

Jos Rubn Morones Ramirez

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

7,135
citations

18
h-index

44
g-index

44
ext. papers

7,971
ext. citations

4.8
avg, IF

5.63
L-index

#	Paper	IF	Citations
36	The bactericidal effect of silver nanoparticles. <i>Nanotechnology</i> , 2005 , 16, 2346-53	3.4	4660
35	Interaction of silver nanoparticles with HIV-1. <i>Journal of Nanobiotechnology</i> , 2005 , 3, 6	9.4	1020
34	Silver enhances antibiotic activity against gram-negative bacteria. <i>Science Translational Medicine</i> , 2013 , 5, 190ra81	17.5	453
33	Bactericidal antibiotics induce mitochondrial dysfunction and oxidative damage in Mammalian cells. <i>Science Translational Medicine</i> , 2013 , 5, 192ra85	17.5	285
32	Biomass and lipid induction strategies in microalgae for biofuel production and other applications. <i>Microbial Cell Factories</i> , 2019 , 18, 178	6.4	114
31	In vivo antimicrobial activity of silver nanoparticles produced via a green chemistry synthesis using as a reducing and capping agent. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2349-2363	7.3	76
30	The Demand for New Antibiotics: Antimicrobial Peptides, Nanoparticles, and Combinatorial Therapies as Future Strategies in Antibacterial Agent Design. <i>Frontiers in Microbiology</i> , 2020 , 11, 1669	5.7	63
29	Environmentally sensitive silver nanoparticles of controlled size synthesized with PNIPAM as a nucleating and capping agent. <i>Langmuir</i> , 2007 , 23, 8180-6	4	62
28	Metabolic Engineering and Synthetic Biology: Synergies, Future, and Challenges. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 36	5.8	53
27	Synergistic Antimicrobial Effects of Silver/Transition-metal Combinatorial Treatments. <i>Scientific Reports</i> , 2017 , 7, 903	4.9	42
26	Bacterial Exopolysaccharides as Reducing and/or Stabilizing Agents during Synthesis of Metal Nanoparticles with Biomedical Applications. <i>International Journal of Polymer Science</i> , 2018 , 2018, 1-15	2.4	31
25	Antimicrobial activity of a silver-microfibrillated cellulose biocomposite against susceptible and resistant bacteria. <i>Scientific Reports</i> , 2020 , 10, 7281	4.9	26
24	Microbial Competition of <i>Rhodotorula mucilaginosa</i> UANL-001L and <i>E. coli</i> increase biosynthesis of Non-Toxic Exopolysaccharide with Applications as a Wide-Spectrum Antimicrobial. <i>Scientific Reports</i> , 2018 , 8, 798	4.9	25
23	Expression and purification of recombinant proteins in <i>Escherichia coli</i> tagged with a small metal-binding protein from <i>Nitrosomonas europaea</i> . <i>Protein Expression and Purification</i> , 2016 , 118, 49-54		24
22	Microbial competition between and reveals a soluble fungicidal factor. <i>Microbial Cell</i> , 2018 , 5, 249-255	3.9	24
21	Silver Nanoparticles Synthesized through Green Methods Using <i>Escherichia coli</i> Top 10 (Ec-Ts) Growth Culture Medium Exhibit Antimicrobial Properties against Nongrowing Bacterial Strains. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-8	3.2	23
20	Antimicrobial and antibiofilm activity of biopolymer-Ni, Zn nanoparticle biocomposites synthesized using UANL-001L exopolysaccharide as a capping agent. <i>International Journal of Nanomedicine</i> , 2019 , 14, 2557-2571	7.3	22

19	Bioinspired synthesis of optically and thermally responsive nanoporous membranes. <i>NPG Asia Materials</i> , 2013 , 5, e52-e52	10.3	18
18	Room temperature synthesis of an optically and thermally responsive hybrid PNIPAM-gold nanoparticle. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 1401-1414	2.3	16
17	Expression and purification of recombinant proteins in Escherichia coli tagged with the metal-binding protein CusF. <i>Protein Expression and Purification</i> , 2016 , 121, 61-5	2	13
16	Metal-Induced Production of a Novel Bioadsorbent Exopolysaccharide in a Native Rhodotorula mucilaginosa from the Mexican Northeastern Region. <i>PLoS ONE</i> , 2016 , 11, e0148430	3.7	12
15	Antibacterial and Antibiofilm Activity of Biosynthesized Silver Nanoparticles Coated With Exopolysaccharides Obtained From Rhodotorula mucilaginosa. <i>IEEE Transactions on Nanobioscience</i> , 2020 , 19, 498-503	3.4	10
14	Optimizing Periplasmic Expression in Escherichia coli for the Production of Recombinant Proteins Tagged with the Small Metal-Binding Protein SmbP. <i>Molecular Biotechnology</i> , 2019 , 61, 451-460	3	9
13	Antibacterial Activity of combinatorial treatments composed of transition-metal/antibiotics against Mycobacterium tuberculosis. <i>Scientific Reports</i> , 2019 , 9, 5471	4.9	9
12	Production of recombinant proteins in Escherichia coli tagged with the fusion protein CusF3H. <i>Protein Expression and Purification</i> , 2017 , 132, 44-49	2	8
11	Re-sensitizing Ampicillin and Kanamycin-Resistant and Using Synergistic Metal Micronutrients-Antibiotic Combinations. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 612	5.8	8
10	Nanomaterial-Based Antifungal Therapies to Combat Fungal Diseases Aspergillosis, Coccidioidomycosis, Mucormycosis, and Candidiasis. <i>Pathogens</i> , 2021 , 10,	4.5	7
9	Engineered small metal-binding protein tag improves the production of recombinant human growth hormone in the periplasm of Escherichia coli. <i>FEBS Open Bio</i> , 2020 , 10, 546-551	2.7	5
8	Recombinant protein production data after expression in the bacterium Escherichia coli. <i>Data in Brief</i> , 2016 , 7, 502-8	1.2	4
7	Environmentally responsive polymeric "intelligent" materials: the ideal components of non-mechanical valves that control flow in microfluidic systems. <i>Brazilian Journal of Chemical Engineering</i> , 2010 , 27, 1-14	1.7	4
6	Application of Extractive Fermentation on the Recuperation of Exopolysaccharide from Rhodotorula mucilaginosa UANL-001L. <i>Fermentation</i> , 2020 , 6, 108	4.7	2
5	Development of a Theoretical Model That Predicts Optothermal Energy Conversion of Gold Metallic Nanoparticles. <i>ACS Omega</i> , 2020 , 5, 1377-1383	3.9	1
4	Biofilm formation and molecular analysis of intercellular adhesion gene cluster among strains isolated from children with adenoiditis. <i>Iranian Journal of Microbiology</i> , 2021 , 13, 458-463	0.9	1
3	LED control of gene expression in a nanobiosystem composed of metallic nanoparticles and a genetically modified E. coli strain. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 190	9.4	0
2	. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 519-521	3.4	

- 1 Development of Intelligent Nanomaterials as a Strategy to Solve Environmental Problems **2014**, 373-385