# Eduardo Borges de Melo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5963202/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 38 papers | 936 citations | 623734 14 h-index | 454955 30 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 1508 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Î±- and Î²-Glucosidase inhibitors: chemical structure and biological activity. Tetrahedron, 2006, 62, 10277-10302. | 1.9 | 490 |
| 2 | Development and characterization of lipid-polymeric nanoparticles for oral insulin delivery. Expert Opinion on Drug Delivery, 2018, 15, 213-222. | 5.0 | 35 |
| 3 | Multivariate QSAR study of 4,5-dihydroxypyrimidine carboxamides as HIV-1 integrase inhibitors. European Journal of Medicinal Chemistry, 2009, 44, 3577-3583. | 5.5 | 29 |
| 4 | Multivariate SAR/QSAR of 3-aryl-4-hydroxyquinolin-2(1H)-one derivatives as type I fatty acid synthase (FAS) inhibitors. European Journal of Medicinal Chemistry, 2010, 45, 5817-5826. | 5.5 | 29 |
| 5 | Synthesis and SAR of new isoxazole-triazole bis-heterocyclic compounds as analogues of natural lignans with antiparasitic activity. Bioorganic and Medicinal Chemistry, 2018, 26, 4850-4862. | 3.0 | 27 |
| 6 | A new quantitative structureâ€“property relationship model to predict bioconcentration factors of polychlorinated biphenyls (PCBs) in fishes using E-state index and topological descriptors. Ecotoxicology and Environmental Safety, 2012, 75, 213-222. | 6.0 | 26 |
| 7 | 1,2,3-Triazole-based analogue of benznidazole displays remarkable activity against Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2015, 23, 6815-6826. | 3.0 | 26 |
| 8 | Four-Dimensional Structureâ€“Activity Relationship Model to Predict HIV-1 Integrase Strand Transfer Inhibition using LQTA-QSAR Methodology. Journal of Chemical Information and Modeling, 2012, 52, 1722-1732. | 5.4 | 25 |
| 9 | Modeling structureâ€“activity relationships of prodiginines with antimalarial activity using GA/MLR and OPS/PLS. Journal of Molecular Graphics and Modelling, 2014, 54, 19-31. | 2.4 | 24 |
| 10 | Multivariate QSAR study on the antimutagenic activity of flavonoids against 3-NFA on Salmonella typhimurium TA98. European Journal of Medicinal Chemistry, 2010, 45, 4562-4569. | 5.5 | 22 |
| 11 | An alternative approach for the use of water solubility of nonionic pesticides in the modeling of the soil sorption coefficients. Water Research, 2014, 53, 191-199. | 11.3 | 22 |
| 12 | Synthesis and 2D-QSAR studies of neolignan-based diaryl-tetrahydrofuran and -furan analogues with remarkable activity against Trypanosoma cruzi and assessment of the trypanothione reductase activity. European Journal of Medicinal Chemistry, 2017, 140, 187-199. | 5.5 | 20 |
| 13 | The effect of different logÂP algorithms on the modeling of the soil sorption coefficient of nonionic pesticides. Water Research, 2013, 47, 5751-5759. | 11.3 | 17 |
| 14 | Multivariate SAR and QSAR of cucurbitacin derivatives as cytotoxic compounds in a human lung adenocarcinoma cell line. Journal of Molecular Graphics and Modelling, 2014, 48, 70-79. | 2.4 | 15 |
| 15 | Synthesis and anti-Mycobacterium tuberculosis activity of imide-Î²-carboline and carbomethoxy-Î²-carboline derivatives. European Journal of Medicinal Chemistry, 2020, 187, 111935. | 5.5 | 15 |
| 16 | A structureâ€“activity relationship study of the toxicity of ionic liquids using an adapted Ferreiraâ€“Kiralj hydrophobicity parameter. Physical Chemistry Chemical Physics, 2015, 17, 4516-4523. | 2.8 | 14 |
| 17 | Insights on 3D Structures of Potential Drugâ€targeting Proteins of SARSâ€CoVâ€2: Application of Cavity Search and Molecular Docking. Molecular Informatics, 2021, 40, e2000096. | 2.5 | 13 |
| 18 | A QSAR Study of Matrix Metalloproteinases Type 2 (MMP-2) Inhibitors with Cinnamoyl Pyrrolidine Derivatives. Scientia Pharmaceutica, 2012, 80, 265-281. | 2.0 | 10 |

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|---|---|---|---|
