

Manuel Baobre-Lpez

List of Publications by Citations

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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.

88

papers

2,808

citations

27

h-index

51

g-index

93

ext. papers

3,357

ext. citations

6.2

avg, IF

5.31

L-index

#	Paper	IF	Citations
88	Magnetic nanoparticle-based hyperthermia for cancer treatment. <i>Reports of Practical Oncology and Radiotherapy</i> , 2013 , 18, 397-400	1.5	348
87	Advances in Magnetic Nanoparticles for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2018 , 7, 1700845	10.1	277
86	Intrinsic magnetism and hyperthermia in bioactive Fe-doped hydroxyapatite. <i>Acta Biomaterialia</i> , 2012 , 8, 843-51	10.8	207
85	Large-Scale Synthesis of Colloidal Fe ₃ O ₄ Nanoparticles Exhibiting High Heating Efficiency in Magnetic Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8691-8701	3.8	182
84	Magnetic poly(ε-caprolactone)/iron-doped hydroxyapatite nanocomposite substrates for advanced bone tissue engineering. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20120833	4.1	140
83	Synthesis of small atomic copper clusters in microemulsions. <i>Langmuir</i> , 2009 , 25, 8208-16	4	128
82	The influence of colloidal parameters on the specific power absorption of PAA-coated magnetite nanoparticles. <i>Nanoscale Research Letters</i> , 2011 , 6, 383	5	113
81	Poly(caprolactone) based magnetic scaffolds for bone tissue engineering. <i>Journal of Applied Physics</i> , 2011 , 109, 07B313	2.5	80
80	A Systematic Study of the Structural and Magnetic Properties of Mn-, Co-, and Ni-Doped Colloidal Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11947-11957	3.8	68
79	Superparamagnetic Nanocomposites Based on the Dispersion of Oleic Acid-Stabilized Magnetite Nanoparticles in a Diglycidylether of Bisphenol A-Based Epoxy Matrix: Magnetic Hyperthermia and Shape Memory. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13421-13428	3.8	66
78	Magnetic nanoparticles for application in cancer therapy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3499-3502	2.8	59
77	Magnetic Properties of Ni/NiO Nanowires Deposited onto CNT/Pt Nanocomposites. <i>Advanced Functional Materials</i> , 2008 , 18, 616-621	15.6	55
76	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. <i>Materials Science and Engineering C</i> , 2018 , 93, 206-217	8.3	46
75	Hyperthermia Induced in Magnetic Scaffolds for Bone Tissue Engineering. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-7	2	44
74	Biomimetic magnetic silk scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6282-92	9.5	42
73	Highly Effective Antibacterial Vesicles Based on Peptide-Mimetic Alternating Copolymers for Bone Repair. <i>Biomacromolecules</i> , 2017 , 18, 4154-4162	6.9	40
72	Organ-on-a-Chip: A Preclinical Microfluidic Platform for the Progress of Nanomedicine. <i>Small</i> , 2020 , 16, e2003517	11	40

71	Exploring the Potential of Starch/Polycaprolactone Aligned Magnetic Responsive Scaffolds for Tendon Regeneration. <i>Advanced Healthcare Materials</i> , 2016 , 5, 213-22	10.1	40
70	Haemocompatibility of iron oxide nanoparticles synthesized for theranostic applications: a high-sensitivity microfluidic tool. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	35
69	Role of Doping and Dimensionality in the Superconductivity of Na_xCoO_2 . <i>Chemistry of Materials</i> , 2005 , 17, 1965-1968	9.6	34
68	Magnetite Nanoparticles for Stem Cell Labeling with High Efficiency and Long-Term in Vivo Tracking. <i>Bioconjugate Chemistry</i> , 2017 , 28, 362-370	6.3	33
67	Tuning the relaxation rates of dual-mode T(1)/T(2) nanoparticle contrast agents: a study into the ideal system. <i>Nanoscale</i> , 2015 , 7, 16119-28	7.7	33
66	Recent Progress on Manganese-Based Nanostructures as Responsive MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2019 , 25, 431-441	4.8	31
65	Effect of magnetic hyperthermia on the structure of biofilm and cellular viability of a food spoilage bacterium. <i>Biofouling</i> , 2013 , 29, 1225-32	3.3	30
64	Rapid Sonochemical Approach Produces Functionalized Fe_3O_4 Nanoparticles with Excellent Magnetic, Colloidal, and Relaxivity Properties for MRI Application. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24206-24222	3.8	29
63	Multilayered Magnetic Gelatin Membrane Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23098-109	9.5	27
62	Smart magnetic poly(N-isopropylacrylamide) to control the release of bio-active molecules. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 2365-71	4.5	27
61	Sub-Micrometer Magnetic Nanocomposites: Insights into the Effect of Magnetic Nanoparticles Interactions on the Optimization of SAR and MRI Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25777-25787	9.5	27
60	Magnetic Dehydrodipeptide-Based Self-Assembled Hydrogels for Theragnostic Applications. <i>Nanomaterials</i> , 2019 , 9,	5.4	25
59	Synthesis, Characterization, and Evaluation of Superparamagnetic Doped Ferrites as Potential Therapeutic Nanotools. <i>Chemistry of Materials</i> , 2020 , 32, 2220-2231	9.6	25
58	Bacteriophages for Chronic Wound Treatment: from Traditional to Novel Delivery Systems. <i>Viruses</i> , 2020 , 12,	6.2	25
57	Tailoring the magnetic properties of nickel nanoshells through controlled chemical growth. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7360		24
56	Hybrid, metal oxide-peptide amphiphile micelles for molecular magnetic resonance imaging of atherosclerosis. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 92	9.4	24
55	Influence of the separation procedure on the properties of magnetic nanoparticles: Gaining in vitro stability and T1-T2 magnetic resonance imaging performance. <i>Journal of Colloid and Interface Science</i> , 2016 , 472, 229-36	9.3	20
54	Design and validation of a new ratiometric intracellular pH imaging probe using lanthanide-doped upconverting nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 13957-13965	4.3	19

