Eva Natividad

List of Publications by Year
in descending order

44 papers	1,338 citations	361413 20 h-index	345221 36 g-index
44 all docs	44 docs citations	44 times ranked	1915 citing authors

#	Article	IF	Citations
1	Influence of dipolar interactions on hyperthermia properties of ferromagnetic particles. Journal of Applied Physics, 2010, 108, .	2.5	160
2	Accuracy of available methods for quantifying the heat power generation of nanoparticles for magnetic hyperthermia. International Journal of Hyperthermia, 2013, 29, 739-751.	2.5	132
3	Specific Absorption Rates and Magnetic Properties of Ferrofluids with Interaction Effects at Low Concentrations. Journal of Physical Chemistry C, 2010, 114, 4916-4922.	3.1	130
4	Adiabatic vs. non-adiabatic determination of specific absorption rate of ferrofluids. Journal of Magnetism and Magnetic Materials, 2009, 321, 1497-1500.	2.3	77
5	Nano-objects for Addressing the Control of Nanoparticle Arrangement and Performance in Magnetic Hyperthermia. ACS Nano, 2015, 9, 1408-1419.	14.6	75
6	A Porphyrin Spin Qubit and Its 2D Framework Nanosheets. Advanced Functional Materials, 2018, 28, 1801695.	14.9	72
7	Accurate measurement of the specific absorption rate using a suitable adiabatic magnetothermal setup. Applied Physics Letters, 2008, 92, .	3.3	66
8	New insights into the heating mechanisms and self-regulating abilities of manganite perovskite nanoparticles suitable for magnetic fluid hyperthermia. Nanoscale, 2012, 4, 3954.	5.6	64
9	Critical assessment of the nature and properties of Fe(<scp>ii</scp>) triazole-based spin-crossover nanoparticles. Journal of Materials Chemistry C, 2015, 3, 7916-7924.	5.5	43
10	Vanadyl spin qubit 2D arrays and their integration on superconducting resonators. Materials Horizons, 2020, 7, 885-897.	12.2	41
11	Adiabatic magnetothermia makes possible the study of the temperature dependence of the heat dissipated by magnetic nanoparticles under alternating magnetic fields. Applied Physics Letters, 2011, 98, .	3.3	39
12	Formation, Structure, and Morphology of Triazole-Based Langmuirâˆ'Blodgett Films. Langmuir, 2007, 23, 3110-3117.	3.5	36
13	Challenges and recommendations for magnetic hyperthermia characterization measurements. International Journal of Hyperthermia, 2021, 38, 447-460.	2.5	33
14	AC susceptibility as a tool to probe the dipolar interaction in magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 421, 138-151.	2.3	31
15	Chemical and morphological study of the sensitisation, activation and Cu electroless plating of Al2O3 polycrystalline substrate. Surface Science, 2004, 557, 129-143.	1.9	26
16	Heating ability of cobalt ferrite nanoparticles showing dynamic and interaction effects. RSC Advances, 2014, 4, 28968.	3.6	26
17	Akaganeite polymer nanocomposites. Polymer, 2009, 50, 1088-1094.	3.8	25
18	Correlation of normal and superconducting transport properties on textured Bi-2212 ceramic thin rods. Superconductor Science and Technology, 2002, 15, 1022-1029.	3.5	21

