

Ademir J Camargo

List of Publications by Year in descending order

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68
papers

900
citations

471477

17
h-index

501174

28
g-index

68
all docs

68
docs citations

68
times ranked

1187
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Title is missing!. Journal of Solution Chemistry, 2000, 29, 1047-1060. | 1.2 | 126 |
| 2 | Stereodynamical Origin of Anti-Arrhenius Kinetics: Negative Activation Energy and Roaming for a Four-Atom Reaction. Journal of Physical Chemistry Letters, 2015, 6, 1553-1558. | 4.6 | 63 |
| 3 | Ruthenium Tetraammines as a Model of Nitric Oxide Donor Compounds. European Journal of Inorganic Chemistry, 2004, 2004, 1879-1885. | 2.0 | 48 |
| 4 | Theoretical investigation of the intramolecular hydrogen bond formation, non-linear optic properties, and electronic absorption spectra of the 8-hydroxyquinoline. Computational and Theoretical Chemistry, 2007, 816, 145-151. | 1.5 | 46 |
| 5 | Synthesis, characterization, and computational study of a new dimethoxy-chalcone. Journal of Molecular Modeling, 2014, 20, 2526. | 1.8 | 42 |
| 6 | On-line mass spectrometry investigation of the reduction of carbon dioxide in acidic media on polycrystalline Pt. Electrochemistry Communications, 2001, 3, 603-607. | 4.7 | 40 |
| 7 | Stereodirectional Origin of <i>anti</i> -Arrhenius Kinetics for a Tetraatomic Hydrogen Exchange Reaction: Born-Oppenheimer Molecular Dynamics for OH + HBr. Journal of Physical Chemistry A, 2016, 120, 5408-5417. | 2.5 | 30 |
| 8 | Biological and structure-activity evaluation of chalcone derivatives against bacteria and fungi. Journal of the Brazilian Chemical Society, 2013, 24, 133-144. | 0.6 | 29 |
| 9 | Methanol Solvation Effect on the Proton Rearrangement of Curcumin's Enol Forms: An <i>Ab Initio</i> Molecular Dynamics and Electronic Structure Viewpoint. Journal of Physical Chemistry C, 2016, 120, 19923-19931. | 3.1 | 27 |
| 10 | A structure-activity relationship study of HEPT-analog compounds with anti-HIV activity. Computational and Theoretical Chemistry, 2000, 530, 39-47. | 1.5 | 26 |
| 11 | Reactivity of Radicals Generated on Irradiation of <i>trans</i> -[Ru(NH ₃) ₄ (NO ₂)P(OEt) ₃](PF ₆). Journal of the American Chemical Society, 2004, 126, 2546-2555. | 13.7 | 25 |
| 12 | A quantum chemical and statistical study of flavonoid compounds with anti-HIV activity. Computational and Theoretical Chemistry, 1999, 491, 123-131. | 1.5 | 24 |
| 13 | A multiple linear regression and partial least squares study of flavonoid compounds with anti-HIV activity. Computational and Theoretical Chemistry, 2001, 541, 81-88. | 1.5 | 24 |
| 14 | A quantum chemical and statistical study of flavonoid compounds (flavones) with anti-HIV activity. European Journal of Medicinal Chemistry, 2003, 38, 929-938. | 5.5 | 22 |
| 15 | Contribution of Directional Dihydrogen Interactions in the Supramolecular Assembly of Single Crystals: Quantum Chemical and Structural Investigation of C ₁₇ H ₁₇ N ₃ O ₂ Azine. Crystal Growth and Design, 2017, 17, 5145-5153. | 3.0 | 22 |
| 16 | Antioxidant effects of polyphenolic compounds and structure-activity relationship predicted by multivariate regression tree. LWT - Food Science and Technology, 2021, 137, 110366. | 5.2 | 20 |
| 17 | A structure-activity relationship (SAR) study of synthetic neolignans and related compounds with biological activity against <i>Escherichia coli</i> . Computational and Theoretical Chemistry, 2002, 583, 105-116. | 1.5 | 19 |
| 18 | A study of neolignan compounds with biological activity against <i>Paracoccidioides brasiliensis</i> by using quantum chemical and chemometric methods. Journal of the Brazilian Chemical Society, 2003, 14, 809-814. | 0.6 | 19 |

