

Wilton R Lustrì

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,611
citations

361413

20
h-index

302126

39
g-index

66
all docs

66
docs citations

66
times ranked

2516
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A multipurpose natural and renewable polymer in medical applications: Bacterial cellulose. <i>Carbohydrate Polymers</i> , 2016, 153, 406-420. | 10.2 | 250 |
| 2 | Antimicrobial Bacterial Cellulose-Silver Nanoparticles Composite Membranes. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-8. | 2.7 | 178 |
| 3 | Hydrothermal synthesis of bacterial cellulose-copper oxide nanocomposites and evaluation of their antimicrobial activity. <i>Carbohydrate Polymers</i> , 2018, 179, 341-349. | 10.2 | 94 |
| 4 | eIF5A binds to translational machinery components and affects translation in yeast. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1358-1366. | 2.1 | 88 |
| 5 | Komagataeibacter rhaeticus grown in sugarcane molasses-supplemented culture medium as a strategy for enhancing bacterial cellulose production. <i>Industrial Crops and Products</i> , 2018, 122, 637-646. | 5.2 | 74 |
| 6 | Pt(II) and Ag(I) complexes with acesulfame: Crystal structure and a study of their antitumoral, antimicrobial and antiviral activities. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 533-540. | 3.5 | 70 |
| 7 | Silver complexes with sulfathiazole and sulfamethoxazole: Synthesis, spectroscopic characterization, crystal structure and antibacterial assays. <i>Polyhedron</i> , 2015, 85, 437-444. | 2.2 | 62 |
| 8 | Biossíntese e recentes avanços na produção de celulose bacteriana. <i>Ecletica Quimica</i> , 2010, 35, 165-178. | 0.5 | 53 |
| 9 | Characterization of bilayer bacterial cellulose membranes with different fiber densities: a promising system for controlled release of the antibiotic ceftriaxone. <i>Cellulose</i> , 2016, 23, 737-748. | 4.9 | 42 |
| 10 | Synthesis, spectroscopic characterization, DFT studies and antibacterial assays of a novel silver(I) complex with the anti-inflammatory nimesulide. <i>Polyhedron</i> , 2012, 36, 112-119. | 2.2 | 40 |
| 11 | Synthesis, crystallographic studies, high resolution mass spectrometric analyses and antibacterial assays of silver(I) complexes with sulfisoxazole and sulfadimethoxine. <i>Polyhedron</i> , 2017, 121, 172-179. | 2.2 | 36 |
| 12 | A silver complex with tryptophan: Synthesis, structural characterization, DFT studies and antibacterial and antitumor assays in vitro. <i>Journal of Molecular Structure</i> , 2013, 1031, 125-131. | 3.6 | 33 |
| 13 | Synthesis, characterization and in vitro biological assays of a silver(I) complex with 5-fluorouracil: A strategy to overcome multidrug resistant tumor cells. <i>Journal of Fluorine Chemistry</i> , 2017, 195, 93-101. | 1.7 | 32 |
| 14 | Silver(I) and gold(I) complexes with penicillamine: Synthesis, spectroscopic characterization and biological studies. <i>Polyhedron</i> , 2012, 34, 210-214. | 2.2 | 29 |
| 15 | Sulfonamide-containing copper(II) metallonucleases: Correlations with in vitro antimycobacterial and antiproliferative activities. <i>Journal of Inorganic Biochemistry</i> , 2018, 187, 85-96. | 3.5 | 29 |
| 16 | Synthesis, spectroscopic characterization, DFT studies, and initial antibacterial assays <i>in vitro</i> of a new palladium(II) complex with tryptophan. <i>Journal of Coordination Chemistry</i> , 2012, 65, 1700-1711. | 2.2 | 26 |
| 17 | Synthesis, spectroscopic characterization, crystallographic studies and antibacterial assays of new copper(II) complexes with sulfathiazole and nimesulide. <i>Journal of Molecular Structure</i> , 2016, 1112, 14-20. | 3.6 | 26 |
| 18 | Chemical, spectroscopic characterization, and in vitro antibacterial studies of a new gold(I) complex with N-acetyl-L-cysteine. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1390-1397. | 2.2 | 24 |