#	Article	IF	Citations
19	A spin crossover ferrous complex with ordered magnetic ferric anions. Chemical Communications, 2012, 48, 7604.	4.1	21
20	Design, fabrication and tests of a 600A HTc current lead for the LHC correction magnets. IEEE Transactions on Applied Superconductivity, 2001, 11, 2543-2546.	1.7	20
21	Modifying the Heat Transfer and Capillary Pressure of Loop Heat Pipe Wicks with Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 9312-9319.	3.1	19
22	Successful Application of Simplex Methods to the Optimization of Textured Superconducting Ceramics. Journal of the American Ceramic Society, 2004, 87, 1216-1221.	3.8	17
23	Thermoinduced magnetic moment in akaganÃ©ite nanoparticles. Physical Review B, 2011, 83, .	3.2	17
24	A Multifunctional Magnetic Material under Pressure. Chemistry - A European Journal, 2014, 20, 7956-7961.	3.3	15
25	Pursuit of optimal synthetic conditions for obtaining colloidal zero-valent iron nanoparticles by scanning pulsed laser ablation in liquids. Journal of Industrial and Engineering Chemistry, 2020, 81, 340-351.	5.8	15
26	Radial changes in the microstructure of LFZ-textured Bi-2212 thin rods induced by stoichiometry modifications. Physica C: Superconductivity and Its Applications, 2003, 383, 379-387.	1.2	13
27	Same magnetic nanoparticles, different heating behavior: Influence of the arrangement and dispersive medium. Journal of Magnetism and Magnetic Materials, 2015, 380, 341-346.	2.3	13
28	Growth of a dense gadolinium metalâ€“organic framework on oxide-free silicon for cryogenic local refrigeration. Materials Horizons, 2019, 6, 144-154.	12.2	12
29	Thermal conductance measurements of superconducting bi-2212 rods and a bi-2212-based current leadmodule. Journal of Thermal Analysis and Calorimetry, 2006, 84, 307-316.	3.6	11
30	Correlation of radial inhomogeneties and critical current at 77 K in LFZ Bi-2212 textured thin rods. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1051-1054.	1.2	10
31	Anisotropic self-assemblies of magnetic nanoparticles: experimental evidence of low-field deviation from the linear response theory and empirical model. Nanoscale, 2020, 12, 572-583.	5.6	9
32	A magnetocaloric composite based on molecular coolers and carbon nanotubes with enhanced thermal conductivity. Materials Horizons, 2017, 4, 464-476.	12.2	8
33	Multiple-length-scale small-angle X-ray scattering analysis on maghemite nanocomposites. Journal of Applied Crystallography, 2007, 40, s696-s700.	4.5	7
34	Solvothermal synthesis and characterization of ytterbium/iron mixed oxide nanoparticles with potential functionalities for applications as multiplatform contrast agent in medical image techniques. Ceramics International, 2022, 48, 31191-31202.	4.8	7
35	Inhomogeneous oxygen interchange during annealing and cooling of textured bulk Bi2Sr2CaCu2O8+Âsuperconductors. Superconductor Science and Technology, 2004, 17, 308-313.	3.5	5
36	Influence of the post-annealing cooling rate on the superconducting and mechanical properties of LFZ textured Bi-2212 rods. Superconductor Science and Technology, 2002, 15, 1512-1518.	3.5	4

#	Article	IF	Citations
37	Approximation to the laser floating zone preparation of high temperature BSCCO superconductors by DSC. Thermochimica Acta, 2004, 409, 157-164.	2.7	4
38	Electrodeposition of Silver Gold Alloys on ${m Bi}_{2}{m Sr}_{2}{m CaCu}_{2}{m O}_{8+delta}$ Ceramics. IEEE Transactions on Applied Superconductivity, 2007, 17, 3012-3015.	1.7	4
39	Effect of thermal cycling on the strength and superconducting properties of laser floating zone textured Bi-2212 rods. Physica C: Superconductivity and Its Applications, 2003, 384, 443-450.	1.2	3
40	Destructive and non-destructive determination of the transport current density radial distribution: Application to Bi-2212 textured rods. Physica C: Superconductivity and Its Applications, 2003, 385, 353-362.	1.2	2
41	Characterization of Magnetic Hyperthermia in Magnetic Nanoparticles. , 2017, , 261-303.		2
42	Coaxial configuration of Bi-2212 textured ceramics: a possibility for improved current leads. IEEE Transactions on Applied Superconductivity, 2001, 11, 2559-2562.	1.7	1
43	Enhancement of the 77 K critical currents on thin textured Bi-2212 rods by controlled distribution of secondary phases. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1055-1058.	1.2	1
44	Omitting the need of external heat capacity data in an adiabatic magnetothermal setup devoted to the characterization of nanomaterials for magnetic hyperthermia. Applied Thermal Engineering, 2017, 117, 409-416.	6.0	1