

Rodrigo L O R Cunha

List of Publications by Year in descending order

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63
papers

1,346
citations

393982

19
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377514

34
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74
docs citations

74
times ranked

1653
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A glimpse on biological activities of tellurium compounds. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 393-407. | 0.3 | 152 |
| 2 | Blockade of MIF-CD74 Signalling on Macrophages and Dendritic Cells Restores the Antitumour Immune Response Against Metastatic Melanoma. <i>Frontiers in Immunology</i> , 2018, 9, 1132. | 2.2 | 109 |
| 3 | Tellurium-based cysteine protease inhibitors: evaluation of novel organotellurium(IV) compounds as inhibitors of human cathepsin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 755-760. | 1.0 | 103 |
| 4 | In vitro antileishmanial and antitrypanosomal activities of flavanones from <i>Baccharis retusa</i> DC. (Asteraceae). <i>Experimental Parasitology</i> , 2012, 130, 141-145. | 0.5 | 92 |
| 5 | Suzuki-Miyaura Cross-Coupling Reactions of Aryl Tellurides with Potassium Aryltrifluoroborate Salts. <i>Journal of Organic Chemistry</i> , 2006, 71, 244-250. | 1.7 | 74 |
| 6 | Cytotoxicity of phenothiazine derivatives associated with mitochondrial dysfunction: A structure-activity investigation. <i>Toxicology</i> , 2015, 330, 44-54. | 2.0 | 46 |
| 7 | In Vitro and In Vivo Activity of a Palladacycle Complex on <i>Leishmania (Leishmania) amazonensis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1626. | 1.3 | 45 |
| 8 | Bcl-2 expression and apoptosis induction in human HL60 leukaemic cells treated with a novel organotellurium(IV) compound RT-04. <i>Food and Chemical Toxicology</i> , 2008, 46, 2540-2545. | 1.8 | 39 |
| 9 | Addition Reaction of p-Methoxyphenyltellurium Trichloride to 3-Hydroxy Alkynes. <i>Organometallics</i> , 1999, 18, 803-806. | 1.1 | 37 |
| 10 | Antibodies as Crypts of Antiinfective and Antitumor Peptides. <i>Current Medicinal Chemistry</i> , 2009, 16, 2305-2323. | 1.2 | 36 |
| 11 | Protective effect of the organotelluroxetane RF-07 in pilocarpine-induced status epilepticus. <i>Neurobiology of Disease</i> , 2008, 31, 120-126. | 2.1 | 35 |
| 12 | A Novel Organotellurium Compound (RT-01) as a New Antileishmanial Agent. <i>Korean Journal of Parasitology</i> , 2009, 47, 213. | 0.5 | 35 |
| 13 | Revisiting the addition reaction of TeCl ₄ to alkynes: The crystal structure and docking studies of 1-chloro-2-trichlorotelluro-3-phenyl-propen-2-ol. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4807-4815. | 0.8 | 34 |
| 14 | In Vitro and In Vivo Activity of an Organic Tellurium Compound on <i>Leishmania (Leishmania) chagasi</i> . <i>PLoS ONE</i> , 2012, 7, e48780. | 1.1 | 34 |
| 15 | Irreversible inhibition of human cathepsins B, L, S and K by hypervalent tellurium compounds. <i>Biological Chemistry</i> , 2009, 390, 1205-1212. | 1.2 | 33 |
| 16 | preADMET analysis and clinical aspects of dogs treated with the Organotellurium compound RF07: A possible control for canine visceral leishmaniasis?. <i>Environmental Toxicology and Pharmacology</i> , 2020, 80, 103470. | 2.0 | 33 |
| 17 | Organotellurane-Promoted Mitochondrial Permeability Transition Concomitant with Membrane Lipid Protection against Oxidation. <i>Chemical Research in Toxicology</i> , 2007, 20, 1453-1461. | 1.7 | 30 |
| 18 | Structure-activity relationships of hypervalent organochalcogenanes as inhibitors of cysteine cathepsins V and S. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2009-2014. | 1.4 | 27 |