53	High-Temperature Magnetism as a Probe for Structural and Compositional Uniformity in Ligand-Capped Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28322-28329	3.8	19
52	Tunable Performance of Manganese Oxide Nanostructures as MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2018 , 24, 1295-1303	4.8	19
51	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. <i>Chemistry - A European Journal</i> , 2018 , 24, 7388-7397	4.8	18
50	A colloiddally stable water dispersion of Ni nanowires as an efficient T-MRI contrast agent. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3338-3347	7.3	17
49	Targeting tumor cells and neovascularization using RGD-functionalized magnetoliposomes. <i>International Journal of Nanomedicine</i> , 2019 , 14, 5911-5924	7.3	14
48	A multifunctional nanomedicine platform for co-delivery of methotrexate and mild hyperthermia towards breast cancer therapy. <i>Materials Science and Engineering C</i> , 2020 , 116, 111255	8.3	14
47	Green synthesis of multimodal OFF-ON-activatable MRI/optical probes. <i>Dalton Transactions</i> , 2016 , 45, 17672-17680	4.3	13
46	Orthogonal Clickable Iron Oxide Nanoparticle Platform for Targeting, Imaging, and On-Demand Release. <i>Chemistry - A European Journal</i> , 2018 , 24, 8624-8631	4.8	12
45	Enhanced performance of cobalt ferrite encapsulated in graphitic shell by means of AC magnetically activated catalytic wet peroxide oxidation of 4-nitrophenol. <i>Chemical Engineering Journal</i> , 2019 , 376, 120012	14.7	11
44	Dye-doped biodegradable nanoparticle SiO coating on zinc- and iron-oxide nanoparticles to improve biocompatibility and for in vivo imaging studies. <i>Nanoscale</i> , 2020 , 12, 6164-6175	7.7	10
43	Evidence of weak ferromagnetism in chromium(III) oxide particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1547-1548	2.8	10
42	Mapping intracellular thermal response of cancer cells to magnetic hyperthermia treatment. <i>Nanoscale</i> , 2020 , 12, 21647-21656	7.7	10
41	Xanthan-Fe ₃ O ₄ Nanoparticle Composite Hydrogels for Non-Invasive Magnetic Resonance Imaging and Magnetically Assisted Drug Delivery. <i>ACS Applied Nano Materials</i> , 2021 , 4, 7712-7729	5.6	10
40	Synthesis, characterization and in vitro validation of a magnetic zeolite nanocomposite with T ₂ -MRI properties towards theranostic applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3351-3361	7.3	9
39	Relevant Parameters for Magnetic Hyperthermia in Biological Applications: Agglomeration, Concentration, and Viscosity. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	9
38	Magnetization Drop at High Temperature in Oleic Acid-Coated Magnetite Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3307-3310	2	9
37	Antiphase boundaries in truncated octahedron-shaped Zn-doped magnetite nanocrystals. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12800-12807	7.1	9
36	Magnetic Hybrid Wax Nanocomposites as Externally Controlled Theranostic Vehicles: High MRI Enhancement and Synergistic Magnetically Assisted Thermo/Chemo Therapy. <i>Chemistry - A European Journal</i> , 2020 , 26, 4531-4538	4.8	8

