

Loris Rizzello

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,656
citations

304743

22
h-index

276875

41
g-index

50
all docs

50
docs citations

50
times ranked

5544
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanosilver-based antibacterial drugs and devices: Mechanisms, methodological drawbacks, and guidelines. <i>Chemical Society Reviews</i> , 2014, 43, 1501-1518.	38.1	662
2	All-natural composite wound dressing films of essential oils encapsulated in sodium alginate with antimicrobial properties. <i>International Journal of Pharmaceutics</i> , 2014, 463, 137-145.	5.2	241
3	Neurons sense nanoscale roughness with nanometer sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6264-6269.	7.1	225
4	Purification of Nanoparticles by Size and Shape. <i>Scientific Reports</i> , 2016, 6, 27494.	3.3	169
5	Nanotechnology tools for antibacterial materials. <i>Nanomedicine</i> , 2013, 8, 807-821.	3.3	148
6	Fibrous wound dressings encapsulating essential oils as natural antimicrobial agents. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1583-1589.	5.8	141
7	Mutagenic effects of gold nanoparticles induce aberrant phenotypes in <i>Drosophila melanogaster</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1-7.	3.3	114
8	Impact of Nanoscale Topography on Genomics and Proteomics of Adherent Bacteria. <i>ACS Nano</i> , 2011, 5, 1865-1876.	14.6	103
9	Monodispersed and size-controlled multibranching gold nanoparticles with nanoscale tuning of surface morphology. <i>Nanoscale</i> , 2011, 3, 2227.	5.6	101
10	Controlled antiseptic release by alginate polymer films and beads. <i>Carbohydrate Polymers</i> , 2013, 92, 176-183.	10.2	95
11	Polymersomes and their applications in cancer delivery and therapy. <i>Nanomedicine</i> , 2015, 10, 2757-2780.	3.3	65
12	Micro/Nanoscale Patterning of Nanostructured Metal Substrates for Plasmonic Applications. <i>ACS Nano</i> , 2009, 3, 893-900.	14.6	58
13	Polymersomes Eradicating Intracellular Bacteria. <i>ACS Nano</i> , 2020, 14, 8287-8298.	14.6	47
14	On the shuttling across the blood-brain barrier via tubule formation: Mechanism and cargo avidity bias. <i>Science Advances</i> , 2020, 6, .	10.3	41
15	Molecular response of <i>Escherichia coli</i> adhering onto nanoscale topography. <i>Nanoscale Research Letters</i> , 2012, 7, 575.	5.7	37
16	Polypyrrole and polyaniline nanocomposites with high photothermal conversion efficiency. <i>Soft Matter</i> , 2020, 16, 4569-4573.	2.7	37
17	Noble Metals and Soft Bio-Inspired Nanoparticles in Retinal Diseases Treatment: A Perspective. <i>Cells</i> , 2020, 9, 679.	4.1	34
18	Cultivar-Dependent Anticancer and Antibacterial Properties of Silver Nanoparticles Synthesized Using Leaves of Different <i>Olea Europaea</i> Trees. <i>Nanomaterials</i> , 2019, 9, 1544.	4.1	33

#	ARTICLE	IF	CITATIONS
19	Bottom-Up Evolution of Vesicles from Disks to High-Genus Polymersomes. <i>IScience</i> , 2018, 7, 132-144.	4.1	29
20	The role of the two splice variants and extranuclear pathway on Ki-67 regulation in non-cancer and cancer cells. <i>PLoS ONE</i> , 2017, 12, e0171815.	2.5	28
21	Real-time imaging of polymersome nanoparticles in zebrafish embryos engrafted with melanoma cancer cells: Localization, toxicity and treatment analysis. <i>EBioMedicine</i> , 2020, 58, 102902.	6.1	25
22	Macrophage Targeting pH Responsive Polymersomes for Glucocorticoid Therapy. <i>Pharmaceutics</i> , 2019, 11, 614.	4.5	22
23	Green Plasmonic Nanoparticles and Bio-Inspired Stimuli-Responsive Vesicles in Cancer Therapy Application. <i>Nanomaterials</i> , 2020, 10, 1083.	4.1	22
24	Exploring the Relationship between BODIPY Structure and Spectroscopic Properties to Design Fluorophores for Bioimaging. <i>Chemistry - A European Journal</i> , 2020, 26, 863-872.	3.3	21
25	Controlled antiseptic/eosin release from chitosan-based hydrogel modified fibrous substrates. <i>Carbohydrate Polymers</i> , 2015, 131, 306-314.	10.2	20
26	Metabolically Active, Fully Hydrolysable Polymersomes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4581-4586.	13.8	20
27	Microscale Patterning of Hydrophobic/Hydrophilic Surfaces by Spatially Controlled Galvanic Displacement Reactions. <i>Langmuir</i> , 2009, 25, 6019-6023.	3.5	19
28	One-step synthesis, toxicity assessment and degradation in tumoral pH environment of SiO ₂ @Ag core/shell nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	18
29	Synergistic Effect Induced by Gold Nanoparticles with Polyphenols Shell during Thermal Therapy: Macrophage Inflammatory Response and Cancer Cell Death Assessment. <i>Cancers</i> , 2021, 13, 3610.	3.7	13
30	Tailoring Cell Morphomechanical Perturbations Through Metal Oxide Nanoparticles. <i>Nanoscale Research Letters</i> , 2019, 14, 109.	5.7	11
31	Purification of olive mill wastewater through noble metal nanoparticle synthesis: waste safe disposal and nanomaterial impact on healthy hepatic cell mitochondria. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26154-26171.	5.3	11
32	Tuning cell behavior with nanoparticle shape. <i>PLoS ONE</i> , 2020, 15, e0240197.	2.5	7
33	Green Silver Nanoparticles Promote Inflammation Shutdown in Human Leukemic Monocytes. <i>Materials</i> , 2022, 15, 775.	2.9	7
34	Engineering Polymeric Nanosystems against Oral Diseases. <i>Molecules</i> , 2021, 26, 2229.	3.8	5
35	Green Synthesis of Nanoparticles and Their Application in Cancer Therapy. , 2020, , 163-197.		5
36	A green method for the production of an efficient bioimaging nanotool. <i>Nanoscale Advances</i> , 2019, 1, 1193-1199.	4.6	3

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37	Metabolically Active, Fully Hydrolysable Polymersomes. <i>Angewandte Chemie</i> , 2019, 131, 4629-4634.	2.0	3
38	ER \pm -independent NRF2-mediated immunoregulatory activity of tamoxifen. <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112274.	5.6	3
39	A Multiscale Study of Phosphorylcholine Driven Cellular Phenotypic Targeting. <i>ACS Central Science</i> , 2022, 8, 891-904.	11.3	3
40	Room-temperature metal stamping by microfluidics. <i>Materials Letters</i> , 2010, 64, 41-44.	2.6	2
41	Impact of nanomaterials on in vitro and in vivo systems: role of nanoscale features in nanotoxicology. , 2012, , .		0
42	Soft Matter Composites Interfacing with Biomolecules, Cells, and Tissues. , 2014, , 29-76.		0
43	Guidelines for Nanosilver-Based Antibacterial Devices. , 2017, , 419-442.		0
44	Targeting Macrophages and Synoviocytes Intracellular Milieu to Augment Anti-inflammatory Drug Potency. <i>Advanced Therapeutics</i> , 2022, 5, .	3.2	0