Juan Gallo

List of Publications by Year
in descending order

63 papers	1,979 citations	218592 26 h-index	265120 42 g-index
70 all docs	70 docs citations	70 times ranked	3324 citing authors

#	Article	IF	Citations
1	Magnetic nanoparticles as contrast agents in the diagnosis and treatment of cancer. Chemical Society Reviews, 2013, 42, 7816.	18.7	199
2	CXCR4â€Targeted and MMPâ€Responsive Iron Oxide Nanoparticles for Enhanced Magnetic Resonance Imaging. Angewandte Chemie - International Edition, 2014, 53, 9550-9554.	7.2	146
3	Green synthesis of fluorescent carbon dots from spices for in vitro imaging and tumour cell growth inhibition. Beilstein Journal of Nanotechnology, 2018, 9, 530-544.	1.5	139
4	PLGA-Based Composites for Various Biomedical Applications. International Journal of Molecular Sciences, 2022, 23, 2034.	1.8	99
5	Recent Progress on Manganeseâ€Based Nanostructures as Responsive MRI Contrast Agents. Chemistry - A European Journal, 2019, 25, 431-441.	1.7	61
6	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. Materials Science and Engineering C, 2018, 93, 206-217.	3.8	56
7	Magnetic Glyconanoparticles as a Versatile Platform for Selective Immunolabeling and Imaging of Cells. Bioconjugate Chemistry, 2011, 22, 264-273.	1.8	53
8	Electrocatalytic Performance and Stability of Nanostructured Feâ€“Ni Pyrite-Type Diphosphide Catalyst Supported on Carbon Paper. Journal of Physical Chemistry C, 2016, 120, 16537-16544.	1.5	53
9	Synthesis, Characterization, and Evaluation of Superparamagnetic Doped Ferrites as Potential Therapeutic Nanotools. Chemistry of Materials, 2020, 32, 2220-2231.	3.2	50
10	Hybrid, metal oxide-peptide amphiphile micelles for molecular magnetic resonance imaging of atherosclerosis. Journal of Nanobiotechnology, 2018, 16, 92.	4.2	47
11	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	46
12	Water-soluble magnetic glyconanoparticles based on metal-doped ferrites coated with gold: Synthesis and characterization. Journal of Materials Chemistry, 2010, 20, 10010.	6.7	43
13	Lanthanide(III) Complexes of Rhodamineâ€“DO3A Conjugates as Agents for Dual-Modal Imaging. Inorganic Chemistry, 2013, 52, 14284-14293.	1.9	43
14	Magnetite Nanoparticles for Stem Cell Labeling with High Efficiency and Long-Term in Vivo Tracking. Bioconjugate Chemistry, 2017, 28, 362-370.	1.8	41
15	Magnetic Dehydrodipeptide-Based Self-Assembled Hydrogels for Theragnostic Applications. Nanomaterials, 2019, 9, 541.	1.9	41
16	Tuning the relaxation rates of dual-mode T₁/T₂ nanoparticle contrast agents: a study into the ideal system. Nanoscale, 2015, 7, 16119-16128.	2.8	40
17	Sub-Micrometer Magnetic Nanocomposites: Insights into the Effect of Magnetic Nanoparticles Interactions on the Optimization of SAR and MRI Performance. ACS Applied Materials & Interfaces, 2016, 8, 25777-25787.	4.0	38
18	Combining magnetic hyperthermia and dual T1/T2 MR imaging using highly versatile iron oxide nanoparticles. Dalton Transactions, 2019, 48, 3883-3892.	1.6	38