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|----|--|-----|-----------|
| 19 | Chemical, spectroscopic characterization, DFT studies and initial pharmacological assays of a silver(I) complex with N-acetyl-L-cysteine. <i>Polyhedron</i> , 2011, 30, 579-583. | 2.2 | 24 |
| 20 | On the formation, physicochemical properties and antibacterial activity of colloidal systems containing tea tree (<i>Melaleuca alternifolia</i>) oil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 271-279. | 4.7 | 22 |
| 21 | Polynuclear copper(II) complexes with nalidixic acid hydrazones: Antiproliferative activity and selectivity assessment over a panel of tumor cells. <i>Inorganica Chimica Acta</i> , 2019, 484, 491-502. | 2.4 | 22 |
| 22 | Chemical, spectroscopic characterization and antibacterial activities in vitro of a novel gold(I)-ibuprofen complex. <i>Inorganic Chemistry Communication</i> , 2011, 14, 738-740. | 3.9 | 20 |
| 23 | Silver(I) and gold(I) complexes with sulfasalazine: Spectroscopic characterization, theoretical studies and antiproliferative activities over Gram-positive and Gram-negative bacterial strains. <i>Journal of Molecular Structure</i> , 2020, 1214, 128158. | 3.6 | 20 |
| 24 | Synthesis, spectroscopic characterization, DFT studies and biological assays of a novel gold(I) complex with 2-mercaptothiazoline. <i>Polyhedron</i> , 2011, 30, 2354-2359. | 2.2 | 18 |
| 25 | Crystal structure, spectroscopic characterization and antibacterial activities of a silver complex with sulfameter. <i>Journal of Molecular Structure</i> , 2016, 1125, 609-615. | 3.6 | 17 |
| 26 | Pt(II) and Pd(II) complexes with ibuprofen hydrazide: Characterization, theoretical calculations, antibacterial and antitumor assays and studies of interaction with CT-DNA. <i>Journal of Molecular Structure</i> , 2018, 1154, 469-479. | 3.6 | 17 |
| 27 | A new palladium(II) complex with ibuprofen: Spectroscopic characterization, DFT studies, antibacterial activities and interaction with biomolecules. <i>Journal of Molecular Structure</i> , 2019, 1186, 144-154. | 3.6 | 17 |
| 28 | Sulfonamide-containing copper(II) complexes: new insights on biophysical interactions and antibacterial activities. <i>New Journal of Chemistry</i> , 2020, 44, 17236-17244. | 2.8 | 17 |
| 29 | Palladium(II) complex with S-allyl-L-cysteine: New solid-state NMR spectroscopic measurements, molecular modeling and antibacterial assays. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 313-318. | 3.9 | 16 |
| 30 | Silver sulfadoxinate: Synthesis, structural and spectroscopic characterizations, and preliminary antibacterial assays in vitro. <i>Journal of Molecular Structure</i> , 2015, 1082, 180-187. | 3.6 | 15 |
| 31 | Synthesis, characterization and preliminary antimicrobial assays of copper(II) complexes with 2-(imidazole-2-yl)heteroaryl ligands. <i>Inorganica Chimica Acta</i> , 2017, 458, 224-232. | 2.4 | 15 |
| 32 | Copper(II) and silver(I) complexes with sulfamethizole: synthesis, spectroscopic characterization, ESI-QTOF mass spectrometric analysis, crystal structure and antibacterial activities. <i>Polyhedron</i> , 2017, 138, 168-176. | 2.2 | 15 |
| 33 | Antibacterial activities and antiproliferative assays over a tumor cells panel of a silver complex with 4-aminobenzoic acid: Studies in vitro of sustained release using bacterial cellulose membranes as support. <i>Journal of Inorganic Biochemistry</i> , 2020, 212, 111247. | 3.5 | 15 |
| 34 | Incidence of Non-O1 <i>Vibrio cholerae</i> and <i>Aeromonas</i> spp. in Fresh Water in Araraquara, Brazil. <i>Current Microbiology</i> , 1998, 37, 28-31. | 2.2 | 13 |
| 35 | Microbial Cellulose – Biosynthesis Mechanisms and Medical Applications. , 2015, , . | | 13 |
| 36 | Spectroscopic characterization and biological studies in vitro of a new silver complex with furosemide: Prospective of application as an antimicrobial agent. <i>Journal of Molecular Structure</i> , 2017, 1134, 386-394. | 3.6 | 13 |