| 19 | SMILES-based 2D-QSAR and similarity search for identification of potential new scaffolds for development of SARS-CoV-2 MPRO inhibitors. Structural Chemistry, 2022, 33, 1691-1706. | 2.0 | 10 |
| 20 | A QSAR study of integrase strand transfer inhibitors based on a large set of pyrimidine, pyrimidone, and pyridopyrazine carboxamide derivatives. Journal of Molecular Structure, 2017, 1141, 252-260. | 3.6 | 9 |
| 21 | alfa e <FONT FACE=Symbol>b-</FONT>glucosidases como alvos moleculares para desenvolvimento de fÃ¡rmacos. Quimica Nova, 2006, 29, 840-843. | 0.3 | 9 |
| 22 | Modeling physical and toxicity endpoints of alkyl (1-phenylsulfonyl) cycloalkane-carboxylates using the Ordered Predictors Selection (OPS) for variable selection and descriptors derived with SMILES. Chemometrics and Intelligent Laboratory Systems, 2012, 118, 79-87. | 3.5 | 7 |
| 23 | Novel coumarins active against Trypanosoma cruzi and toxicity assessment using the animal model Caenorhabditis elegans. BMC Pharmacology & Toxicology, 2019, 20, 76. | 2.4 | 7 |
| 24 | A bestâ€‹ comprehension about the toxicity of phenylsulfonyl carboxylates in Vibrio fischeri using quantitative structure activity/property relationship methods. Journal of Hazardous Materials, 2016, 304, 233-241. | 12.4 | 6 |
| 25 | Nonequivalent Effects of Diverse LogP Algorithms in Three QSAR Studies. QSAR and Combinatorial Science, 2009, 28, 1156-1165. | 1.4 | 5 |
| 26 | Influence of hyaluronic acid on the formation of isolated poly(vinyl acetate) films for oral solid coatings. Journal of Applied Polymer Science, 2017, 134, . | 2.6 | 4 |
| 27 | Synthesis of (+)-(2R,3S,4R)-2,3,4-trihydroxycyclohexanone from d-glucose. Carbohydrate Research, 2004, 339, 361-365. | 2.3 | 2 |
| 28 | A new, fully validated and interpreted quantitative structure-activity relationship model of p-aminosalicylic acid derivatives as neuraminidase inhibitors. Chemical Papers, 2013, 67, . | 2.2 | 2 |
| 29 | COMPUTACIONAL STUDY OF 1H-IMIDAZOL-2-YL-PYRIMIDINE-4,6-DIAMINES FOR IDENTIFICATION OF POTENTIAL PARENT COMPOUNDS OF NEW ANTIMALARIAL AGENTS. Quimica Nova, 2016, , . | 0.3 | 2 |
| 30 | Quantitative structure-activity relationship and machine learning studies of 2-thiazolylhydrazone derivatives with anti-Cryptococcus neoformans activity. Journal of Biomolecular Structure and Dynamics, 2022, 40, 9789-9800. | 3.5 | 2 |
| 31 | Inibidores da HIV-integrase: potencial abordagem farmacolÃ³gica para tratamento da AIDS. Quimica Nova, 2006, 29, 555-562. | 0.3 | 1 |
| 32 | Molecular modelling and quantitative structure-activity relationship studies of anatoxin-a and epibatidine derivatives with affinity to rodent nAChR receptors. Chemical Papers, 2014, 68, . | 2.2 | 1 |
| 33 | In silico study toward the identification of new and safe potential inhibitors of photosynthetic electron transport. Ecotoxicology and Environmental Safety, 2018, 153, 175-180. | 6.0 | 1 |
| 34 | Synthesis of Nerol Derivatives Containing a 1,2,3-Triazole Moiety and Evaluation of Their Activities against Cancer Cell Lines. Journal of the Brazilian Chemical Society, 2018, , . | 0.6 | 1 |
| 35 | A QSAR Study of Human Thymidine Phosphorylase Inhibitors with SMILES-Based Descriptors. International Journal of Quantitative Structure-Property Relationships, 2016, 1, 85-100. | 0.5 | 0 |
| 36 | 4D-QSAR Study of 17Î²-Hydroxysteroid Dehydrogenase Type 3 Inhibitors. Journal of the Brazilian Chemical Society, 0, , . | 0.6 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | O potencial uso dos inibidores da proteÃna transportadora de dopamina no tratamento de transtornos neuropsiquiÃ¡tricos / The potential use of dopamine transport inhibitors in the treatment of neuropsychiatric disorders. Brazilian Journal of Health Review, 2021, 4, 12105-12128. | 0.1 | 0 |
| 38 | In silico Risk Assessment Studies of New Psychoactive Substances Derived from Amphetamines and Cathinones. Journal of the Brazilian Chemical Society, 0, , . | 0.6 | 0 |