

Jefferson F D F AraÃ±jo

List of Publications by Year in descending order

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27
papers

517
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714
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Influence of order-disorder effects on the magnetic and optical properties of NiFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2018, 44, 17290-17297. | 4.8 | 81 |
| 2 | Magnetic Fe ₃ O ₄ nanoparticles coated by natural rubber latex as MRI contrast agent. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 458-464. | 2.3 | 80 |
| 3 | A Magnetostrictive Composite-Fiber Bragg Grating Sensor. <i>Sensors</i> , 2010, 10, 8119-8128. | 3.8 | 66 |
| 4 | Green Synthesis and Surface Modification of Iron Oxide Nanoparticles with Enhanced Magnetization Using Natural Rubber Latex. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13756-13765. | 6.7 | 55 |
| 5 | Evaluating the paleomagnetic potential of single zircon crystals using the Bishop Tuff. <i>Earth and Planetary Science Letters</i> , 2017, 458, 1-13. | 4.4 | 33 |
| 6 | Secondary magnetic inclusions in detrital zircons from the Jack Hills, Western Australia, and implications for the origin of the geodynamo. <i>Geology</i> , 2018, 46, 427-430. | 4.4 | 27 |
| 7 | Co-doped $\hat{\pm}$ -MoO ₃ hierarchical microrods: Synthesis, structure and phonon properties. <i>Ceramics International</i> , 2021, 47, 27778-27788. | 4.8 | 25 |
| 8 | A portable Hall magnetometer probe for characterization of magnetic iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 159-162. | 2.3 | 19 |
| 9 | Novel scanning magnetic microscopy method for the characterization of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 499, 166300. | 2.3 | 16 |
| 10 | Novel scanning dc-susceptometer for characterization of heat-resistant steels with different states of aging. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 442, 311-318. | 2.3 | 15 |
| 11 | Versatile magnetometer assembly for characterizing magnetic properties of nanoparticles. <i>Review of Scientific Instruments</i> , 2015, 86, 105103. | 1.3 | 14 |
| 12 | Alkali concentration effects on the composition, morphology and magnetic properties of magnetite, maghemite and iron oxyhydroxide nanoparticles. <i>Solid State Sciences</i> , 2020, 106, 106295. | 3.2 | 11 |
| 13 | Magnetic evaluation of the external surface in cast heat-resistant steel tubes with different aging states. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 346-352. | 2.3 | 10 |
| 14 | Magnetic Characterization by Scanning Microscopy of Functionalized Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2197. | 4.1 | 10 |
| 15 | Versatile Hall magnetometer with variable sensitivity assembly for characterization of the magnetic properties of nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165431. | 2.3 | 9 |
| 16 | Characterization of magnetic nanoparticles by a modular Hall magnetometer. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2806-2809. | 2.3 | 8 |
| 17 | Characterizing Complex Mineral Structures in Thin Sections of Geological Samples with a Scanning Hall Effect Microscope. <i>Sensors</i> , 2019, 19, 1636. | 3.8 | 8 |
| 18 | Scanning Magnetic Microscope Using a Gradiometric Configuration for Characterization of Rock Samples. <i>Materials</i> , 2019, 12, 4154. | 2.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----------|-----------|
| 19 | Dielectric-Loaded Waveguides as Advanced Platforms for Diagnostics and Application of Transparent Thin Films. Langmuir, 2021, 37, 3248-3260. | 3.5 | 6 |
| 20 | Assembling a magnetometer for measuring the magnetic properties of iron oxide microparticles in the classroom laboratory. American Journal of Physics, 2019, 87, 471-475. | 0.7 | 5 |
| 21 | Magnetic, structural and cation distribution studies on $\text{Fe}_{1-2x}\text{Nd}_x\text{O}_3$ ($x = 0.00, 0.02, 0.04, 0.06$) | 0.784314 | 4 |
| 22 | Detecting surface-breaking flaws with a Hall effect gradiometric sensor. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108808. | 5.0 | 3 |
| 23 | Magnetic mapping of hercynite produced by combustion synthesis. Microscopy and Microanalysis, 2021, 27, 3312-3314. | 0.4 | 2 |
| 24 | Growth of Fe_2O_3 thin films by plasma deposition: Studies of structural, morphological, electrochemical, and thermal-optical properties. Thin Solid Films, 2021, 736, 138919. | 1.8 | 2 |
| 25 | Synthesis and Characterization of Monodisperse Magnetic Nanoparticles by a Scanning Susceptometer. Microscopy and Microanalysis, 2020, 26, 2762-2764. | 0.4 | 1 |
| 26 | A Practical and Automated Hall Magnetometer for Characterization of Magnetic Materials. Modern Instrumentation, 2015, 04, 43-53. | 0.7 | 1 |
| 27 | Synthesis and Characterization of Iron Oxide Nanoparticles with Enhanced Magnetization Using Pluronic F-127. Microscopy and Microanalysis, 2020, 26, 2758-2760. | 0.4 | 0 |