

Alessandra Quarta

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,887
citations

279487

23
h-index

253896

43
g-index

51
all docs

51
docs citations

51
times ranked

3621
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 2948-2958.	6.6	247
2	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.	3.2	134
3	Water solubilization of hydrophobic nanocrystals by means of poly(maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (an	6.7	133
4	Mechanisms underlying toxicity induced by CdTe quantum dots determined in an invertebrate model organism. <i>Biomaterials</i> , 2012, 33, 1991-2000.	5.7	105
5	Multifunctional Nanostructures Based on Inorganic Nanoparticles and Oligothiophenes and Their Exploitation for Cellular Studies. <i>Journal of the American Chemical Society</i> , 2008, 130, 10545-10555.	6.6	98
6	Fluorescent-Magnetic Hybrid Nanostructures: Preparation, Properties, and Applications in Biology. <i>IEEE Transactions on Nanobioscience</i> , 2007, 6, 298-308.	2.2	96
7	Selective Targeting of Neurons with Inorganic Nanoparticles: Revealing the Crucial Role of Nanoparticle Surface Charge. <i>ACS Nano</i> , 2017, 11, 6630-6640.	7.3	85
8	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, 619-629.	2.8	84
9	Polymer coated inorganic nanoparticles: tailoring the nanocrystal surface for designing nanoprobe with biological implications. <i>Nanoscale</i> , 2012, 4, 3319.	2.8	81
10	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, 2205-2217.	6.6	71
11	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, 10315-10324.	1.6	54
12	Synthesis and Biological Assay of GSH Functionalized Fluorescent Quantum Dots for Staining <i>Hydra vulgaris</i> . <i>Bioconjugate Chemistry</i> , 2007, 18, 829-835.	1.8	52
13	Magnetic properties of novel superparamagnetic MRI contrast agents based on colloidal nanocrystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e320-e323.	1.0	45
14	Fluorescent Nanocrystals Reveal Regulated Portals of Entry into and Between the Cells of <i>Hydra</i> . <i>PLoS ONE</i> , 2009, 4, e7698.	1.1	44
15	Bioconjugation of Rod-Shaped Fluorescent Nanocrystals for Efficient Targeted Cell Labeling. <i>Langmuir</i> , 2009, 25, 12614-12622.	1.6	39
16	Rod-Shaped Nanocrystals Elicit Neuronal Activity In Vivo. <i>Small</i> , 2008, 4, 1747-1755.	5.2	38
17	Novel synthesis of platinum complexes and their intracellular delivery to tumor cells by means of magnetic nanoparticles. <i>Nanoscale</i> , 2019, 11, 23482-23497.	2.8	33
18	A thermo-sensitive chitosan/pectin hydrogel for long-term tumor spheroid culture. <i>Carbohydrate Polymers</i> , 2021, 274, 118633.	5.1	32

