Lenaic Lartigue

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	3,318 citations	361413 20 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	5095 citing authors

#	Article	IF	Citations
1	Luminophore and Magnetic Multicore Nanoassemblies for Dual-Mode MRI and Fluorescence Imaging. Nanomaterials, 2020, 10, 28.	4.1	22
2	Coating Effect on the 1Hâ€"NMR Relaxation Properties of Iron Oxide Magnetic Nanoparticles. Nanomaterials, 2020, 10, 1660.	4.1	8
3	Low-temperature anomalies in muon spin relaxation of solid and hollowÎ³â˜'Fe2O3nanoparticles: A pathway to detect unusual local spin dynamics. Physical Review B, 2020, 102, .	3.2	4
4	Water Dispersible Carbohydrate-Coated Ferrite Nanoparticles. Effect of Cobalt Doping in Magneto-Thermal Properties. Journal of Nanoscience and Nanotechnology, 2019, 19, 5000-5007.	0.9	2
5	Phosphonic Acid Fluorescent Organic Nanoparticles for High-Contrast and Selective Staining of Gram-Positive Bacteria. ACS Omega, 2018, 3, 17392-17402.	3.5	8
6	Small Moleculeâ€Based Fluorescent Organic Nanoassemblies with Strong Hydrogen Bonding Networks for Fine Tuning and Monitoring Drug Delivery in Cancer Cells. Small, 2018, 14, e1802307.	10.0	31
7	Challenges and Opportunities in Transmission Electron Microscopy for Revealing the Fate of Inorganic Nanomaterials in Living Beings. Microscopy and Microanalysis, 2018, 24, 1694-1695.	0.4	0
8	PEGylated Anionic Magnetofluorescent Nanoassemblies: Impact of Their Interface Structure on Magnetic Resonance Imaging Contrast and Cellular Uptake. ACS Applied Materials & Interfaces, 2017, 9, 14242-14257.	8.0	13
9	Bioconjugated fluorescent organic nanoparticles targeting EGFR-overexpressing cancer cells. Nanoscale, 2017, 9, 18094-18106.	5.6	14
10	Strong Color Tuning of Selfâ€Assembled Azoâ€Derived Phosphonic Acids upon Hydrogen Bonding. ChemPhotoChem, 2017, 1, 6-11.	3.0	2
11	Zinc substituted ferrite nanoparticles with Zn0.9Fe2.1O4 formula used as heating agents for in vitro hyperthermia assay on glioma cells. Journal of Magnetism and Magnetic Materials, 2016, 416, 315-320.	2.3	59
12	Tuning the architectural integrity of high-performance magneto-fluorescent core-shell nanoassemblies in cancer cells. Journal of Colloid and Interface Science, 2016, 479, 139-149.	9.4	17
13	Biotransformations of magnetic nanoparticles in the body. Nano Today, 2016, 11, 280-284.	11.9	124
14	Thermosensitivity profile of malignant glioma U87-MG cells and human endothelial cells following Î³-Fe₂O₃NPs internalization and magnetic field application. RSC Advances, 2016, 6, 15415-15423.	3.6	23
15	The One Year Fate of Iron Oxide Coated Gold Nanoparticles in Mice. ACS Nano, 2015, 9, 7925-7939.	14.6	180
16	NMR investigation of functionalized magnetic nanoparticles Fe3O4 as T1â€"T2 contrast agents. Powder Technology, 2014, 255, 60-65.	4.2	22
17	Magnetic hyperthermia efficiency in the cellular environment forÂdifferent nanoparticle designs. Biomaterials, 2014, 35, 6400-6411.	11.4	341
18	Covalent Functionalization of Multiâ€walled Carbon Nanotubes with a Gadolinium Chelate for Efficient T₁â€Weighted Magnetic Resonance Imaging. Advanced Functional Materials, 2014, 24, 7173-7186.	14.9	31

#	Article	IF	Citations
19	Mastering the Shape and Composition of Dendronized Iron Oxide Nanoparticles To Tailor Magnetic Resonance Imaging and Hyperthermia. Chemistry of Materials, 2014, 26, 5252-5264.	6.7	105
20	Surface decoration of catanionic vesicles with superparamagnetic iron oxide nanoparticles: a model system for triggered release under moderate temperature conditions. Physical Chemistry Chemical Physics, 2014, 16, 4077.	2.8	13
21	Biodegradation Mechanisms of Iron Oxide Monocrystalline Nanoflowers and Tunable Shield Effect of Gold Coating. Small, 2014, 10, 3325-3337.	10.0	43
22	Heat-Generating Iron Oxide Nanocubes: Subtle â€œDestructuratorsâ€•of the Tumoral Microenvironment. ACS Nano, 2014, 8, 4268-4283.	14.6	200
23	Mannose-functionalized porous silica-coated magnetic nanoparticles for two-photon imaging or PDT of cancer cells. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	20
24	Managing Magnetic Nanoparticle Aggregation and Cellular Uptake: a Precondition for Efficient Stemâ€Cell Differentiation and MRI Tracking. Advanced Healthcare Materials, 2013, 2, 313-325.	7.6	73
25	Biodegradation of Iron Oxide Nanocubes: High-Resolution In Situ Monitoring. ACS Nano, 2013, 7, 3939-3952.	14.6	233
26	Iron carbide nanoparticles growth in room temperature ionic liquids [C n -MIM][BF4] (nÂ=Â12, 16). Journal of Nanoparticle Research, 2013, 15, 1.	1.9	7
27	NMR-D study of the local spin dynamics and magnetic anisotropy in different nearly monodispersed ferrite nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 066008.	1.8	13
28	Cooperative Organization in Iron Oxide Multi-Core Nanoparticles Potentiates Their Efficiency as Heating Mediators and MRI Contrast Agents. ACS Nano, 2012, 6, 10935-10949.	14.6	341
29	Controlled synthesis from alginate gels of cobaltâ€“manganese mixed oxide nanocrystals with peculiar magnetic properties. Catalysis Today, 2012, 189, 49-54.	4.4	16
30	Nanomagnetic Sensing of Blood Plasma Protein Interactions with Iron Oxide Nanoparticles: Impact on Macrophage Uptake. ACS Nano, 2012, 6, 2665-2678.	14.6	154
31	Iron Oxide Monocrystalline Nanoflowers for Highly Efficient Magnetic Hyperthermia. Journal of Physical Chemistry C, 2012, 116, 15702-15712.	3.1	240
32	Water-Soluble Iron Oxide Nanocubes with High Values of Specific Absorption Rate for Cancer Cell Hyperthermia Treatment. ACS Nano, 2012, 6, 3080-3091.	14.6	638
33	Superspin-glass behavior of Co3[Fe(CN)6]2 Prussian blue nanoparticles confined in mesoporous silica. Materials Chemistry and Physics, 2012, 132, 438-445.	4.0	26
34	Autocatalytic sonolysis of iron pentacarbonyl in room temperature ionic liquid [BuMeIm][Tf₂N]. Physical Chemistry Chemical Physics, 2011, 13, 2111-2113.	2.8	6
35	Water-Dispersible Sugar-Coated Iron Oxide Nanoparticles. An Evaluation of their Relaxometric and Magnetic Hyperthermia Properties. Journal of the American Chemical Society, 2011, 133, 10459-10472.	13.7	236
36	Water-Soluble Rhamnose-Coated Fe₃O₄ Nanoparticles. Organic Letters, 2009, 11, 2992-2995.	4.6	52