

Cecilia Granados-Miralles

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

655
citations

623734

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580821

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29
all docs

29
docs citations

29
times ranked

691
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Crystalline and magnetic structure–property relationship in spinel ferrite nanoparticles. <i>Nanoscale</i> , 2018, 10, 14902-14914. | 5.6 | 106 |
| 2 | Energy Product Enhancement in Imperfectly Exchange-Coupled Nanocomposite Magnets. <i>Advanced Electronic Materials</i> , 2016, 2, 1500365. | 5.1 | 47 |
| 3 | Improved performance of SrFe ₁₂ O ₁₉ bulk magnets through bottom-up nanostructuring. <i>Nanoscale</i> , 2016, 8, 2857-2866. | 5.6 | 44 |
| 4 | Ferrite-Based Exchange-Coupled Hard-Soft Magnets Fabricated by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1927-1934. | 3.8 | 41 |
| 5 | Nanoengineered High-Performance Hexaferrite Magnets by Morphology-Induced Alignment of Tailored Nanoplatelets. <i>ACS Applied Nano Materials</i> , 2018, 1, 6938-6949. | 5.0 | 36 |
| 6 | On the potential of hard ferrite ceramics for permanent magnet technology—a review on sintering strategies. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 303001. | 2.8 | 35 |
| 7 | Unraveling structural and magnetic information during growth of nanocrystalline SrFe ₁₂ O ₁₉ . <i>Journal of Materials Chemistry C</i> , 2016, 4, 10903-10913. | 5.5 | 30 |
| 8 | Enhanced intrinsic saturation magnetization of Zn _x Co _{1-x} Fe ₂ O ₄ nanocrystallites with metastable spinel inversion. <i>Materials Chemistry Frontiers</i> , 2019, 3, 668-679. | 5.9 | 29 |
| 9 | Co on Fe ₃ O ₄ (001): Towards precise control of surface properties. <i>Journal of Chemical Physics</i> , 2016, 144, 094704. | 3.0 | 28 |
| 10 | Approaching Ferrite-Based Exchange-Coupled Nanocomposites as Permanent Magnets. <i>ACS Applied Nano Materials</i> , 2018, 1, 3693-3704. | 5.0 | 25 |
| 11 | Hexaferrite-based permanent magnets with upper magnetic properties by cold sintering process via a non-aqueous solvent. <i>Acta Materialia</i> , 2021, 219, 117262. | 7.9 | 22 |
| 12 | Enhancement of magnetic properties by spark plasma sintering of hydrothermally synthesised SrFe ₁₂ O ₁₉ . <i>CrystEngComm</i> , 2017, 19, 1400-1407. | 2.6 | 21 |
| 13 | Elucidating the relationship between nanoparticle morphology, nuclear/magnetic texture and magnetic performance of sintered SrFe ₁₂ O ₁₉ magnets. <i>Nanoscale</i> , 2020, 12, 9481-9494. | 5.6 | 20 |
| 14 | Tuning the size and magnetic properties of Zn _x Co _{1-x} Fe ₂ O ₄ nanocrystallites. <i>Dalton Transactions</i> , 2016, 45, 6439-6448. | 3.3 | 17 |
| 15 | Tuning the Néel temperature in an antiferromagnet: the case of Ni _x Co _{1-x} O microstructures. <i>Scientific Reports</i> , 2019, 9, 13584. | 3.3 | 15 |
| 16 | Improvement of the magnetic properties of SrFe ₁₂ O ₁₉ ceramics by tailored sintering with SiO ₂ addition. <i>Journal of Alloys and Compounds</i> , 2021, 860, 157890. | 5.5 | 15 |
| 17 | Magnetism in CoFe ₂ O ₄ nanoparticles produced at sub- and near-supercritical conditions of water. <i>CrystEngComm</i> , 2017, 19, 3986-3996. | 2.6 | 14 |
| 18 | FeCo Nanowire–Strontium Ferrite Powder Composites for Permanent Magnets with High-Energy Products. <i>ACS Applied Nano Materials</i> , 2020, 3, 9842-9851. | 5.0 | 14 |

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|----|--|-----|-----------|
| 19 | Dense strontium hexaferrite-based permanent magnet composites assisted by cold sintering process. <i>Journal of Alloys and Compounds</i> , 2022, 917, 165531. | 5.5 | 14 |
| 20 | Exchange-spring behavior below the exchange length in hard-soft bilayers in multidomain configurations. <i>Physical Review B</i> , 2018, 98, . | 3.2 | 13 |
| 21 | Pt-free CoAl ₂ O ₄ catalyst for soot combustion with NO _x /O ₂ . <i>Applied Catalysis A: General</i> , 2020, 591, 117404. | 4.3 | 13 |
| 22 | Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1222-1230. | 5.9 | 11 |
| 23 | Greener processing of SrFe ₁₂ O ₁₉ ceramic permanent magnets by two-step sintering. <i>Ceramics International</i> , 2021, 47, 31765-31771. | 4.8 | 10 |
| 24 | Boosting the coercivity of SrFe ₁₂ O ₁₉ nanocrystalline powders obtained using the citrate combustion synthesis method. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 014002. | 2.8 | 7 |
| 25 | Effect of organic solvent on the cold sintering processing of SrFe ₁₂ O ₁₉ platelet-based permanent magnets. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1014-1022. | 5.7 | 7 |
| 26 | Ultrafast Particle Size Reduction of Fe _{73.9} Si _{15.5} Cu ₁ Nb ₃ B _{6.6} by High-Energy Milling: Nb ₂ O ₅ as a Marker of Permeability Enhancement and Magnetic Hardening. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1484-1496. | 4.3 | 6 |
| 27 | Influence of the growth conditions on the magnetism of SrFe ₁₂ O ₁₉ thin films and the behavior of Co/SrFe ₁₂ O ₁₉ bilayers. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 344002. | 2.8 | 6 |
| 28 | Exploring the direct synthesis of exchange-spring nanocomposites by reduction of CoFe ₂ O ₄ spinel nanoparticles using in situ neutron diffraction. <i>Nanoscale</i> , 2020, 12, 9440-9451. | 5.6 | 6 |
| 29 | Uncorrelated magnetic domains in decoupled SrFe ₁₂ O ₁₉ /Co hard/soft bilayers. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 054003. | 2.8 | 3 |