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19	Rapid Sonochemical Approach Produces Functionalized Fe₃O₄Nanoparticles with Excellent Magnetic, Colloidal, and Relaxivity Properties for MRI Application. Journal of Physical Chemistry C, 2017, 121, 24206-24222.	1.5	37
20	Smart magnetic resonance imaging-based theranostics for cancer. Theranostics, 2021, 11, 8706-8737.	4.6	37
21	Specific labelling of cell populations in blood with targeted immuno-fluorescent/magnetic glyconanoparticles. Biomaterials, 2011, 32, 9818-9825.	5.7	36
22	Xanthan-Fe₃O₄ Nanoparticle Composite Hydrogels for Non-Invasive Magnetic Resonance Imaging and Magnetically Assisted Drug Delivery. ACS Applied Nano Materials, 2021, 4, 7712-7729.	2.4	33
23	Potential G-quadruplexes and i-Motifs in the SARS-CoV-2. PLoS ONE, 2021, 16, e0250654.	1.1	30
24	RGD-targeted MnO nanoparticles as T₁contrast agents for cancer imaging â€“ the effect of PEG length in vivo. Journal of Materials Chemistry B, 2014, 2, 868-876.	2.9	29
25	Targeting tumor cells and neovascularization using RGD-functionalized magnetoliposomes . International Journal of Nanomedicine, 2019, Volume 14, 5911-5924.	3.3	29
26	Design and validation of a new ratiometric intracellular pH imaging probe using lanthanide-doped upconverting nanoparticles. Dalton Transactions, 2017, 46, 13957-13965.	1.6	27
27	A colloidally stable water dispersion of Ni nanowires as an efficient T₂-MRI contrast agent. Journal of Materials Chemistry B, 2017, 5, 3338-3347.	2.9	26
28	A novel amino phosphonate-coated magnetic nanoparticle as MRI contrast agent. Applied Surface Science, 2021, 543, 148824.	3.1	26
29	Tunable Performance of Manganese Oxide Nanostructures as MRI Contrast Agents. Chemistry - A European Journal, 2018, 24, 1295-1303.	1.7	25
30	A Magnetic Chameleon: Biocompatible Lanthanide Fluoride Nanoparticles with Magnetic Field Dependent Tunable Contrast Properties as a Versatile Contrast Agent for Low to Ultrahigh Field MRI and Optical Imaging in Biological Window. Chemistry - A European Journal, 2018, 24, 7388-7397.	1.7	23
31	PET imaging with multimodal upconversion nanoparticles. Dalton Transactions, 2014, 43, 5535.	1.6	21
32	Live Imaging of Mouse Endogenous Neural Progenitors Migrating in Response to an Induced Tumor. PLoS ONE, 2012, 7, e44466.	1.1	20
33	Green synthesis of multimodal â€˜OFFâ€“ONâ€™ activatable MRI/optical probes. Dalton Transactions, 2016, 45, 17672-17680.	1.6	20
34	Mapping intracellular thermal response of cancer cells to magnetic hyperthermia treatment. Nanoscale, 2020, 12, 21647-21656.	2.8	20
35	Magnetic lipid nanovehicles synergize the controlled thermal release of chemotherapeutics with magnetic ablation while enabling non-invasive monitoring by MRI for melanoma theranostics. Bioactive Materials, 2022, 8, 153-164.	8.6	20
36	Quantum Dot Labeling and Tracking of Cultured Limbal Epithelial Cell Transplants In Vitro. , 2015, 56, 3051.		17