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19	Polymeric Nano-Micelles as Novel Cargo-Carriers for LY2157299 Liver Cancer Cells Delivery. <i>International Journal of Molecular Sciences</i> , 2018, 19, 748.	1.8	31
20	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, 2336-2351.	2.8	27
21	Hybrid polymeric-protein nano-carriers (HPPNC) for targeted delivery of TGF β 2 inhibitors to hepatocellular carcinoma cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 120.	1.7	26
22	Enhanced Solar-Driven Applications of ZnO@Ag Patchy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27199-27206.	1.5	25
23	Fibrous scaffolds fabricated by emulsion electrospinning: from hosting capacity to in vivo biocompatibility. <i>Nanoscale</i> , 2016, 8, 9293-9303.	2.8	24
24	Recent Developments in the Reduction of Oxidative Stress through Antioxidant Polymeric Formulations. <i>Pharmaceutics</i> , 2019, 11, 505.	2.0	24
25	Magnetic properties of iron oxide nanoparticles prepared by seeded-growth route. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	23
26	Chromogenic device for cystic fibrosis precocious diagnosis: A μ point of care tool for sweat test. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 474-480.	4.0	19
27	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.	3.3	19
28	Nanoheterostructures (NHS) and Their Applications in Nanomedicine: Focusing on In Vivo Studies. <i>Materials</i> , 2019, 12, 139.	1.3	19
29	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, 963.	2.0	19
30	Algal Phlorotannins as Novel Antibacterial Agents with Reference to the Antioxidant Modulation: Current Advances and Future Directions. <i>Marine Drugs</i> , 2022, 20, 403.	2.2	17
31	Surface Coating Highly Improves Cytocompatibility of Halloysite Nanotubes: A Metabolic and Ultrastructural Study. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 770-774.	1.1	16
32	Human Hepatocarcinoma Cell Targeting by Glypican-3 Ligand Peptide Functionalized Silica Nanoparticles: Implications for Ultrasound Molecular Imaging. <i>Langmuir</i> , 2017, 33, 4490-4499.	1.6	15
33	Lipid-Based Nanovesicles for Simultaneous Intracellular Delivery of Hydrophobic, Hydrophilic, and Amphiphilic Species. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 690.	2.0	13
34	Aquaponics-Derived Tilapia Skin Collagen for Biomaterials Development. <i>Polymers</i> , 2022, 14, 1865.	2.0	13
35	Beneficial Oxidative Stress-Related trans-Resveratrol Effects in the Treatment and Prevention of Breast Cancer. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11041.	1.3	12
36	One step preparation of quantum dot-embedded lipid nanovesicles by a microfluidic device. <i>RSC Advances</i> , 2015, 5, 98576-98582.	1.7	9

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37	Multilayered Magnetic Nanobeads for the Delivery of Peptides Molecules Triggered by Intracellular Proteases. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35095-35104.	4.0	9
38	Cork-derived hierarchically porous hydroxyapatite with different stoichiometries for biomedical and environmental applications. <i>Materials Chemistry Frontiers</i> , 0, , .	3.2	9
39	CdSe/CdS Semiconductor Quantum Rods as Robust Fluorescent Probes for Paraffin-Embedded Tissue Imaging. <i>IEEE Transactions on Nanobioscience</i> , 2011, 10, 209-215.	2.2	8
40	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, 179-198.	0.4	7
41	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.	1.8	7
42	Automatic Echographic Detection of Halloysite Clay Nanotubes in a Low Concentration Range. <i>Nanomaterials</i> , 2016, 6, 66.	1.9	6
43	New biocompatible polymeric micelles designed for efficient intracellular uptake and delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8963-8972.	2.9	4
44	Oxidative Stress and Multi-Organal Damage Induced by Two Novel Phytocannabinoids, CBDB and CBDP, in Breast Cancer Cells. <i>Molecules</i> , 2021, 26, 5576.	1.7	4
45	Poly(l-lactide-co-caprolactone-co-glycolide)-Based Nanoparticles as Delivery Platform: Effect of the Surfactants on Characteristics and Delivery Efficiency. <i>Nanomaterials</i> , 2022, 12, 1550.	1.9	4
46	Salting-Out Approach Is Worthy of Comparison with Ultracentrifugation for Extracellular Vesicle Isolation from Tumor and Healthy Models. <i>Biomolecules</i> , 2021, 11, 1857.	1.8	2
47	Magnetically active polymeric nanocomposites for two-photon stereolithography. , 2014, , .		1
48	Antibody-Functionalized Inorganic NPs: Mimicking Nature for Targeted Diagnosis and Therapy. , 2014, , 1-28.		1
49	In Vitro Cytotoxicity of Halloysite Clay Nanotubes is Effectively Prevented by Surface Coating with PEG. , 2016, , .		1
50	Design of Antibody-Functionalized Polymeric Membranes for the Immunoisolation of Pancreatic Islets. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6056.	1.3	1