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|----|---|-----|-----------|
| 19 | Antitrypanosomal activity and evaluation of the mechanism of action of dehydrodieugenol isolated from <i>Nectandra leucantha</i> (Lauraceae) and its methylated derivative against <i>Trypanosoma cruzi</i> . <i>Phytomedicine</i> , 2017, 24, 62-67. | 2.3 | 26 |
| 20 | Natural Products from <i>Garcinia brasiliensis</i> as <i>Leishmania</i> Protease Inhibitors. <i>Journal of Medicinal Food</i> , 2011, 14, 557-562. | 0.8 | 21 |
| 21 | Biocatalysis for desymmetrization and resolution of stereocenters beyond the reactive center: How far is far enough?. <i>Biotechnology Advances</i> , 2015, 33, 614-623. | 6.0 | 21 |
| 22 | A tellurium-based cathepsin B inhibitor: Molecular structure, modelling, molecular docking and biological evaluation. <i>Journal of Molecular Structure</i> , 2012, 1013, 11-18. | 1.8 | 19 |
| 23 | Selectivity aspects of the ring opening reaction of 2-alkenyl aziridines by carbon nucleophiles. <i>Tetrahedron Letters</i> , 2005, 46, 2539-2542. | 0.7 | 18 |
| 24 | The Ig V H complementarity-determining region 3-containing Rb9 peptide, inhibits melanoma cells migration and invasion by interactions with Hsp90 and an adhesion G-protein coupled receptor. <i>Peptides</i> , 2016, 85, 1-15. | 1.2 | 17 |
| 25 | ⁷⁷ Se and ¹²⁵ Te NMR spectroscopy for enantiopurity determination of chalcogen amines. <i>Tetrahedron Letters</i> , 2016, 57, 4556-4559. | 0.7 | 16 |
| 26 | Stability Study of Hypervalent Tellurium Compounds in Aqueous Solutions. <i>ACS Omega</i> , 2017, 2, 4431-4439. | 1.6 | 16 |
| 27 | One-pot synthesis of aryl butyl tellurides from tellurium tetrachloride and activated aromatics through a solventless step. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3631-3636. | 0.8 | 15 |
| 28 | Tellurium in organic synthesis: an approach to the synthesis of (Z,E)-dienic precursors of insect pheromones. <i>Tetrahedron Letters</i> , 2006, 47, 7147-7148. | 0.7 | 15 |
| 29 | Chemoenzymatic synthesis of organoselenium(IV) compounds and their evaluation as cysteine protease inhibitors. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 2108-2118. | 0.6 | 14 |
| 30 | Specific effects of reactive thiol drugs on mitochondrial bioenergetics. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 11-18. | 1.0 | 14 |
| 31 | Hypervalent organotellurium compounds as inhibitors of <i>P. falciparum</i> calcium-dependent cysteine proteases. <i>Parasitology International</i> , 2016, 65, 20-22. | 0.6 | 14 |
| 32 | Poliovirus 3C proteinase inhibition by organotelluranes. <i>Biological Chemistry</i> , 2011, 392, 587-91. | 1.2 | 13 |
| 33 | Highly efficient palladium-catalyzed Suzuki-Miyaura reactions of potassium aryltrifluoroborates with 5-iodo-1,3-dioxin-4-ones in water: an approach to \pm -aryl- β -ketoesters. <i>Tetrahedron</i> , 2010, 66, 773-779. | 1.0 | 12 |
| 34 | Supramolecular self-assembly through tellurium-halogen secondary bonds: A hexagonal grid of Te ₂ Cl ₂ and Te ₆ Cl ₆ rings in the solid state structure of 1,1,3-trichloro-2,4,5,6-tetrahydro-1H-1,4-benzo[b]tellurophene. <i>Canadian Journal of Chemistry</i> , 2002, 80, 1530-1537. | 0.6 | 9 |
| 35 | Electrospray ionization mass spectrometric characterization of key Te(IV) cationic intermediates for the addition of TeCl ₄ to alkynes. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1479-1484. | 0.7 | 9 |
| 36 | Arylbutyltellurides as precursors of dilithium arylthienylcyanocuprates in a straightforward approach to phenethylamine derivatives. <i>Tetrahedron Letters</i> , 2008, 49, 873-875. | 0.7 | 9 |

