

# JosÃ© RubÃ©n Morones RamÃ©rez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/961611/publications.pdf>

Version: 2024-02-01

41  
papers

8,938  
citations

393982

19  
h-index

288905

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

13972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and in silico analysis of a whole-cell biosensor able to kill methicillin-resistant <i>Staphylococcus aureus</i> . <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1373-1382.	1.4	3
2	Guest Editorial CINBI 2020 Special Issue. <i>IEEE Transactions on Nanobioscience</i> , 2022, 21, 86-88.	2.2	0
3	Synthetic Biology Tools for Engineering Microbial Cells to Fight Superbugs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	2.0	3
4	Conversion of banana peel into diverse valuable metabolites using an autochthonous <i>Rhodotorula mucilaginosa</i> strain. <i>Microbial Cell Factories</i> , 2022, 21, .	1.9	5
5	Nanomaterials-Based Combinatorial Therapy as a Strategy to Combat Antibiotic Resistance. <i>Antibiotics</i> , 2022, 11, 794.	1.5	7
6	Organic Waste as Reducing and Capping Agents for Synthesis of Silver Nanoparticles with Various Applications. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
7	LED control of gene expression in a nanobiosystem composed of metallic nanoparticles and a genetically modified <i>E. coli</i> strain. <i>Journal of Nanobiotechnology</i> , 2021, 19, 190.	4.2	4
8	Biofilm formation and molecular analysis of intercellular adhesion gene cluster ( <i>icaABCD</i> ) among <i>Staphylococcus aureus</i> strains isolated from children with adenoiditis. <i>Iranian Journal of Microbiology</i> , 2021, 13, 458-463.	0.8	5
9	Nanomaterial-Based Antifungal Therapies to Combat Fungal Diseases Aspergillosis, Coccidioidomycosis, Mucormycosis, and Candidiasis. <i>Pathogens</i> , 2021, 10, 1303.	1.2	26
10	Application of Extractive Fermentation on the Recuperation of Exopolysaccharide from <i>Rhodotorula mucilaginosa</i> UANL-001L. <i>Fermentation</i> , 2020, 6, 108.	1.4	3
11	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.	1.5	163
12	Antimicrobial activity of a silver-microfibrillated cellulose biocomposite against susceptible and resistant bacteria. <i>Scientific Reports</i> , 2020, 10, 7281.	1.6	41
13	Re-sensitizing Ampicillin and Kanamycin-Resistant <i>E. coli</i> and <i>S. aureus</i> Using Synergistic Metal Micronutrients-Antibiotic Combinations. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 612.	2.0	16
14	Engineered small metal-binding protein tag improves the production of recombinant human growth hormone in the periplasm of <i>Escherichia coli</i> . <i>FEBS Open Bio</i> , 2020, 10, 546-551.	1.0	8
15	Development of a Theoretical Model That Predicts Optothermal Energy Conversion of Gold Metallic Nanoparticles. <i>ACS Omega</i> , 2020, 5, 1377-1383.	1.6	6
16	Antibacterial and Antibiofilm Activity of Biosynthesized Silver Nanoparticles Coated With Exopolysaccharides Obtained From <i>Rhodotorula mucilaginosa</i> . <i>IEEE Transactions on Nanobioscience</i> , 2020, 19, 498-503.	2.2	16
17	Guest Editorial Special Section on Advances in NanoBioEngineering ICNBE 2018. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 519-521.	2.2	0
18	Biomass and lipid induction strategies in microalgae for biofuel production and other applications. <i>Microbial Cell Factories</i> , 2019, 18, 178.	1.9	246

#	ARTICLE	IF	CITATIONS
19	&lt;p&gt;Antimicrobial and antibiofilm activity of biopolymer-Ni, Zn nanoparticle biocomposites synthesized using &lt;em&gt;R. mucilaginosa&lt;/em&gt; UANL-001L exopolysaccharide as a capping agent&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 2557-2571.	3.3	34
20	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.	1.3	13
21	Antibacterial Activity of combinatorial treatments composed of transition-metal/antibiotics against Mycobacterium tuberculosis. Scientific Reports, 2019, 9, 5471.	1.6	18
22	Metabolic Engineering and Synthetic Biology: Synergies, Future, and Challenges. Frontiers in Bioengineering and Biotechnology, 2019, 7, 36.	2.0	78
23	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. Journal of Nanomaterials, 2019, 2019, 1-8.	1.5	33
24	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.	1.6	39
25	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.	1.2	53
26	In vivo antimicrobial activity of silver nanoparticles produced via a green chemistry synthesis using &lt;em&gt;Acacia rigidula&lt;/em&gt; as a reducing and capping agent. International Journal of Nanomedicine, 2018, Volume 13, 2349-2363.	3.3	117
27	Microbial competition between Escherichia coli and Candida albicans reveals a soluble fungicidal factor. Microbial Cell, 2018, 5, 249-255.	1.4	44
28	Production of recombinant proteins in Escherichia coli tagged with the fusion protein CusF3H+. Protein Expression and Purification, 2017, 132, 44-49.	0.6	12
29	Synergistic Antimicrobial Effects of Silver/Transition-metal Combinatorial Treatments. Scientific Reports, 2017, 7, 903.	1.6	69
30	Expression and purification of recombinant proteins in Escherichia coli tagged with the metal-binding protein CusF. Protein Expression and Purification, 2016, 121, 61-65.	0.6	14
31	Recombinant protein production data after expression in the bacterium Escherichia coli. Data in Brief, 2016, 7, 502-508.	0.5	4
32	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.	0.6	27
33	Metal-Induced Production of a Novel Bioadsorbent Exopolysaccharide in a Native Rhodotorula mucilaginosa from the Mexican Northeastern Region. PLoS ONE, 2016, 11, e0148430.	1.1	19
34	Bactericidal Antibiotics Induce Mitochondrial Dysfunction and Oxidative Damage in Mammalian Cells. Science Translational Medicine, 2013, 5, 192ra85.	5.8	391
35	Silver Enhances Antibiotic Activity Against Gram-Negative Bacteria. Science Translational Medicine, 2013, 5, 190ra81.	5.8	574
36	Bioinspired synthesis of optically and thermally responsive nanoporous membranes. NPC Asia Materials, 2013, 5, e52-e52.	3.8	22

#	ARTICLE	IF	CITATIONS
37	Room temperature synthesis of an optically and thermally responsive hybrid PNIPAM-gold nanoparticle. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1401-1414.	0.8	17
38	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.	0.7	5
39	Environmentally Sensitive Silver Nanoparticles of Controlled Size Synthesized with PNIPAM as a Nucleating and Capping Agent. <i>Langmuir</i> , 2007, 23, 8180-8186.	1.6	67
40	The bactericidal effect of silver nanoparticles. <i>Nanotechnology</i> , 2005, 16, 2346-2353.	1.3	5,457
41	Interaction of silver nanoparticles with HIV-1. <i>Journal of Nanobiotechnology</i> , 2005, 3, 6.	4.2	1,271