by mechanochemistry and coprecipitation for biomedical and environmental applications. Journal of Magnetism and Magnetic Materials, 2020, 508, 166759. | 2.3 | 4 |
| 22 | Small-angle X-ray scattering to quantify the incorporation and analyze the disposition of magnetic nanoparticles inside cells. Journal of Colloid and Interface Science, 2022, 608, 1-12. | 9.4 | 3 |
| 23 | Una guÃa para el estudio de nanopartÃculas magnÃ©ticas de Ã³xidos de hierro conaplicaciones biomÃ©dicas. Parte I. IngenierÃa Y Ciencia, 2017, 13, 229-249. | 0.3 | 2 |