

Alessandra Quarta

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.

45
papers

1,533
citations

19
h-index

39
g-index

51
ext. papers

1,724
ext. citations

6.5
avg, IF

4.1
L-index

#	Paper	IF	Citations
45	CdSe/CdS/ZnS double shell nanorods with high photoluminescence efficiency and their exploitation as biolabeling probes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2948-58	16.4	220
44	Water solubilization of hydrophobic nanocrystals by means of poly(maleic anhydride-alt-1-octadecene). <i>Journal of Materials Chemistry</i> , 2008 , 18, 1991		123
43	Correlating Magneto-Structural Properties to Hyperthermia Performance of Highly Monodisperse Iron Oxide Nanoparticles Prepared by a Seeded-Growth Route. <i>Chemistry of Materials</i> , 2011 , 23, 4170-4180	8.6	116
42	Mechanisms underlying toxicity induced by CdTe quantum dots determined in an invertebrate model organism. <i>Biomaterials</i> , 2012 , 33, 1991-2000	15.6	92
41	Fluorescent-magnetic hybrid nanostructures: preparation, properties, and applications in biology. <i>IEEE Transactions on Nanobioscience</i> , 2007 , 6, 298-308	3.4	89
40	Multifunctional nanostructures based on inorganic nanoparticles and oligothiophenes and their exploitation for cellular studies. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10545-55	16.4	84
39	Magnetic nanobeads decorated by thermo-responsive PNIPAM shell as medical platforms for the efficient delivery of doxorubicin to tumour cells. <i>Nanoscale</i> , 2011 , 3, 619-29	7.7	79
38	Polymer coated inorganic nanoparticles: tailoring the nanocrystal surface for designing nanoprobe with biological implications. <i>Nanoscale</i> , 2012 , 4, 3319-34	7.7	76
37	A cast-mold approach to iron oxide and Pt/iron oxide nanocontainers and nanoparticles with a reactive concave surface. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2205-17	16.4	67
36	Selective Targeting of Neurons with Inorganic Nanoparticles: Revealing the Crucial Role of Nanoparticle Surface Charge. <i>ACS Nano</i> , 2017 , 11, 6630-6640	16.7	57
35	Acidic pH-responsive nanogels as smart cargo systems for the simultaneous loading and release of short oligonucleotides and magnetic nanoparticles. <i>Langmuir</i> , 2010 , 26, 10315-24	4	49
34	Synthesis and biological assay of GSH functionalized fluorescent quantum dots for staining <i>Hydra vulgaris</i> . <i>Bioconjugate Chemistry</i> , 2007 , 18, 829-35	6.3	47
33	Magnetic properties of novel superparamagnetic MRI contrast agents based on colloidal nanocrystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e320-e323	2.8	42
32	Fluorescent nanocrystals reveal regulated portals of entry into and between the cells of <i>Hydra</i> . <i>PLoS ONE</i> , 2009 , 4, e7698	3.7	38
31	Bioconjugation of rod-shaped fluorescent nanocrystals for efficient targeted cell labeling. <i>Langmuir</i> , 2009 , 25, 12614-22	4	36
30	Rod-shaped nanocrystals elicit neuronal activity in vivo. <i>Small</i> , 2008 , 4, 1747-55	11	32
29	Targeting FR-expressing cells in ovarian cancer with Fab-functionalized nanoparticles: a full study to provide the proof of principle from in vitro to in vivo. <i>Nanoscale</i> , 2015 , 7, 2336-51	7.7	25