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|----|---|-----|-----------|
| 19 | A Structure-Activity Relationship (SAR) Study of Neolignan Compounds with Anti-schistosomiasis Activity. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 300-307. | 0.6 | 18 |
| 20 | Study of the Oâ€“Ruâ€“N bonding in trans-[Ru(NH ₃) ₄ (SO ₄)L] ⁺ complexes (L=imidazole, histidine and) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i> 2004, 357, 3147-3154. | 2.4 | 16 |
| 21 | Substitution effect on a hydroxylated chalcone: Conformational, topological and theoretical studies. <i>Journal of Molecular Structure</i> , 2017, 1136, 69-79. | 3.6 | 16 |
| 22 | Synthesis, structure, electronic and vibrational spectra of 9-(Diethylamino)-benzo(a)phenoxazin-7-ium-5-N-methacrylamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 3103-3111. | 3.9 | 15 |
| 23 | A quantum chemical and photophysical study of acridine-9-N-methacrylamide. <i>Computational and Theoretical Chemistry</i> , 2004, 674, 213-225. | 1.5 | 15 |
| 24 | Synthesis and structural studies on (<i>E</i>)-3-(2,6-difluorophenyl)-1-(4-fluorophenyl)prop-2-en-1-one: a promising nonlinear optical material. <i>RSC Advances</i> , 2020, 10, 22542-22555. | 3.6 | 15 |
| 25 | Structure characterization of molecular complexes for non-linear optical materials I. X-ray analysis and AM1 calculations of 1 : 1 complexes of 8-hydroxiquinoline (1) and isonicotinamide (2) with 2,4,6-trinitrophenol. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2003, 218, 575-580. | 0.8 | 12 |
| 26 | Theoretical investigation of nitric oxide interaction with aluminum phthalocyanine. <i>Journal of Molecular Graphics and Modelling</i> , 2011, 29, 777-783. | 2.4 | 9 |
| 27 | Synthesis, Antimicrobial Activity and Structure-Activity Relationship of Some 5-Arylidene-thiazolidine-2,4-dione Derivatives. <i>Journal of the Brazilian Chemical Society</i> , 0, , . | 0.6 | 8 |
| 28 | A quantum chemical and chemometrical study of indolo[2,1- <i>b</i>]quinazoline and their analogues with cytotoxic activity against breast cancer cells. <i>SAR and QSAR in Environmental Research</i>, 2009, 20, 537-549.</i> | 2.2 | 7 |
| 29 | Theoretical investigation of the interaction of glycerol with aluminum and magnesium phthalocyanines. <i>Journal of Molecular Graphics and Modelling</i> , 2010, 29, 206-213. | 2.4 | 7 |
| 30 | Synthesis, characterization, and computational study of the supramolecular arrangement of a novel cinnamic acid derivative. <i>Journal of Molecular Modeling</i> , 2017, 23, 35. | 1.8 | 7 |
| 31 | Explicit Aqueous Solvation Treatment of Epinephrine from Carâ€“Parrinello Molecular Dynamics: Effect of Hydrogen Bonding on the Electronic Absorption Spectrum. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8439-8450. | 2.6 | 7 |
| 32 | Molecular orbital calculations, experimental and theoretical UV spectra of granulatimides and didemnimides, biologically active polycyclic heteroaromatic alkaloids from the ascidian <i>Didemnum granulatum</i> . <i>Journal of Molecular Structure</i> , 2001, 559, 67-77. | 3.6 | 6 |
| 33 | X-ray diffraction and theoretical investigation of the Gedunin crystal structure. <i>Journal of Molecular Structure</i> , 2012, 1008, 83-87. | 3.6 | 6 |
| 34 | Conformation analysis of a novel fluorinated chalcone. <i>Journal of Molecular Modeling</i> , 2017, 23, 97. | 1.8 | 6 |
| 35 | Molecular modeling of cytotoxic activity of a new terpenoid-like bischalcone. <i>New Journal of Chemistry</i> , 2019, 43, 18451-18460. | 2.8 | 6 |
| 36 | Ab Initio Molecular Dynamics Simulations of Aqueous Glucosamine Solutions: Solvation Structure and Mechanism of Proton Transfer from Water to Amino Group. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6986-6997. | 2.6 | 6 |