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37	Enhanced performance of cobalt ferrite encapsulated in graphitic shell by means of AC magnetically activated catalytic wet peroxide oxidation of 4-nitrophenol. Chemical Engineering Journal, 2019, 376, 120012.	6.6	17
38	Uptake and Intracellular Fate of Fluorescentâ€Magnetic Glycoâ€nanoparticles. Advanced Healthcare Materials, 2012, 1, 302-307.	3.9	16
39	Synthesis, characterization and in vitro validation of a magnetic zeolite nanocomposite with T₂-MRI properties towards theranostic applications. Journal of Materials Chemistry B, 2019, 7, 3351-3361.	2.9	15
40	Graphene-Based Magnetic Nanoparticles for Theranostics: An Overview for Their Potential in Clinical Application. Nanomaterials, 2021, 11, 1073.	1.9	15
41	Ratiometric magnetic resonance imaging: Contrast agent design towards better specificity and quantification. Coordination Chemistry Reviews, 2021, 447, 214150.	9.5	14
42	A step-heating procedure for the synthesis of high-quality FePt nanostars. CrystEngComm, 2009, 11, 2605.	1.3	13
43	Detection of mouse endogenous type B astrocytes migrating towards brain lesions. Stem Cell Research, 2015, 14, 114-129.	0.3	13
44	Orthogonal Clickable Iron Oxide Nanoparticle Platform for Targeting, Imaging, and Onâ€Demand Release. Chemistry - A European Journal, 2018, 24, 8624-8631.	1.7	13
45	Magnetic Solid Nanoparticles and Their Counterparts: Recent Advances towards Cancer Theranostics. Pharmaceutics, 2022, 14, 506.	2.0	13
46	Magnetic Hybrid Wax Nanocomposites as Externally Controlled Theranostic Vehicles: High MRI Enhancement and Synergistic Magnetically Assisted Thermo/Chemo Therapy. Chemistry - A European Journal, 2020, 26, 4531-4538.	1.7	12
47	Structure of Manganese Oxide Nanoparticles Extracted via Pair Distribution Functions. Condensed Matter, 2020, 5, 19.	0.8	12
48	Amino acid based gallium-68 chelators capable of radiolabeling at neutral pH. Dalton Transactions, 2017, 46, 16973-16982.	1.6	11
49	Porous composites based on cellulose acetate and alfa-hematite with optical and antimicrobial properties. Carbohydrate Polymers, 2020, 241, 116362.	5.1	11
50	Magnetoliposomes as Contrast Agents for Longitudinal in vivo Assessment of Transplanted Pancreatic Islets in a Diabetic Rat Model. Scientific Reports, 2018, 8, 11487.	1.6	10
51	Probing T₁â€“T₂ interactions and their imaging implications through a thermally responsive nanoprobe. Nanoscale, 2017, 9, 11318-11326.	2.8	8
52	Solid Lipid Particles for Lung Metastasis Treatment. Pharmaceutics, 2021, 13, 93.	2.0	8
53	(Para)magnetic hybrid nanocomposites for dual MRI detection and treatment of solid tumours. Chemical Communications, 2020, 56, 8695-8698.	2.2	7
54	Chromonic self-assemblies in a series of dialkyl-thiacarbocyanine dyes and generalization of a facile route for the synthesis of fluorescent nanostructured silica fibers. Journal of the Taiwan Institute of Chemical Engineers, 2018, 92, 134-142.	2.7	6

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55	Evaluation of Novel Doxorubicin-Loaded Magnetic Wax Nanocomposite Vehicles as Cancer Combinatorial Therapy Agents. Pharmaceutics, 2020, 12, 637.	2.0	6
56	Three bisphosphonate ligands improve the water solubility of quantum dots. Faraday Discussions, 2014, 175, 153-169.	1.6	5
57	CdTeâ€Based QDs: Preparation, Cytotoxicity, and Tumor Cell Death by Targeting Transferrin Receptor. Particle and Particle Systems Characterization, 2014, 31, 126-133.	1.2	5
58	A Novel, All-Optical Tool for Controllable and Non-Destructive Poration of Cells with Single-Micron Resolution. , 2015, , .		5
59	Stimulation and Suppression of the Innate Immune System through Nanotechnology. ACS Applied Nano Materials, 2021, 4, 2303-2316.	2.4	5
60	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. Journal of Carbon Research, 2018, 4, 55.	1.4	4
61	Preliminary Evaluation of Novel Triglyceride-Based Nanocomposites for Biomedical Applications. Journal of the Brazilian Chemical Society, 0, , .	0.6	3
62	Magnetic Field Mapping Around Individual Magnetic Nanoparticle Agglomerates Using Nitrogenâ€Vacancy Centers in Diamond. Particle and Particle Systems Characterization, 2021, 38, 2100011.	1.2	3
63	Tunable Performance of Manganese Oxide Nanostructures as MRI Contrast Agents. Chemistry - A European Journal, 2018, 24, 1221-1221.	1.7	2