# Cecilia Granados-Miralles

List of Publications by Year
in descending order

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| 29 | 655 | 623734 | 580821 |
|---|---|---|---|
| papers | citations | 14 h-index | 25 g-index |

| 29 | 29 | 29 | 691 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of organic solvent on the cold sintering processing of SrFe12O19 platelet-based permanent magnets. Journal of the European Ceramic Society, 2022, 42, 1014-1022. | 5.7 | 7 |
| 2 | Dense strontium hexaferrite-based permanent magnet composites assisted by cold sintering process. Journal of Alloys and Compounds, 2022, 917, 165531. | 5.5 | 14 |
| 3 | Improvement of the magnetic properties of SrFe12O19 ceramics by tailored sintering with SiO2 addition. Journal of Alloys and Compounds, 2021, 860, 157890. | 5.5 | 15 |
| 4 | On the potential of hard ferrite ceramics for permanent magnet technologyâ€"a review on sintering strategies. Journal Physics D: Applied Physics, 2021, 54, 303001. | 2.8 | 35 |
| 5 | Hexaferrite-based permanent magnets with upper magnetic properties by cold sintering process via a non-aqueous solvent. Acta Materialia, 2021, 219, 117262. | 7.9 | 22 |
| 6 | Greener processing of SrFe12O19 ceramic permanent magnets by two-step sintering. Ceramics International, 2021, 47, 31765-31771. | 4.8 | 10 |
| 7 | Boosting the coercivity of SrFe<sub>12</sub>O<sub>19</sub> nanocrystalline powders obtained using the citrate combustion synthesis method. Journal Physics D: Applied Physics, 2021, 54, 014002. | 2.8 | 7 |
| 8 | Uncorrelated magnetic domains in decoupled SrFe<sub>12</sub>O<sub>19</sub>/Co hard/soft bilayers. Journal Physics D: Applied Physics, 2021, 54, 054003. | 2.8 | 3 |
| 9 | Pt-free CoAl2O4 catalyst for soot combustion with NOx/O2. Applied Catalysis A: General, 2020, 591, 117404. | 4.3 | 13 |
| 10 | Ultrafast Particle Size Reduction of Fe73.9Si15.5Cu1Nb3B6.6 by High-Energy Milling: Nb2O5 as a Marker of Permeability Enhancement and Magnetic Hardening. ACS Applied Electronic Materials, 2020, 2, 1484-1496. | 4.3 | 6 |
| 11 | FeCo Nanowireâ€"Strontium Ferrite Powder Composites for Permanent Magnets with High-Energy Products. ACS Applied Nano Materials, 2020, 3, 9842-9851. | 5.0 | 14 |
| 12 | Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. Materials Chemistry Frontiers, 2020, 4, 1222-1230. | 5.9 | 11 |
| 13 | Influence of the growth conditions on the magnetism of SrFe<sub>12</sub>O<sub>19</sub> thin films and the behavior of Co/SrFe<sub>12</sub>O<sub>19</sub> bilayers. Journal Physics D: Applied Physics, 2020, 53, 344002. | 2.8 | 6 |
| 14 | Elucidating the relationship between nanoparticle morphology, nuclear/magnetic texture and magnetic performance of sintered SrFe<sub>12</sub>O<sub>19</sub> magnets. Nanoscale, 2020, 12, 9481-9494. | 5.6 | 20 |
| 15 | Exploring the direct synthesis of exchange-spring nanocomposites by reduction of CoFe2O4 spinel nanoparticles using in situ neutron diffraction. Nanoscale, 2020, 12, 9440-9451. | 5.6 | 6 |
| 16 | Tuning the NÃ©el temperature in an antiferromagnet: the case of NixCo1â^'xO microstructures. Scientific Reports, 2019, 9, 13584. | 3.3 | 15 |
| 17 | Enhanced intrinsic saturation magnetization of Zn<sub>x</sub>Co<sub>1â^'x</sub>Fe<sub>2</sub>O<sub>4</sub> nanocrystallites with metastable spinel inversion. Materials Chemistry Frontiers, 2019, 3, 668-679. | 5.9 | 29 |
| 18 | Nanoengineered High-Performance Hexaferrite Magnets by Morphology-Induced Alignment of Tailored Nanoplatelets. ACS Applied Nano Materials, 2018, 1, 6938-6949. | 5.0 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Exchange-spring behavior below the exchange length in hard-soft bilayers in multidomain configurations. Physical Review B, 2018, 98, . | 3.2 | 13 |
| 20 | Approaching Ferrite-Based Exchange-Coupled Nanocomposites as Permanent Magnets. ACS Applied Nano Materials, 2018, 1, 3693-3704. | 5.0 | 25 |
| 21 | Crystalline and magnetic structureâ€“property relationship in spinel ferrite nanoparticles. Nanoscale, 2018, 10, 14902-14914. | 5.6 | 106 |
| 22 | Enhancement of magnetic properties by spark plasma sintering of hydrothermally synthesised SrFe<sub>12</sub>O<sub>19</sub>. CrystEngComm, 2017, 19, 1400-1407. | 2.6 | 21 |
| 23 | Magnetism in CoFe<sub>2</sub>O<sub>4</sub>nanoparticles produced at sub- and near-supercritical conditions of water. CrystEngComm, 2017, 19, 3986-3996. | 2.6 | 14 |
| 24 | Energy Product Enhancement in Imperfectly Exchangeâ€Coupled Nanocomposite Magnets. Advanced Electronic Materials, 2016, 2, 1500365. | 5.1 | 47 |
| 25 | Ferriteâ€Based Exchangeâ€Coupled Hardâ€“Soft Magnets Fabricated by Spark Plasma Sintering. Journal of the American Ceramic Society, 2016, 99, 1927-1934. | 3.8 | 41 |
| 26 | Co on Fe3O4(001): Towards precise control of surface properties. Journal of Chemical Physics, 2016, 144, 094704. | 3.0 | 28 |
| 27 | Unraveling structural and magnetic information during growth of nanocrystalline SrFe<sub>12</sub>O<sub>19</sub>. Journal of Materials Chemistry C, 2016, 4, 10903-10913. | 5.5 | 30 |
| 28 | Tuning the size and magnetic properties of Zn<sub>x</sub>Co<sub>1â^'x</sub>Fe<sub>2</sub>O<sub>4</sub> nanocrystallites. Dalton Transactions, 2016, 45, 6439-6448. | 3.3 | 17 |
| 29 | Improved performance of SrFe<sub>12</sub>O<sub>19</sub>bulk magnets through bottom-up nanostructuring. Nanoscale, 2016, 8, 2857-2866. | 5.6 | 44 |