

Fernando Herranz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

994
citations

20
h-index

29
g-index

58
ext. papers

1,138
ext. citations

4.5
avg, IF

4.1
L-index

#	Paper	IF	Citations
55	Magnetic Mesoporous Silica Nanorods Loaded with Ceria and Functionalized with Fluorophores for Multimodal Imaging.. <i>ACS Applied Nano Materials</i> , 2022 , 5, 2113-2125	5.6	2
54	Delayed alveolar clearance of nanoparticles through control of coating composition and interaction with lung surfactant protein A.. <i>Materials Science and Engineering C</i> , 2021 , 112551	8.3	2
53	Digitonin concentration is determinant for mitochondrial supercomplexes analysis by BlueNative page. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2021 , 1862, 148332	4.6	1
52	Highly Efficient T2 Cobalt Ferrite Nanoparticles Vectorized for Internalization in Cancer Cells. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	1
51	Biodistribution of Ga-Radiolabeled Sphingolipid Nanoemulsions by PET and SPECT Imaging. <i>International Journal of Nanomedicine</i> , 2021 , 16, 5923-5935	7.3	2
50	HAP-Multitag, a PET and Positive MRI Contrast Nanotracer for the Longitudinal Characterization of Vascular Calcifications in Atherosclerosis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45279-45290	9.5	0
49	Smartphone-Based Colorimetric Method to Quantify Iron Concentration and to Determine the Nanoparticle Size from Suspensions of Magnetic Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 2000032	3.1	2
48	The influence of cation incorporation and leaching in the properties of Mn-doped nanoparticles for biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 510-521	9.3	9
47	Iron Oxide Nanoparticles: An Alternative for Positive Contrast in Magnetic Resonance Imaging. <i>Inorganics</i> , 2020 , 8, 28	2.9	25
46	Thrombo-tag, an formed nanotracer for the detection of thrombi in mice by fast pre-targeted molecular imaging. <i>Nanoscale</i> , 2020 , 12, 22978-22987	7.7	4
45	Quantitative assessment of myocardial blood flow and extracellular volume fraction using Ga-DOTA-PET: A feasibility and validation study in large animals. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 1249-1260	2.1	4
44	Microwave-Driven Synthesis of Iron-Oxide Nanoparticles for Molecular Imaging. <i>Molecules</i> , 2019 , 24,	4.8	21
43	Cu-Doped Extremely Small Iron Oxide Nanoparticles with Large Longitudinal Relaxivity: One-Pot Synthesis and in Vivo Targeted Molecular Imaging. <i>ACS Omega</i> , 2019 , 4, 2719-2727	3.9	23
42	Doped-Iron Oxide Nanocrystals Synthesized by One-Step Aqueous Route for Multi-Imaging Purposes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 7356-7365	3.8	6
41	Unambiguous detection of atherosclerosis using bioorthogonal nanomaterials. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 17, 26-35	6	12
40	Protein corona and phospholipase activity drive selective accumulation of nanomicelles in atherosclerotic plaques. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 643-650	6	8
39	Micellar Iron Oxide Nanoparticles Coated with Anti-Tumor Glycosides. <i>Nanomaterials</i> , 2018 , 8,	5.4	9

