

Antonio Aires

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.

33
papers

798
citations

15
h-index

28
g-index

36
ext. papers

948
ext. citations

7.1
avg, IF

4.09
L-index

#	Paper	IF	Citations
33	Efficient treatment of breast cancer xenografts with multifunctionalized iron oxide nanoparticles combining magnetic hyperthermia and anti-cancer drug delivery. <i>Breast Cancer Research</i> , 2015 , 17, 66	8.3	183
32	Multifunctionalized iron oxide nanoparticles for selective drug delivery to CD44-positive cancer cells. <i>Nanotechnology</i> , 2016 , 27, 065103	3.4	82
31	Multifunctionalized iron oxide nanoparticles for selective targeting of pancreatic cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1597-1605	4	50
30	Functionalized magnetic nanowires for chemical and magneto-mechanical induction of cancer cell death. <i>Scientific Reports</i> , 2016 , 6, 35786	4.9	47
29	Multifunctionalization of magnetic nanoparticles for controlled drug release: a general approach. <i>European Journal of Medicinal Chemistry</i> , 2014 , 82, 355-62	6.8	45
28	A Simple Approach to Design Proteins for the Sustainable Synthesis of Metal Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6214-6219	16.4	43
27	BSA-coated magnetic nanoparticles for improved therapeutic properties. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6239-6247	7.3	34
26	Designed Modular Proteins as Scaffolds To Stabilize Fluorescent Nanoclusters. <i>Biomacromolecules</i> , 2015 , 16, 3836-44	6.9	33
25	Preparation of an Immobilized Lipase-Palladium Artificial Metalloenzyme as Catalyst in the Heck Reaction: Role of the Solid Phase. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 2687-2696	5.6	31
24	White-emitting Protein-Metal Nanocluster Phosphors for Highly Performing Biohybrid Light-Emitting Diodes. <i>Nano Letters</i> , 2020 , 20, 2710-2716	11.5	27
23	The phenotype of target pancreatic cancer cells influences cell death by magnetic hyperthermia with nanoparticles carrying gemcitabine and the pseudo-peptide NucAnt. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 20, 101983	6	22
22	Iron Oxide Nanoparticles as Carriers for DOX and Magnetic Hyperthermia after Intratumoral Application into Breast Cancer in Mice: Impact and Future Perspectives. <i>Nanomaterials</i> , 2020 , 10,	5.4	19
21	Iron-Based Core-Shell Nanowires for Combinatorial Drug Delivery and Photothermal and Magnetic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43976-43988	9.5	19
20	Elucidation of the Physicochemical Properties Ruling the Colloidal Stability of Iron Oxide Nanoparticles under Physiological Conditions. <i>ChemNanoMat</i> , 2017 , 3, 183-189	3.5	15
19	Highly efficient and regioselective enzymatic synthesis of β (1-3) galactosides in biosolvents. <i>RSC Advances</i> , 2013 , 3, 12155	3.7	15
18	Magnetic core-shell nanowires as MRI contrast agents for cell tracking. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 42	9.4	13
17	Designed Repeat Proteins as Building Blocks for Nanofabrication. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 940, 61-81	3.6	13

16	Biomolecular templating of functional hybrid nanostructures using repeat protein scaffolds. <i>Biochemical Society Transactions</i> , 2015 , 43, 825-31	5.1	12
15	Covalent Immobilization of <i>Pseudomonas stutzeri</i> Lipase on a Porous Polymer: An Efficient Biocatalyst for a Scalable Production of Enantiopure Benzoin Esters under Sustainable Conditions. <i>Organic Process Research and Development</i> , 2015 , 19, 687-694	3.9	12
14	Sensors Based on Metal Nanoclusters Stabilized on Designed Proteins. <i>Biosensors</i> , 2018 , 8,	5.9	10
13	Cancer Nano-Immunotherapy from the Injection to the Target: The Role of Protein Corona. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
12	An experimental and computational framework for engineering multifunctional nanoparticles: designing selective anticancer therapies. <i>Nanoscale</i> , 2017 , 9, 13760-13771	7.7	8
11	Sustainable synthesis of N-acetyllactosamine using an immobilized β -galactosidase on a tailor made porous polymer. <i>RSC Advances</i> , 2015 , 5, 40375-40383	3.7	8
10	Protein-Modified Magnetic Nanoparticles for Biomedical Applications. <i>Current Organic Chemistry</i> , 2016 , 20, 1252-1261	1.7	8
9	Engineering multifunctional metal/protein hybrid nanomaterials as tools for therapeutic intervention and high-sensitivity detection. <i>Chemical Science</i> , 2020 , 12, 2480-2487	9.4	8
8	Protein Design for the Synthesis and Stabilization of Highly Fluorescent Quantum Dots. <i>Chemistry of Materials</i> , 2020 , 32, 5729-5738	9.6	7
7	Reduction of cardiac TGF β -mediated profibrotic events by inhibition of Hsp90 with engineered protein. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 123, 75-87	5.8	7
6	Tailored Functionalized Magnetic Nanoparticles to Target Breast Cancer Cells Including Cancer Stem-Like Cells. <i>Cancers</i> , 2020 , 12,	6.6	6
5	Discovering Biomolecules with Activity: Designed Repeat Proteins as Biocatalysts for (3 + 2) Cycloadditions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 762-776	16.4	6
4	Boosting the Photoluminescent Properties of Protein-Stabilized Gold Nanoclusters through Protein Engineering. <i>Nano Letters</i> , 2021 , 21, 9347-9353	11.5	3
3	Correlative 3D cryo X-ray imaging reveals intracellular location and effect of designed antifibrotic protein-nanomaterial hybrids.. <i>Chemical Science</i> , 2021 , 12, 15090-15103	9.4	2
2	A Simple Approach to Design Proteins for the Sustainable Synthesis of Metal Nanoclusters. <i>Angewandte Chemie</i> , 2019 , 131, 6280-6285	3.6	0
1	Effect of the surface parameters on the interaction of epoxy polymer supports with a lipase enzyme. <i>Polymer Bulletin</i> , 2015 , 72, 195-218	2.4	