Jos Rubn Morones Ramrez

List of Publications by Year in Descending Order

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	Nanomaterial-Based Antifungal Therapies to Combat Fungal Diseases Aspergillosis, Coccidioidomycosis, Mucormycosis, and Candidiasis. *Pathogens*, **2021**, 10,	4.5	7
35	LED control of gene expression in a nanobiosystem composed of metallic nanoparticles and a genetically modified E. coli strain. *Journal of Nanobiotechnology*, **2021**, 19, 190	9.4	0
34	Biofilm formation and molecular analysis of intercellular adhesion gene cluster among strains isolated from children with adenoiditis. *Iranian Journal of Microbiology*, **2021**, 13, 458-463	0.9	1
33	Antimicrobial activity of a silver-microfibrillated cellulose biocomposite against susceptible and resistant bacteria. *Scientific Reports*, **2020**, 10, 7281	4.9	26
32	Re-sensitizing Ampicillin and Kanamycin-Resistant and Using Synergistic Metal Micronutrients-Antibiotic Combinations. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 612	5.8	8
31	Engineered small metal-binding protein tag improves the production of recombinant human growth hormone in the periplasm of Escherichia□coli. *FEBS Open Bio*, **2020**, 10, 546-551	2.7	5
30	Development of a Theoretical Model That Predicts Optothermal Energy Conversion of Gold Metallic Nanoparticles. *ACS Omega*, **2020**, 5, 1377-1383	3.9	1
29	Antibacterial and Antibiofilm Activity of Biosynthesized Silver Nanoparticles Coated With Exopolysaccharides Obtained From Rhodotorula mucilaginosa. *IEEE Transactions on Nanobioscience*, **2020**, 19, 498-503	3.4	10
28	Application of Extractive Fermentation on the Recuperation of Exopolysaccharide from Rhodotorula mucilaginosa UANL-001L. *Fermentation*, **2020**, 6, 108	4.7	2
27	The Demand for New Antibiotics: Antimicrobial Peptides, Nanoparticles, and Combinatorial Therapies as Future Strategies in Antibacterial Agent Design. *Frontiers in Microbiology*, **2020**, 11, 1669	5.7	63
26	Biomass and lipid induction strategies in microalgae for biofuel production and other applications. *Microbial Cell Factories*, **2019**, 18, 178	6.4	114
25	Antimicrobial and antibiofilm activity of biopolymer-Ni, Zn nanoparticle biocomposites synthesized using UANL-001L exopolysaccharide as a capping agent. *International Journal of Nanomedicine*, **2019**, 14, 2557-2571	7.3	22
24	Optimizing Periplasmic Expression in Escherichia coli for the Production of Recombinant Proteins Tagged with the Small Metal-Binding Protein SmbP. *Molecular Biotechnology*, **2019**, 61, 451-460	3	9
23	Antibacterial Activity of combinatorial treatments composed of transition-metal/antibiotics against Mycobacterium tuberculosis. *Scientific Reports*, **2019**, 9, 5471	4.9	9
22	Metabolic Engineering and Synthetic Biology: Synergies, Future, and Challenges. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 36	5.8	53
21	. *IEEE Transactions on Nanobioscience*, **2019**, 18, 519-521	3.4	
20	Silver Nanoparticles Synthesized through Green Methods Using Escherichia coli Top 10 (Ec-Ts) Growth Culture Medium Exhibit Antimicrobial Properties against Nongrowing Bacterial Strains. *Journal of Nanomaterials*, **2019**, 2019, 1-8	3.2	23

19	Microbial Competition of Rhodotorula mucilaginosa UANL-001L and E. coli increase biosynthesis of Non-Toxic Exopolysaccharide with Applications as a Wide-Spectrum Antimicrobial. *Scientific Reports* , **2018**, 8, 798	4.9	25
18	In vivo antimicrobial activity of silver nanoparticles produced via a green chemistry synthesis using as a reducing and capping agent. *International Journal of Nanomedicine*, **2018**, 13, 2349-2363	7.3	76
17	Microbial competition between and reveals a soluble fungicidal factor. *Microbial Cell*, **2018**, 5, 249-255	3.9	24
16	Bacterial Exopolysaccharides as Reducing and/or Stabilizing Agents during Synthesis of Metal Nanoparticles with Biomedical Applications. *International Journal of Polymer Science*, **2018**, 2018, 1-15	2.4	31
15	Production of recombinant proteins in Escherichia coli tagged with the fusion protein CusF3H. *Protein Expression and Purification*, **2017**, 132, 44-49	2	8
14	Synergistic Antimicrobial Effects of Silver/Transition-metal Combinatorial Treatments. *Scientific Reports*, **2017**, 7, 903	4.9	42
13	Expression and purification of recombinant proteins in Escherichia coli tagged with the metal-binding protein CusF. *Protein Expression and Purification*, **2016**, 121, 61-5	2	13
12	Recombinant protein production data after expression in the bacterium Escherichia coli. *Data in Brief*, **2016**, 7, 502-8	1.2	4
11	Expression and purification of recombinant proteins in Escherichia coli tagged with a small metal-binding protein from Nitrosomonas europaea. *Protein Expression and Purification*, **2016**, 118, 49-54	2	24
10	Metal-Induced Production of a Novel Bioadsorbent Exopolysaccharide in a Native Rhodotorula mucilaginosa from the Mexican Northeastern Region. *PLoS ONE*, **2016**, 11, e0148430	3.7	12
9	Development of Intelligent Nanomaterials as a Strategy to Solve Environmental Problems **2014**, 373-385		
8	Bactericidal antibiotics induce mitochondrial dysfunction and oxidative damage in Mammalian cells. *Science Translational Medicine*, **2013**, 5, 192ra85	17.5	285
7	Silver enhances antibiotic activity against gram-negative bacteria. *Science Translational Medicine*, **2013**, 5, 190ra81	17.5	453
6	Bioinspired synthesis of optically and thermally responsive nanoporous membranes. *NPG Asia Materials*, **2013**, 5, e52-e52	10.3	18
5	Room temperature synthesis of an optically and thermally responsive hybrid PNIPAM–gold nanoparticle. *Journal of Nanoparticle Research*, **2010**, 12, 1401-1414	2.3	16
4	Environmentally responsive polymeric "intelligent" materials: the ideal components of non-mechanical valves that control flow in microfluidic systems. *Brazilian Journal of Chemical Engineering*, **2010**, 27, 1-14	1.7	4
3	Environmentally sensitive silver nanoparticles of controlled size synthesized with PNIPAM as a nucleating and capping agent. *Langmuir*, **2007**, 23, 8180-6	4	62
2	The bactericidal effect of silver nanoparticles. *Nanotechnology*, **2005**, 16, 2346-53	3.4	4660

1 Interaction of silver nanoparticles with HIV-1. *Journal of Nanobiotechnology*, **2005**, 3, 6 9.4 1020