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|----|---|-----|-----------|
| 37 | Thioridazine inhibits gene expression control of the cell wall signaling pathway (CWI) in the human pathogenic fungus <i>Paracoccidioides brasiliensis</i> . <i>Molecular Genetics and Genomics</i> , 2016, 291, 1347-1362. | 1.0 | 9 |
| 38 | The electronic delocalization in <i>p</i> -substituted β -nitrostyrenes probed by resonance Raman spectroscopy and quantum-chemical calculations. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 453-459. | 1.2 | 7 |
| 39 | A new minor dimmeric ester from seeds of <i>Cassia fistula</i> L. (Leguminosae). <i>Natural Product Research</i> , 2012, 26, 36-41. | 1.0 | 7 |
| 40 | Antitumor effect of chiral organotelluranes elicited in a murine melanoma model. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2537-2545. | 1.4 | 7 |
| 41 | Effects of Trichlorotelluro-dynones on Mitochondrial Bioenergetics and Their Relationship to the Reactivity with Protein Thiols. <i>Chemical Research in Toxicology</i> , 2015, 28, 1167-1175. | 1.7 | 5 |
| 42 | Specific calpain activity evaluation in <i>Plasmodium</i> parasites. <i>Analytical Biochemistry</i> , 2015, 468, 22-27. | 1.1 | 5 |
| 43 | Benzyltriethylammonium 2,2,2,4-tetrachloro-2,5-dihydro-1,2,5-oxatellurole. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 897-898. | 0.4 | 4 |
| 44 | Crystallographic and docking (Cathepsins B, K, L and S) studies on bioactive halotelluroxetanes. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 113-124. | 0.4 | 4 |
| 45 | Development of a methodology for reversible chemical modification of silicon surfaces with application in nanomechanical biosensors. <i>Biosensors and Bioelectronics</i> , 2019, 137, 287-293. | 5.3 | 4 |
| 46 | A study on the enzyme catalysed enantioselective hydrolysis of methyl 2-methyl-4-oxopentanoate, a precursor of chiral <i>l</i> -butyrolactones. <i>Biocatalysis and Biotransformation</i> , 2019, 37, 115-123. | 1.1 | 4 |
| 47 | Molecular, Biological and Structural Features of VL CDR-1 Rb44 Peptide, Which Targets the Microtubule Network in Melanoma Cells. <i>Frontiers in Oncology</i> , 2019, 9, 25. | 1.3 | 3 |
| 48 | Dichloro[(E)-2-chloro-1-(2-hydroxyprop-2-yl)vinyl](4-methoxyphenyl)tellurium(IV). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1339-1342. | 0.4 | 2 |
| 49 | Acetylodichloro[(Z)-2-chloro-1-methyl-2-phenylethenyl]tellurium(IV). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1930-1932. | 0.4 | 2 |
| 50 | Construcción de Relaciones entre Conceptos Relativos al Campo Estructural y al Campo de Cinética Química por Estudiantes de Pregrado en la Aceptación de la Teoría de los Campos Conceptuales. <i>Educación Química</i> , 2018, 29, 48. | 0.1 | 2 |
| 51 | Antileishmanial Effects of Acetylene Acetogenins from Seeds of <i>Porcelia macrocarpa</i> (Warm.) R.E. Fries (Annonaceae) and Semisynthetic Derivatives. <i>Molecules</i> , 2022, 27, 893. | 1.7 | 2 |
| 52 | Acetylodichloro[(Z)-2-chloro-2-phenylvinyl]tellurium(IV), helical chains of metal complexes. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 749-750. | 0.4 | 1 |
| 53 | 1-Butyl-1-chloro-3-methyl-3- <i>H</i> -2,1 λ -4-benzoxatellurole: crystal structure and Hirshfeld analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 564-568. | 0.2 | 1 |
| 54 | CPP-Ala-Ala-Tyr-PABA inhibitor analogs with improved selectivity for neurolysin or thimet oligopeptidase. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 368-373. | 1.0 | 1 |

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| 55 | Equilibrium between tri- and tetra-coordinate chalcogenuranes is critical for cysteine protease inhibition. <i>Journal of Computational Chemistry</i> , 2021, 42, 1225-1235. | 1.5 | 1 |
| 56 | Antiproliferative and Genotoxic Action of an Underexploited Organotelluran Derivative on Sarcoma 180 Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 1019-1026. | 0.9 | 1 |
| 57 | One-Pot Synthesis of Aryl Butyl Tellurides from Tellurium Tetrachloride and Activated Aromatics Through a Solventless Step.. <i>ChemInform</i> , 2005, 36, no. | 0.1 | 0 |
| 58 | Yeast Tsa1 as a Prototype Enzyme for the Screening of Fungal Typical 2-Cys Prx Inhibitors. <i>Free Radical Biology and Medicine</i> , 2020, 159, S73. | 1.3 | 0 |
| 59 | Crystal structures and docking studies in cathepsin S of bioactive 1,3-bis(diphenyl(4-(trichloro(4-tellanyl)but-2-en-1-yl)oxy)phenyl)butane derivatives. <i>Journal of Molecular Structure</i> , 2021, 1244, 0130935. | 0.1 | 0 |
| 60 | Enzymatic kinetic resolution of methyl 2-methyl-4-oxopentanoate. , 0, , . | | 0 |
| 61 | Organoselenium functionalized nitrogen heterocycles: a proposition for new antimalarials.. , 0, , . | | 0 |
| 62 | Improved singlet oxygen generation in Rhenium(I) complexes functionalized with a pyridinyl selenoether ligand. <i>Polyhedron</i> , 2021, 211, 115548. | 1.0 | 0 |
| 63 | Crystal structure of (E)-dichloro(1-chloro-3-methoxyprop-1-en-2-yl)(4-methoxyphenyl)-tellane, C ₁₁ H ₁₃ Cl ₃ O ₂ Te. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 1535-1537. | 0.1 | 0 |