35	Magnetic lipid nanovehicles synergize the controlled thermal release of chemotherapeutics with magnetic ablation while enabling non-invasive monitoring by MRI for melanoma theranostics. <i>Bioactive Materials</i> , 2022 , 8, 153-164	16.7	8
34	Effectiveness and Safety of a Nontargeted Boost for a CXCR4-Targeted Magnetic Hyperthermia Treatment of Cancer Cells. <i>ACS Omega</i> , 2019 , 4, 1931-1940	3.9	7
33	Combining CXCR4-targeted and nontargeted nanoparticles for effective unassisted in vitro magnetic hyperthermia. <i>Biointerphases</i> , 2018 , 13, 011005	1.8	7
32	Internalization studies on zeolite nanoparticles using human cells. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 469-476	7.3	7
31	Magnetoliposomes as Contrast Agents for Longitudinal in vivo Assessment of Transplanted Pancreatic Islets in a Diabetic Rat Model. <i>Scientific Reports</i> , 2018 , 8, 11487	4.9	7
30	Probing T-T interactions and their imaging implications through a thermally responsive nanoprobe. <i>Nanoscale</i> , 2017 , 9, 11318-11326	7.7	7
29	Competing magnetism and superconductivity in Na(x)CoO ₂ at half doping. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9632-3	16.4	7
28	Magnetic Nanoparticles for Biomedical Applications 2014 , 457-493		7
27	Graphene-Based Magnetic Nanoparticles for Theranostics: An Overview for Their Potential in Clinical Application. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
26	A novel amino phosphonate-coated magnetic nanoparticle as MRI contrast agent. <i>Applied Surface Science</i> , 2021 , 543, 148824	6.7	7
25	Possible quantum criticality in Na _x CoO ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	6
24	PLGA-Based Composites for Various Biomedical Applications.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	6
23	Control of Bacterial Cells Growths by Magnetic Hyperthermia. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3508-3511	2	5
22	The Verwey transition in nanostructured magnetite produced by a combination of chimie douce and spark plasma sintering. <i>Journal of Applied Physics</i> , 2014 , 115, 17E117	2.5	5
21	The clinical path to deliver encapsulated phages and lysins. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	5
20	Magnetoliposomes Based on Shape Anisotropic Calcium/Magnesium Ferrite Nanoparticles as Nanocarriers for Doxorubicin. <i>Pharmaceutics</i> , 2021 , 13,	6.4	5
19	Smart magnetic resonance imaging-based theranostics for cancer. <i>Theranostics</i> , 2021 , 11, 8706-8737	12.1	5
18	(Para)magnetic hybrid nanocomposites for dual MRI detection and treatment of solid tumours. <i>Chemical Communications</i> , 2020 , 56, 8695-8698	5.8	4

17	Effective production of multifunctional magnetic-sensitive biomaterial by an extrusion-based additive manufacturing technique. <i>Biomedical Materials (Bristol)</i> , 2020 , 16, 015011	3.5	4
16	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. <i>Journal of Carbon Research</i> , 2018 , 4, 55	3.3	4
15	Magnetic Nanocolloids 2016 , 75-129		3
14	Evaluation of Novel Doxorubicin-Loaded Magnetic Wax Nanocomposite Vehicles as Cancer Combinatorial Therapy Agents. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
13	Magnetic Solid Nanoparticles and Their Counterparts: Recent Advances towards Cancer Theranostics.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	3
12	Preliminary Evaluation of Novel Triglyceride-Based Nanocomposites for Biomedical Applications. <i>Journal of the Brazilian Chemical Society</i> , 2017 ,	1.5	2
11	Tunable Performance of Manganese Oxide Nanostructures as MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2018 , 24, 1221-1221	4.8	2
10	Questionable collapse of the bulk modulus in CrN. <i>Nature Materials</i> , 2010 , 9, 284-284	27	2
9	PAO 1 In Vitro Time-Kill Kinetics Using Single Phages and Phage Formulations-Modulating Death, Adaptation, and Resistance. <i>Antibiotics</i> , 2021 , 10,	4.9	2
8	A novel and extremely stable nanofluid based on iron oxide nanoparticles: Experimental investigations on the thermal performance. <i>Thermal Science and Engineering Progress</i> , 2021 , 26, 101085	3.6	2
7	Solid Lipid Particles for Lung Metastasis Treatment. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
6	Kinetic impact of Pt seed morphology on the highly controlled growth of Ni-based nanostructures. <i>RSC Advances</i> , 2015 , 5, 52033-52040	3.7	1
5	Stimulation and Suppression of the Innate Immune System through Nanotechnology. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2303-2316	5.6	1
4	Antibiofilm Efficacy of the Pseudomonas aeruginosa [Pbunavirus vB_PaeM-SMS29 Loaded onto Dissolving Polyvinyl Alcohol Microneedles. <i>Viruses</i> , 2022 , 14, 964	6.2	1
3	Magnetic Field Mapping Around Individual Magnetic Nanoparticle Agglomerates Using Nitrogen-Vacancy Centers in Diamond. <i>Particle and Particle Systems Characterization</i> , 2021 , 38, 2100011	3.1	0
2	Experimental Studies of the Sedimentation, Stability and Thermal Conductivity of Two Different Nanofluids. <i>Engineering Proceedings</i> , 2021 , 4, 35	0.5	
1	Doxorubicin delivery performance of superparamagnetic carbon multi-core shell nanoparticles: pH dependence, stability and kinetic insight.. <i>Nanoscale</i> , 2022 , 14, 7220-7232	7.7	