MaurÃ-cio Temotheo Tavares

List of Publications by Year
in descending order

33 papers	566 citations	623574 14 h-index	642610 23 g-index
34 all docs	34 docs citations	34 times ranked	829 citing authors

#	Article	IF	Citations
1	Discovery of a New Isoxazole-3-hydroxamate-Based Histone Deacetylase 6 Inhibitor SS-208 with Antitumor Activity in Syngeneic Melanoma Mouse Models. Journal of Medicinal Chemistry, 2019, 62, 8557-8577.	2.9	61
2	Brain Penetrable Histone Deacetylase 6 Inhibitor SW-100 Ameliorates Memory and Learning Impairments in a Mouse Model of Fragile X Syndrome. ACS Chemical Neuroscience, 2019, 10, 1679-1695.	1.7	50
3	RPF101, a new capsaicin-like analogue, disrupts the microtubule network accompanied by arrest in the G2/M phase, inducing apoptosis and mitotic catastrophe in the MCF-7 breast cancer cells. Toxicology and Applied Pharmacology, 2013, 266, 385-398.	1.3	37
4	Evaluation of Protein Kinase Inhibitors with PLK4 Cross-Over Potential in a Pre-Clinical Model of Cancer. International Journal of Molecular Sciences, 2019, 20, 2112.	1.8	33
5	Dillapiole as Antileishmanial Agent: Discovery, Cytotoxic Activity and Preliminary SAR Studies of Dillapiole Analogues. Archiv Der Pharmazie, 2012, 345, 934-944.	2.1	30
6	Rational Design of Suprastat: A Novel Selective Histone Deacetylase 6 Inhibitor with the Ability to Potentiate Immunotherapy in Melanoma Models. Journal of Medicinal Chemistry, 2020, 63, 10246-10262.	2.9	29
7	Mercaptoacetamide: A promising zinc-binding group for the discovery of selective histone deacetylase 6 inhibitors. European Journal of Medicinal Chemistry, 2021, 209, 112887.	2.6	28
8	Oleanolic acid (OA) as an antileishmanial agent: Biological evaluation and in silico mechanistic insights. Parasitology International, 2016, 65, 227-237.	0.6	27
9	Cytotoxic effects of dillapiole on MDA-MB-231 cells involve the induction of apoptosis through the mitochondrial pathway by inducing an oxidative stress while altering the cytoskeleton network. Biochimie, 2014, 99, 195-207.	1.3	25
10	Synthesis and Pharmacological Evaluation of Selective Histone Deacetylase 6 Inhibitors in Melanoma Models. ACS Medicinal Chemistry Letters, 2017, 8, 1031-1036.	1.3	25
11	Environmentally Safe Condition for the Synthesis of Aryl and Alkyl Sulfonyl Hydrazones via One-Pot Reaction. ACS Sustainable Chemistry and Engineering, 2016, 4, 1899-1905.	3.2	22
12	Multi-Spectroscopic and Theoretical Analysis on the Interaction between Human Serum Albumin and a Capsaicin Derivativeâ€"RPF101. Biomolecules, 2018, 8, 78.	1.8	22
13	RPF151, a novel capsaicin-like analogue: in vitro studies and in vivo preclinical antitumor evaluation in a breast cancer model. Tumor Biology, 2015, 36, 7251-7267.	0.8	18
14	Synthesis, Molecular Modeling, and Evaluation of Novel Sulfonylhydrazones as Acetylcholinesterase Inhibitors for Alzheimer's Disease. Archiv Der Pharmazie, 2017, 350, 1700163.	2.1	17
15	Tetrahydroquinoline-Capped Histone Deacetylase 6 Inhibitor SW-101 Ameliorates Pathological Phenotypes in a Charcotâ€"Marieâ€"Tooth Type 2A Mouse Model. Journal of Medicinal Chemistry, 2021, 64, 4810-4840.	2.9	17
16	Capsaicin-like analogue induced selective apoptosis in A2058 melanoma cells: Design, synthesis and molecular modeling. Bioorganic and Medicinal Chemistry, 2019, 27, 2893-2904.	1.4	16
17	Novel Capsaicin Analogues as Potential Anticancer Agents: Synthesis, Biological Evaluation, and In Silico Approach. Archiv Der Pharmazie, 2014, 347, 885-895.	2.1	14
18	Synthesis, characterization, in silico approach and in vitro antiproliferative activity of RPF151, a benzodioxole sulfonamide analogue designed from capsaicin scaffold. Journal of Molecular Structure, 2015, 1088, 138-146.	1.8	13

