

# Sonia Trigueros

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/297402/publications.pdf>

Version: 2024-02-01

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	Mapping nanomechanical properties of live cells using multi-harmonic atomic force microscopy. <i>Nature Nanotechnology</i> , 2011, 6, 809-814.	31.5	287
2	Knotting probability of DNA molecules confined in restricted volumes: DNA knotting in phage capsids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5373-5377.	7.1	230
3	DNA knots reveal a chiral organization of DNA in phage capsids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9165-9169.	7.1	212
4	Three strategies to stabilise nearly monodispersed silver nanoparticles in aqueous solution. <i>Nanoscale Research Letters</i> , 2012, 7, 151.	5.7	56
5	Asymmetric Removal of Supercoils Suggests how Topoisomerase II Simplifies DNA Topology. <i>Journal of Molecular Biology</i> , 2004, 335, 723-731.	4.2	53
6	Synthesis and modelling of the mechanical properties of Ag, Au and Cu nanowires. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 225-261.	6.1	37
7	In Vitro Gene Delivery in Retinal Pigment Epithelium Cells by Plasmid DNA-Wrapped Gold Nanoparticles. <i>Genes</i> , 2019, 10, 289.	2.4	34
8	Nanotechnology-Based Strategies to Overcome Current Barriers in Gene Delivery. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8537.	4.1	29
9	Failure to Relax Negative Supercoiling of DNA Is a Primary Cause of Mitotic Hyper-recombination in Topoisomerase-deficient Yeast Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 37207-37211.	3.4	28
10	Production of highly knotted DNA by means of cosmid circularization inside phage capsids. <i>BMC Biotechnology</i> , 2007, 7, 94.	3.3	27
11	Cloning, functional analysis and post-transcriptional regulation of a type II DNA topoisomerase from <i>Leishmania infantum</i> . A new potential target for anti-parasite drugs. <i>Nucleic Acids Research</i> , 2003, 31, 4917-4928.	14.5	26
12	SpoIIIE mechanism of directional translocation involves target search coupled to sequence-dependent motor stimulation. <i>EMBO Reports</i> , 2013, 14, 473-479.	4.5	25
13	Differences in Resolution of <i>mwr</i> -Containing Plasmid Dimers Mediated by the <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> XerC Recombinases: Potential Implications in Dissemination of Antibiotic Resistance Genes. <i>Journal of Bacteriology</i> , 2006, 188, 2812-2820.	2.2	22
14	A GyrB-GyrA fusion protein expressed in yeast cells is able to remove DNA supercoils but cannot substitute eukaryotic topoisomerase II. <i>Genes To Cells</i> , 2002, 7, 249-257.	1.2	17
15	<i>mwr</i> Xer site-specific recombination is hypersensitive to DNA supercoiling. <i>Nucleic Acids Research</i> , 2009, 37, 3580-3587.	14.5	15
16	Nano-Scale Gene Delivery Systems: Current Technology, Obstacles, and Future Directions. <i>Current Medicinal Chemistry</i> , 2018, 25, 2448-2464.	2.4	15
17	Circular Minichromosomes Become Highly Recombinogenic in Topoisomerase-deficient Yeast Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 2243-2248.	3.4	14
18	Nanoscale Metal Particles as Nanocarriers in Targeted Drug Delivery System. <i>Journal of Nanomedicine Research</i> , 2016, 4, .	1.8	6

#	ARTICLE	IF	CITATIONS
19	Synthesis, characterisation and cytotoxicity of gold microwires for ultra-sensitive biosensor development. <i>Microbial Cell Factories</i> , 2021, 20, 46.	4.0	4
20	pH-Dependent Formation of Oriented Zinc Oxide Nanostructures in the Presence of Tannic Acid. <i>Nanomaterials</i> , 2021, 11, 34.	4.1	4
21	Nanotubes As Drug Delivery Systems For Prokaryotic And Eukaryotic Cells. <i>Biophysical Journal</i> , 2009, 96, 51a.	0.5	1
22	Characterization of the single-stranded DNA binding protein pVVGJÎ of VGJÎ phage from <i>Vibrio cholerae</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1107-1112.	2.3	1
23	Characterization of the RstB2 protein, the DNA-binding protein of CTXÎ phage from <i>Vibrio</i> cholerae. <i>Virus Genes</i> , 2014, 48, 518-527.	1.6	1
24	Compromised Function of the Pancreatic Transcription Factor PDX1 in a Lineage of Desert Rodents. <i>Journal of Mammalian Evolution</i> , 2021, 28, 965-977.	1.8	0