Sonia Trigueros

List of Publications by Year
in descending order

24 papers	1,144 citations	623734 14 h-index	642732 23 g-index
28 all docs	28 docs citations	28 times ranked	1385 citing authors

#	Article	IF	Citations
1	Synthesis, characterisation and cytotoxicity of gold microwires for ultra-sensitive biosensor development. Microbial Cell Factories, 2021, 20, 46.	4.0	4
2	Compromised Function of the Pancreatic Transcription Factor PDX1 in a Lineage of Desert Rodents. Journal of Mammalian Evolution, 2021, 28, 965-977.	1.8	0
3	Nanotechnology-Based Strategies to Overcome Current Barriers in Gene Delivery. International Journal of Molecular Sciences, 2021, 22, 8537.	4.1	29
4	pH-Dependent Formation of Oriented Zinc Oxide Nanostructures in the Presence of Tannic Acid. Nanomaterials, 2021, 11, 34.	4.1	4
5	Synthesis and modelling of the mechanical properties of Ag, Au and Cu nanowires. Science and Technology of Advanced Materials, 2019, 20, 225-261.	6.1	37
6	In Vitro Gene Delivery in Retinal Pigment Epithelium Cells by Plasmid DNA-Wrapped Gold Nanoparticles. Genes, 2019, 10, 289.	2.4	34
7	Nano-Scale Gene Delivery Systems: Current Technology, Obstacles, and Future Directions. Current Medicinal Chemistry, 2018, 25, 2448-2464.	2.4	15
8	Nanoscale Metal Particles as Nanocarriers in Targeted Drug Delivery System. Journal of Nanomedicine Research, 2016, 4, .	1.8	6
9	Characterization of the RstB2 protein, the DNA-binding protein of CTXÏ• phage from VibrioÂcholerae. Virus Genes, 2014, 48, 518-527.	1.6	1
10	SpoIIIE mechanism of directional translocation involves target search coupled to sequenceâ€dependent motor stimulation. EMBO Reports, 2013, 14, 473-479.	4.5	25
11	Three strategies to stabilise nearly monodispersed silver nanoparticles in aqueous solution. Nanoscale Research Letters, 2012, 7, 151.	5.7	56
12	Mapping nanomechanical properties of live cells using multi-harmonic atomic force microscopy. Nature Nanotechnology, 2011, 6, 809-814.	31.5	287
13	Characterization of the single-stranded DNA binding protein pVVGJÎ¦ of VGJÎ¦ phage from Vibrio cholerae. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1107-1112.	2.3	1
14	Nanotubes As Drug Delivery Systems For Prokaryotic And Eukaryotic Cells. Biophysical Journal, 2009, 96, 51a.	0.5	1
15	mwr Xer site-specific recombination is hypersensitive to DNA supercoiling. Nucleic Acids Research, 2009, 37, 3580-3587.	14.5	15
16	Production of highly knotted DNA by means of cosmid circularization inside phage capsids. BMC Biotechnology, 2007, 7, 94.	3.3	27
17	Differences in Resolution of mwr -Containing Plasmid Dimers Mediated by the Klebsiella pneumoniae and Escherichia coli XerC Recombinases: Potential Implications in Dissemination of Antibiotic Resistance Genes. Journal of Bacteriology, 2006, 188, 2812-2820.	2.2	22
18	DNA knots reveal a chiral organization of DNA in phage capsids. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9165-9169.	7.1	212

#	Article	IF	Citations
19	Asymmetric Removal of Supercoils Suggests how Topoisomerase II Simplifies DNA Topology. Journal of Molecular Biology, 2004, 335, 723-731.	4.2	53
20	Cloning, functional analysis and post-transcriptional regulation of a type II DNA topoisomerase from Leishmania infantum. A new potential target for anti-parasite drugs. Nucleic Acids Research, 2003, 31, 4917-4928.	14.5	26
21	Knotting probability of DNA molecules confined in restricted volumes: DNA knotting in phage capsids. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5373-5377.	7.1	230
22	Failure to Relax Negative Supercoiling of DNA Is a Primary Cause of Mitotic Hyper-recombination in Topoisomerase-deficient Yeast Cells. Journal of Biological Chemistry, 2002, 277, 37207-37211.	3.4	28
23	A GyrB-GyrA fusion protein expressed in yeast cells is able to remove DNA supercoils but cannot substitute eukaryotic topoisomerase II. Genes To Cells, 2002, 7, 249-257.	1.2	17
24	Circular Minichromosomes Become Highly Recombinogenic in Topoisomerase-deficient Yeast Cells. Journal of Biological Chemistry, 2001, 276, 2243-2248.	3.4	14