Mariafrancesca Cascione

List of Publications by Year
in descending order

36 papers	840 citations	516215 16 h-index	500791 28 g-index
36 all docs	36 docs citations	36 times ranked	1568 citing authors

#	Article	IF	Citations
1	Silver Nanoparticles: Synthetic Routes, In Vitro Toxicity and Theranostic Applications for Cancer Disease. Nanomaterials, 2018, 8, 319.	1.9	144
2	Alpha-enolase (ENO1) controls alpha v/beta 3 integrin expression and regulates pancreatic cancer adhesion, invasion, and metastasis. Journal of Hematology and Oncology, 2017, 10, 16.	6.9	101
3	Toxicity assessment of anatase and rutile titanium dioxide nanoparticles: The role of degradation in different pH conditions and light exposure. Toxicology in Vitro, 2016, 37, 201-210.	1.1	67
4	In vitro targeting and imaging the translocator protein TSPO 18-kDa through G(4)-PAMAMâ€“FITC labeled dendrimer. Journal of Controlled Release, 2013, 172, 1111-1125.	4.8	52
5	Silver Nanoparticles Addition in Poly(Methyl Methacrylate) Dental Matrix: Topographic and Antimycotic Studies. International Journal of Molecular Sciences, 2019, 20, 4691.	1.8	41
6	Proteomics analysis of E-cadherin knockdown in epithelial breast cancer cells. Journal of Biotechnology, 2015, 202, 3-11.	1.9	38
7	Atomic force microscopy combined with optical microscopy for cells investigation. Microscopy Research and Technique, 2017, 80, 109-123.	1.2	38
8	Potential of Electrospun Poly(3-hydroxybutyrate)/Collagen Blends for Tissue Engineering Applications. Journal of Healthcare Engineering, 2018, 2018, 1-13.	1.1	29
9	Hybrid polymeric-protein nano-carriers (HPPNC) for targeted delivery of TGFÎ² inhibitors to hepatocellular carcinoma cells. Journal of Materials Science: Materials in Medicine, 2017, 28, 120.	1.7	26
10	Morphomechanical and structural changes induced by ROCK inhibitor in breast cancer cells. Experimental Cell Research, 2017, 360, 303-309.	1.2	25
11	Green Plasmonic Nanoparticles and Bio-Inspired Stimuli-Responsive Vesicles in Cancer Therapy Application. Nanomaterials, 2020, 10, 1083.	1.9	22
12	Improvement of PMMA Dental Matrix Performance by Addition of Titanium Dioxide Nanoparticles and Clay Nanotubes. Nanomaterials, 2021, 11, 2027.	1.9	22
13	Interaction between Human Serum Albumin and Different Anatase TiO₂ Nanoparticles: A Nano-bio Interface Study. Nanomaterials and Nanotechnology, 2015, 5, 30.	1.2	21
14	Morphomechanical and organelle perturbation induced by silver nanoparticle exposure. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	21
15	Cytoskeletal Alterations and Biomechanical Properties of parkin-Mutant Human Primary Fibroblasts. Cell Biochemistry and Biophysics, 2015, 71, 1395-1404.	0.9	20
16	The New Frontiers in Neurodegenerative Diseases Treatment: Liposomal-Based Strategies. Frontiers in Bioengineering and Biotechnology, 2020, 8, 566767.	2.0	18
17	Engineered Gold Nanoshells Killing Tumor Cells: New Perspectives. Current Pharmaceutical Design, 2019, 25, 1477-1489.	0.9	16
18	Synergistic Effect Induced by Gold Nanoparticles with Polyphenols Shell during Thermal Therapy: Macrophage Inflammatory Response and Cancer Cell Death Assessment. Cancers, 2021, 13, 3610.	1.7	13

#	Article	IF	Citations
19	Morphomechanical Alterations Induced by Transforming Growth Factor-Î²1 in Epithelial Breast Cancer Cells. Cancers, 2018, 10, 234.	1.7	11
20	Tailoring Cell Morphomechanical Perturbations Through Metal Oxide Nanoparticles. Nanoscale Research Letters, 2019, 14, 109.	3.1	11
21	Analysis of the Physico-Chemical, Mechanical and Biological Properties of Crosslinked Type-I Collagen from Horse Tendon: Towards the Development of Ideal Scaffolding Material for Urethral Regeneration. Materials, 2021, 14, 7648.	1.3	11
22	Encapsulation of Thermo-Sensitive Lauric Acid in Silica Shell: A Green Derivate for Chemo-Thermal Therapy in Breast Cancer Cell. Molecules, 2019, 24, 2034.	1.7	10
23	Transforming Growth Factor-Î² Promotes Morphomechanical Effects Involved in Epithelial to Mesenchymal Transition in Living Hepatocellular Carcinoma. International Journal of Molecular Sciences, 2019, 20, 108.	1.8	10
24	CaCO₃ Rods as Chitosan-Polygalacturonic Acid Carriers for Bromopyruvic Acid Delivery. Science of Advanced Materials, 2016, 8, 514-523.	0.1	10
25	Inorganic Nanomaterials versus Polymer-Based Nanoparticles for Overcoming Neurodegeneration. Nanomaterials, 2022, 12, 2337.	1.9	10
26	Colorimetric Paper-Based Device for Hazardous Compounds Detection in Air and Water: A Proof of Concept. Sensors, 2020, 20, 5502.	2.1	9
27	Acute Cytotoxic Effects on Morphology and Mechanical Behavior in MCF-7 Induced by TiO2NPs Exposure. International Journal of Molecular Sciences, 2019, 20, 3594.	1.8	7
28	Green Silver Nanoparticles Promote Inflammation Shutdown in Human Leukemic Monocytes. Materials, 2022, 15, 775.	1.3	7
29	Pulse-Atomic Force Lithography: A Powerful Nanofabrication Technique to Fabricate Constant and Varying-Depth Nanostructures. Nanomaterials, 2022, 12, 991.	1.9	7
30	Physico-Chemical Properties of Inorganic NPs Influence the Absorption Rate of Aquatic Mosses Reducing Cytotoxicity on Intestinal Epithelial Barrier Model. Molecules, 2021, 26, 2885.	1.7	5
31	Green Synthesis of Nanoparticles and Their Application in Cancer Therapy. , 2020, , 163-197.		5
32	Design of nano-clays for drug delivery and bio-imaging: can toxicity be an issue?. Nanomedicine, 2020, 15, 2429-2432.	1.7	4
33	High Doses of Silica Nanoparticles Obtained by Microemulsion and Green Routes Compromise Human Alveolar Cells Morphology and Stiffness Differently. Bioinorganic Chemistry and Applications, 2022, 2022, 1-23.	1.8	4
34	AFM Characterization of Halloysite Clay Nanocompositesâ€™ Superficial Properties: Current State-of-the-Art and Perspectives. Materials, 2022, 15, 3441.	1.3	4
35	Impact of Nanomaterials in Biological Systems and Applications in Nanomedicine Field. Nanomaterials, 2022, 12, 1775.	1.9	1
36	Titanium dioxide: antimicrobial surfaces and toxicity assessment. , 2021, , 373-393.		0