38	Molecular Imaging with ⁶⁸ Ga Radio-Nanomaterials: Shedding Light on Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1098	2.6	13
37	Synthesis of ⁶⁸ Ga Core-doped Iron Oxide Nanoparticles for Dual Positron Emission Tomography /(T1)Magnetic Resonance Imaging. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	2
36	Assessment of regional pulmonary blood flow using Ga-DOTA PET. <i>EJNMMI Research</i> , 2017 , 7, 7	3.6	6
35	Iron Oxide Nanoparticle-Based MRI Contrast Agents: Characterization and In Vivo Use 2017 , 85-120		2
34	In vivo imaging of lung inflammation with neutrophil-specific Ga nano-radiotracer. <i>Scientific Reports</i> , 2017 , 7, 13242	4.9	26
33	Family of Bioactive Heparin-Coated Iron Oxide Nanoparticles with Positive Contrast in Magnetic Resonance Imaging for Specific Biomedical Applications. <i>Biomacromolecules</i> , 2017 , 18, 3156-3167	6.9	25
32	One-Step Fast Synthesis of Nanoparticles for MRI: Coating Chemistry as the Key Variable Determining Positive or Negative Contrast. <i>Langmuir</i> , 2017 , 33, 10239-10247	4	34
31	Iron Oxide Nanoradiomaterials: Combining Nanoscale Properties with Radioisotopes for Enhanced Molecular Imaging. <i>Contrast Media and Molecular Imaging</i> , 2017 , 2017, 1549580	3.2	15
30	Recent advances in the preparation and application of multifunctional iron oxide and liposome-based nanosystems for multimodal diagnosis and therapy. <i>Interface Focus</i> , 2016 , 6, 20160055	3.9	21
29	Microwave-driven Synthesis of Iron Oxide Nanoparticles for Fast Detection of Atherosclerosis. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	1
28	Fast synthesis and bioconjugation of (⁶⁸) Ga core-doped extremely small iron oxide nanoparticles for PET/MR imaging. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 203-10	3.2	54
27	Versatile theranostics agents designed by coating ferrite nanoparticles with biocompatible polymers. <i>Nanotechnology</i> , 2016 , 27, 255702	3.4	31
26	Parallel multifunctionalization of nanoparticles: a one-step modular approach for in vivo imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 153-60	6.3	36
25	Microwave-driven synthesis of bisphosphonate nanoparticles allows in vivo visualisation of atherosclerotic plaque. <i>RSC Advances</i> , 2015 , 5, 1661-1665	3.7	14
24	Surface-Functionalized Nanoparticles by Olefin Metathesis: A Chemoselective Approach for In Vivo Characterization of Atherosclerosis Plaque. <i>Chemistry - A European Journal</i> , 2015 , 21, 10450-6	4.8	11
23	TEMRI Fluorescent Iron Oxide Nanoparticles by Microwave Assisted Synthesis. <i>Nanomaterials</i> , 2015 , 5, 1880-1890	5.4	17
22	Superparamagnetic Nanoparticles for Atherosclerosis Imaging. <i>Nanomaterials</i> , 2014 , 4, 408-438	5.4	18
21	Phosphatidylcholine-coated iron oxide nanomicelles for in vivo prolonged circulation time with an antibiofouling protein corona. <i>Chemistry - A European Journal</i> , 2014 , 20, 16662-71	4.8	22

20	Tuning photoinduced processes of covalently bound isoalloxazine and anthraquinone bichromophores. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 813-22	4.2	4
19	Short-chain PEG molecules strongly bound to magnetic nanoparticle for MRI long circulating agents. <i>Acta Biomaterialia</i> , 2013 , 9, 6421-30	10.8	70
18	Olefin metathesis for the functionalization of superparamagnetic nanoparticles. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2012 , 1, 166-172	1.3	8
17	Covalent functionalization of magnetic nanoparticles for biomedical imaging. <i>SPIE Newsroom</i> , 2012 ,		3
16	Superparamagnetic iron oxide nanoparticles conjugated to a grass pollen allergen and an optical probe. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 435-9	3.2	8
15	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6257-6264	3.8	72
14	The application of nanoparticles in gene therapy and magnetic resonance imaging. <i>Microscopy Research and Technique</i> , 2011 , 74, 577-91	2.8	28
13	Design, synthesis, photophysics, and anion-binding studies of bis(dicyclohexylphosphino)methane-containing dinuclear gold(I) thiolate complexes with urea receptors. <i>Chemistry - A European Journal</i> , 2010 , 16, 9123-31	4.8	46
12	Cooperativity between T cell receptor complexes revealed by conformational mutants of CD3epsilon. <i>Science Signaling</i> , 2009 , 2, ra43	8.8	73
11	A theoretical and experimental NMR study of (+)-biotin methyl ester. <i>Journal of Molecular Structure</i> , 2009 , 920, 323-326	3.4	15
10	VSDMIP: virtual screening data management on an integrated platform. <i>Journal of Computer-Aided Molecular Design</i> , 2009 , 23, 171-84	4.2	19
9	Intramolecular interactions and photoinduced electron transfer in isoalloxazine-naphthalene bichromophores. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 203, 166-176	4.7	6
8	Magnetic resonance methods and applications in pharmaceutical research. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 3637-65	3.9	15
7	A new method for the rapid synthesis of water stable superparamagnetic nanoparticles. <i>Chemistry - A European Journal</i> , 2008 , 14, 9126-30	4.8	30
6	A new method for the aqueous functionalization of superparamagnetic Fe ₂ O ₃ nanoparticles. <i>Contrast Media and Molecular Imaging</i> , 2008 , 3, 215-22	3.2	24
5	Molecular recognition: improved binding of biotin derivatives with synthetic receptors. <i>Journal of Organic Chemistry</i> , 2006 , 71, 2944-51	4.2	28
4	Host-guest chemistry of tolbutamide. <i>Molecules</i> , 2006 , 11, 478-85	4.8	7
3	A new tool for the rational design of methylbiotin hosts. <i>Tetrahedron Letters</i> , 2006 , 47, 9017-9020	2	8

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| 2 | Molecular recognition of biotin, barbital and tolbutamide with new synthetic receptors.
<i>Tetrahedron</i> , 2005 , 61, 5089-5100 | 2.4 | 24 |
| 1 | Towards the design of host-guest complexes: biotin and urea derivatives versus artificial receptors.
<i>Biosensors and Bioelectronics</i> , 2004 , 20, 1242-9 | 11.8 | 19 |