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|----|---|-----|-----------|
| 37 | Linear gold(I) complex with tris-(2-carboxyethyl)phosphine (TCEP): Selective antitumor activity and inertness toward sulfur proteins. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 104-115. | 3.5 | 13 |
| 38 | Influence of chemical and physical conditions in selection of <i>Gluconacetobacter hansenii</i> ATCC 23769 strains with high capacity to produce bacterial cellulose for application as sustained antimicrobial drug-release supports. <i>Journal of Applied Microbiology</i> , 2018, 125, 777-791. | 3.1 | 13 |
| 39 | Synthesis, spectroscopic studies, and preliminary antibacterial assays of a palladium(II) complex with 2-mercaptothiazoline. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3092-3101. | 2.2 | 11 |
| 40 | Synthesis, crystallographic studies, molecular modeling and in vitro biological studies of silver(I) complexes with aminoadamantane ligands. <i>Polyhedron</i> , 2019, 173, 1141-116. | 2.2 | 11 |
| 41 | Synthesis, crystal structures, DFT studies, antibacterial assays and interaction assessments with biomolecules of new platinum(II) complexes with adamantane derivatives. <i>New Journal of Chemistry</i> , 2020, 44, 11546-11556. | 2.8 | 11 |
| 42 | Silver Nimesulide Complex in Bacterial Cellulose Membranes as an Innovative Therapeutic Method for Topical Treatment of Skin Squamous Cell Carcinoma. <i>Pharmaceutics</i> , 2022, 14, 462. | 4.5 | 8 |
| 43 | Synthesis, spectroscopic characterization, and antibacterial assays <i>in vitro</i> of a new platinum(II) complex with methionine sulfoxide. <i>Journal of Coordination Chemistry</i> , 2011, 64, 272-280. | 2.2 | 6 |
| 44 | A Silver Complex with Cycloserine: Synthesis, Spectroscopic Characterization, Crystal Structure and In Vitro Biological Studies. <i>ChemistrySelect</i> , 2018, 3, 1719-1726. | 1.5 | 6 |
| 45 | Silver complexes with fluoroanthranilic acid isomers: Spectroscopic characterization, antimycobacterial activity and cytotoxic studies over a panel of tumor cells. <i>Inorganica Chimica Acta</i> , 2020, 502, 119293. | 2.4 | 6 |
| 46 | Chemical, spectroscopic characterization, molecular modeling and antibacterial activity assays of a silver (I) complex with succinic acid. <i>Eletica Quimica</i> , 2021, 46, 26-35. | 0.5 | 6 |
| 47 | The nitro-reduced metabolite of nimesulide: Crystal structure, spectroscopic characterization, ESI-QTOF mass spectrometric analysis and antibacterial evaluation. <i>Journal of Molecular Structure</i> , 2018, 1157, 469-475. | 3.6 | 5 |
| 48 | Hydroalcoholic Extract of <i>Myrcia bella</i> Loaded into a Microemulsion System: A Study of Antifungal and Mutagenic Potential. <i>Planta Medica</i> , 2022, 88, 405-415. | 1.3 | 5 |
| 49 | A novel water-soluble platinum(II) complex with the amino acid deoxyalliin: synthesis, crystal structure, theoretical studies and investigations about its antibacterial activity. <i>Journal of Molecular Structure</i> , 2021, 1236, 130316. | 3.6 | 2 |
| 50 | Biosynthesis and recent advances in production of bacterial cellulose. <i>Eletica Quimica</i> , 0, 35, 165. | 0.5 | 2 |
| 51 | Investigating the antiproliferative activities of new CuII complexes with pyridine hydrazone derivatives of nalidixic acid. <i>Journal of Inorganic Biochemistry</i> , 2022, 234, 111881. | 3.5 | 2 |
| 52 | Production of sphere-like bacterial cellulose in cultivation media with different carbon sources: a promising sustained release system of rifampicin. <i>Cellulose</i> , 2022, 29, 6077-6092. | 4.9 | 2 |
| 53 | Synthesis, spectroscopic characterization and molecular modeling of a tetranuclear platinum(II) complex with thiazolidine-4-carboxylic acid. <i>Journal of Molecular Structure</i> , 2012, 1019, 21-26. | 3.6 | 1 |
| 54 | Biopolímeros: aplicações farmacêutica e biomédica. <i>Eletica Quimica</i> , 2016, 41, 01-31. | 0.5 | 1 |

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|----|---|-----|-----------|
| 55 | Bacterial cellulose: Application as drug delivery system. International Journal of Advances in Medical Biotechnology - IJAMB, 2018, 1, 7. | 0.2 | 1 |
| 56 | In vitro antibacterial activity of the leucocyte and platelet-rich fibrin clot exudate (L-PRF). FASEB Journal, 2013, 27, 1217.32. | 0.5 | 0 |
| 57 | Viability of the Bilayer Bacterial Cellulose Membrane as a Biological Support for use in Tissue Engineering and Regenerative Medicine. FASEB Journal, 2015, 29, LB49. | 0.5 | 0 |
| 58 | Síntese, caracterização e ensaios de atividade antibacteriana de um novo complexo de prata(I) com acetazolamida. , 0, , . | | 0 |
| 59 | Síntese, caracterização e ensaios de atividade antibacteriana de um complexo inóditado de cobre(II) com sulfametizol. , 0, , . | | 0 |
| 60 | Avaliação da atividade antibacteriana de complexos de prata e cobre com sulfametazina. , 0, , . | | 0 |