28	Fibrous scaffolds fabricated by emulsion electrospinning: from hosting capacity to in vivo biocompatibility. <i>Nanoscale</i> , 2016 , 8, 9293-303	7.7	23
27	Polymeric Nano-Micelles as Novel Cargo-Carriers for LY2157299 Liver Cancer Cells Delivery. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	20
26	Enhanced Solar-Driven Applications of [email[protected]] Patchy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27199-27206	3.8	18
25	Magnetic properties of iron oxide nanoparticles prepared by seeded-growth route. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	18
24	Recent Developments in the Reduction of Oxidative Stress through Antioxidant Polymeric Formulations. <i>Pharmaceutics</i> , 2019 , 11,	6.4	17
23	Hybrid polymeric-protein nano-carriers (HPPNC) for targeted delivery of TGF β inhibitors to hepatocellular carcinoma cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 120	4.5	17
22	Novel synthesis of platinum complexes and their intracellular delivery to tumor cells by means of magnetic nanoparticles. <i>Nanoscale</i> , 2019 , 11, 23482-23497	7.7	17
21	Chromogenic device for cystic fibrosis precocious diagnosis: A point of care tool for sweat test. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 474-480	8.5	14
20	Surface Coating Highly Improves Cytocompatibility of Halloysite Nanotubes: A Metabolic and Ultrastructural Study. <i>IEEE Nanotechnology Magazine</i> , 2016 , 15, 770-774	2.6	14
19	Human Hepatocarcinoma Cell Targeting by Glypican-3 Ligand Peptide Functionalized Silica Nanoparticles: Implications for Ultrasound Molecular Imaging. <i>Langmuir</i> , 2017 , 33, 4490-4499	4	12
18	Nanoheterostructures (NHS) and Their Applications in Nanomedicine: Focusing on In Vivo Studies. <i>Materials</i> , 2019 , 12,	3.5	12
17	A sustainable multi-function biomorphic material for pollution remediation or UV absorption: Aerosol assisted preparation of highly porous ZnO-based materials from cork templates. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102936	6.8	10
16	CdSe/CdS semiconductor quantum rods as robust fluorescent probes for paraffin-embedded tissue imaging. <i>IEEE Transactions on Nanobioscience</i> , 2011 , 10, 209-15	3.4	7
15	Investigation on the Composition of Agarose-Collagen I Blended Hydrogels as Matrices for the Growth of Spheroids from Breast Cancer Cell Lines. <i>Pharmaceutics</i> , 2021 , 13,	6.4	7
14	Multilayered Magnetic Nanobeads for the Delivery of Peptides Molecules Triggered by Intracellular Proteases. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35095-35104	9.5	6
13	Poly(lactide-co-glycolide) nanoparticles embedded in a micropatterned collagen scaffold for neuronal tissue regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017 , 66, 359-368	3	6
12	Lipid-Based Nanovesicles for Simultaneous Intracellular Delivery of Hydrophobic, Hydrophilic, and Amphiphilic Species. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 690	5.8	6
11	A thermo-sensitive chitosan/pectin hydrogel for long-term tumor spheroid culture. <i>Carbohydrate Polymers</i> , 2021 , 274, 118633	10.3	6

10	One step preparation of quantum dot-embedded lipid nanovesicles by a microfluidic device. <i>RSC Advances</i> , 2015 , 5, 98576-98582	3.7	5
9	Immunocytochemistry, electron tomography, and energy dispersive X-ray spectroscopy (EDXS) on cryosections of human cancer cells doped with stimuli responsive polymeric nanogels loaded with iron oxide nanoparticles. <i>Methods in Molecular Biology</i> , 2013 , 1025, 179-98	1.4	5
8	Automatic Echographic Detection of Halloysite Clay Nanotubes in a Low Concentration Range. <i>Nanomaterials</i> , 2016 , 6,	5.4	4
7	New biocompatible polymeric micelles designed for efficient intracellular uptake and delivery. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8963-8972	7.3	3
6	Cork-derived hierarchically porous hydroxyapatite with different stoichiometries for biomedical and environmental applications. <i>Materials Chemistry Frontiers</i> ,	7.8	2
5	Antibody-Functionalized Inorganic NPs: Mimicking Nature for Targeted Diagnosis and Therapy 2014 , 1-28		1
4	Beneficial Oxidative Stress-Related trans-Resveratrol Effects in the Treatment and Prevention of Breast Cancer. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11041	2.6	1
3	In Vitro Cytotoxicity of Halloysite Clay Nanotubes is Effectively Prevented by Surface Coating with PEG 2016 ,		1
2	Oxidative Stress and Multi-Organel Damage Induced by Two Novel Phytocannabinoids, CBDB and CBDP, in Breast Cancer Cells. <i>Molecules</i> , 2021 , 26,	4.8	1
1	Design of Antibody-Functionalized Polymeric Membranes for the Immunoisolation of Pancreatic Islets. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6056	2.6	0