

# Jefferson F D F AraÃ±jo

## List of Publications by Year in descending order

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papers

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840776

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642732

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docs citations

29  
times ranked

714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting surface-breaking flaws with a Hall effect gradiometric sensor. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108808.	5.0	3
2	Dielectric-Loaded Waveguides as Advanced Platforms for Diagnostics and Application of Transparent Thin Films. Langmuir, 2021, 37, 3248-3260.	3.5	6
3	Magnetic mapping of hercynite produced by combustion synthesis. Microscopy and Microanalysis, 2021, 27, 3312-3314.	0.4	2
4	Magnetic Characterization by Scanning Microscopy of Functionalized Iron Oxide Nanoparticles. Nanomaterials, 2021, 11, 2197.	4.1	10
5	Growth of $\text{Fe}_2\text{O}_3$ thin films by plasma deposition: Studies of structural, morphological, electrochemical, and thermal-optical properties. Thin Solid Films, 2021, 736, 138919.	1.8	2
6	Co-doped $\text{Fe}_2\text{MoO}_7$ hierarchical microrods: Synthesis, structure and phonon properties. Ceramics International, 2021, 47, 27778-27788.	4.8	25
7	Novel scanning magnetic microscopy method for the characterization of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 499, 166300.	2.3	16
8	Synthesis and Characterization of Iron Oxide Nanoparticles with Enhanced Magnetization Using Pluronic F-127. Microscopy and Microanalysis, 2020, 26, 2758-2760.	0.4	0
9	Synthesis and Characterization of Monodisperse Magnetic Nanoparticles by a Scanning Susceptometer. Microscopy and Microanalysis, 2020, 26, 2762-2764.	0.4	1
10	Alkali concentration effects on the composition, morphology and magnetic properties of magnetite, maghemite and iron oxyhydroxide nanoparticles. Solid State Sciences, 2020, 106, 106295.	3.2	11
11	Versatile Hall magnetometer with variable sensitivity assembly for characterization of the magnetic properties of nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 489, 165431.	2.3	9
12	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
13	Characterizing Complex Mineral Structures in Thin Sections of Geological Samples with a Scanning Hall Effect Microscope. Sensors, 2019, 19, 1636.	3.8	8
14	Scanning Magnetic Microscope Using a Gradiometric Configuration for Characterization of Rock Samples. Materials, 2019, 12, 4154.	2.9	7
15	Magnetic, structural and cation distribution studies on $\text{Fe}_x\text{O} \cdot \text{Fe}_{2-x}\text{Nd}_x\text{O}_3$ ( $x = 0.00, 0.02, 0.04, 0.06$ )	11.6	784314
16	Magnetic $\text{Fe}_3\text{O}_4$ nanoparticles coated by natural rubber latex as MRI contrast agent. Journal of Magnetism and Magnetic Materials, 2019, 475, 458-464.	2.3	80
17	Magnetic evaluation of the external surface in cast heat-resistant steel tubes with different aging states. Journal of Magnetism and Magnetic Materials, 2018, 456, 346-352.	2.3	10
18	Secondary magnetic inclusions in detrital zircons from the Jack Hills, Western Australia, and implications for the origin of the geodynamo. Geology, 2018, 46, 427-430.	4.4	27

#	ARTICLE	IF	CITATIONS
19	Green Synthesis and Surface Modification of Iron Oxide Nanoparticles with Enhanced Magnetization Using Natural Rubber Latex. ACS Sustainable Chemistry and Engineering, 2018, 6, 13756-13765.	6.7	55
20	Influence of order-disorder effects on the magnetic and optical properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. Ceramics International, 2018, 44, 17290-17297.	4.8	81
21	Evaluating the paleomagnetic potential of single zircon crystals using the Bishop Tuff. Earth and Planetary Science Letters, 2017, 458, 1-13.	4.4	33
22	Novel scanning dc-susceptometer for characterization of heat-resistant steels with different states of aging. Journal of Magnetism and Magnetic Materials, 2017, 442, 311-318.	2.3	15
23	A portable Hall magnetometer probe for characterization of magnetic iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 426, 159-162.	2.3	19
24	Versatile magnetometer assembly for characterizing magnetic properties of nanoparticles. Review of Scientific Instruments, 2015, 86, 105103.	1.3	14
25	A Practical and Automated Hall Magnetometer for Characterization of Magnetic Materials. Modern Instrumentation, 2015, 04, 43-53.	0.7	1
26	Characterization of magnetic nanoparticles by a modular Hall magnetometer. Journal of Magnetism and Magnetic Materials, 2010, 322, 2806-2809.	2.3	8
27	A Magnetostrictive Composite-Fiber Bragg Grating Sensor. Sensors, 2010, 10, 8119-8128.	3.8	66