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|----|---|-----|-----------|
| 37 | Effect of ortho- and para-chlorine substitution on hydroxychlorochalcone. <i>Journal of Molecular Modeling</i> , 2021, 27, 65. | 1.8 | 6 |
| 38 | Cyclohexanone-Based Chalcones as Alternatives for Fuel Additives. <i>ACS Omega</i> , 2022, 7, 11871-11886. | 3.5 | 6 |
| 39 | Structure-activity relationship study of rutaecarpine analogous active against central nervous system cancer. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 2183-2190. | 0.6 | 5 |
| 40 | Effect of the Methanol Molecule on the Stabilization of $C_{18}H_{18}O_4$ Crystal: Combined Theoretical and Structural Investigation. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10048-10056. | 2.5 | 5 |
| 41 | A novel dihydrocoumarin under experimental and theoretical characterization. <i>Journal of Molecular Modeling</i> , 2017, 23, 315. | 1.8 | 5 |
| 42 | Conformational variability in a new terpenoid-like bischalcone: Structure and theoretical studies. <i>Journal of Structural Chemistry</i> , 2013, 54, 1112-1121. | 1.0 | 4 |
| 43 | Aqueous solvation study of melatonin using ab initio molecular dynamics. <i>Journal of Molecular Liquids</i> , 2021, 343, 117451. | 4.9 | 4 |
| 44 | An Update on the Synthesis and Pharmacological Properties of Pyrazoles Obtained from Chalcone. <i>Current Organic Chemistry</i> , 2022, 26, 81-90. | 1.6 | 4 |
| 45 | Crystal, Molecular, and Electronic Structure of 1-Acetyl-indoline and Derivatives. <i>Structural Chemistry</i> , 1998, 9, 365-373. | 2.0 | 3 |
| 46 | Structural and Theoretical Investigation of Anhydrous 3,4,5-Triacetoxybenzoic Acid. <i>PLoS ONE</i> , 2016, 11, e0158029. | 2.5 | 3 |
| 47 | Structural studies on dihydropyrimidine derivatives as <i>Mycobacterium tuberculosis</i> coenzyme-A carboxylase inhibitors. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019, 234, 657-669. | 0.8 | 3 |
| 48 | A Comprehensive Topological Analysis of a Novel Flavonoid Extracted from Brazilian Cerrado Plants. <i>ChemistrySelect</i> , 2019, 4, 14012-14020. | 1.5 | 3 |
| 49 | A new isostructural halogenated chalcone with optical properties. <i>Journal of Molecular Modeling</i> , 2021, 27, 52. | 1.8 | 3 |
| 50 | Structure-activity relationship of tacrine and its analogues in relation to inhibitory activity against Alzheimer's disease. <i>Journal of Molecular Modeling</i> , 2019, 25, 116. | 1.8 | 2 |
| 51 | Synthesis, characterization, and computational study of a new heteroaryl chalcone. <i>Journal of Molecular Modeling</i> , 2020, 26, 243. | 1.8 | 2 |
| 52 | Aproximações da Mecânica Quântica no Estudo de Propriedades Moleculares. <i>Revista Processos Químicos</i> , 2009, 3, 9-16. | 0.0 | 2 |
| 53 | Molecular modeling and nonlinear optical properties of new isostructural halogenated dihydroquinolinones. <i>New Journal of Chemistry</i> , 2022, 46, 14192-14204. | 2.8 | 2 |
| 54 | Theoretical investigation on ruthenium tetraazaporphyrin as potential nitric oxide carrier in biological systems. <i>Journal of Molecular Modeling</i> , 2013, 19, 1727-1737. | 1.8 | 1 |

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|----|---|-----|-----------|
| 55 | Synthesis and Structural Studies of Two New Anthracene Derivatives. <i>Crystals</i> , 2021, 11, 934. | 2.2 | 1 |
| 56 | Estudo Químico Quântico da Adsorção dos Gases O ₂ e H ₂ sobre a Ftalocianina de Alumínio. <i>Revista Processos Químicos</i> , 2008, 2, 23-30. | 0.0 | 1 |
| 57 | Análise da difração dos Raios X. <i>Revista Processos Químicos</i> , 2007, 1, 35-45. | 0.0 | 1 |
| 58 | Halogen bonds on substituted dibromonitrobenzene derivatives. <i>Journal of Molecular Modeling</i> , 2020, 26, 319. | 1.8 | 0 |
| 59 | Structural insights of a potential inhibition against leishmania major. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c290-c290. | 0.3 | 0 |
| 60 | Estudo teórico químico-quântico das propriedades geométricas e físico-químicas das Ftalocianinas de Co, Cr, Cu, Mn, Ni, Fe, Sc, Ti, VO. <i>Revista Processos Químicos</i> , 2007, 1, 21-34. | 0.0 | 0 |
| 61 | Análise Quantitativa do Solvente em Cristais. <i>Revista Processos Químicos</i> , 2007, 1, 42-50. | 0.0 | 0 |
| 62 | Estudo Químico Quântico da Atividade da Indolo [2,1b] Quinazolina e seus Derivados Análogos Contra o Câncer de Mama. <i>Revista Processos Químicos</i> , 2008, 2, 51-61. | 0.0 | 0 |
| 63 | Dinâmica Molecular de Car-Parrinello. <i>Revista Processos Químicos</i> , 2009, 3, 59-72. | 0.0 | 0 |
| 64 | Estudo Teórico da Relação Estrutura Atividade da Indolo [2,1b] Quinazolina e seus Derivados Análogos Contra o Câncer de Ovario. <i>Revista Processos Químicos</i> , 2009, 3, 24-30. | 0.0 | 0 |
| 65 | A Quantum Chemical and Chemometrical Study of Styrylbenzylsulfones and their Analogues with Cytotoxic Activity against Prostate Cancer Cells. <i>Revista Virtual De Química</i> , 2016, 8, 506-514. | 0.4 | 0 |
| 66 | Estudo Teórico dos Parâmetros Estruturais da Cafeína no Vácuo Usando Dinâmica Molecular de Car-Parrinello. <i>Revista Processos Químicos</i> , 2017, 11, 17-24. | 0.0 | 0 |
| 67 | Theoretical Studies on the Glucosamine: A Systematic Review. <i>Revista Virtual De Química</i> , 2019, 11, 1835-1852. | 0.4 | 0 |
| 68 | Uma Revisão Sistemática sobre Interações de Halogênio em Derivados de Nitrobenzeno Substituídos. <i>Revista Processos Químicos</i> , 2019, 13, 23-30. | 0.0 | 0 |