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19	Crystal Structure of GenD2, an NAD-Dependent Oxidoreductase Involved in the Biosynthesis of Gentamicin. ACS Chemical Biology, 2019, 14, 925-933.	1.6	10
20	Antiophidic activity of the secondary metabolite lupeol isolated from Zanthoxylum monogynum. Toxicon, 2021, 193, 38-47.	0.8	10
21	Using an in Silico Approach To Teach 3D Pharmacodynamics of the Drugâ€“Target Interaction Process Focusing on Selective COX2 Inhibition by Celecoxib. Journal of Chemical Education, 2017, 94, 380-387.	1.1	9
22	Structure-activity relationship and mechanistic studies for a series of cinnamyl hydroxamate histone deacetylase inhibitors. Bioorganic and Medicinal Chemistry, 2021, 35, 116085.	1.4	9
23	Toward chelerythrine optimization: Analogues designed by molecular simplification exhibit selective growth inhibition in non-small-cell lung cancer cells. Bioorganic and Medicinal Chemistry, 2016, 24, 4600-4610.	1.4	8
24	Design, synthesis and biological activity of novel substituted 3-benzoic acid derivatives as MtDHFR inhibitors. Bioorganic and Medicinal Chemistry, 2020, 28, 115600.	1.4	7
25	Peppers: A â€œHotâ€•Natural Source for Antitumor Compounds. Molecules, 2021, 26, 1521.	1.7	6
26	Turnover and Inactivation Mechanisms for (S)-3-Amino-4,4-difluorocyclopent-1-enecarboxylic Acid, a Selective Mechanism-Based Inactivator of Human Ornithine Aminotransferase. Journal of the American Chemical Society, 2021, 143, 8689-8703.	6.6	6
27	Design of Novel Phosphopantetheine Adenylyltransferase Inhibitors: A Potential New Approach to Tackle Mycobacterium tuberculosis. Current Topics in Medicinal Chemistry, 2021, 21, 1186-1197.	1.0	4
28	Rational Design, Synthesis, and Mechanism of (3S,4R)-3-Amino-4-(difluoromethyl)cyclopent-1-ene-1-carboxylic Acid: Employing a Second-Deprotonation Strategy for Selectivity of Human Ornithine Aminotransferase over GABA Aminotransferase. Journal of the American Chemical Society, 2022, 144, 5629-5642.	6.6	4
29	Recent innovative advances in the discovery of selective HDAC6 inhibitors. Future Medicinal Chemistry, 2021, 13, 1017-1019.	1.1	2
30	N-[(1,3-Benzodioxol-5-yl)methyl]-4-methylbenzamide: an analogue of capsaicin. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o332-o332.	0.2	2
31	DRUG-RECEPTOR INTERACTIONS:IN SILICOAPPROACHES APPLIED TO EXPERIMENTAL CLASSES REGARDING THE EVOLUTION OF ANGIOTENSIN CONVERTING ENZYME INHIBITORS. Quimica Nova, 2015, , .	0.3	2
32	UNDERSTANDING THE CHEMICAL PROCESS RELATED TO THE BIOACTIVATION OF SIMVASTATIN THROUGH EXPERIMENTAL ANDIN SILICOMETHODS: A PRACTICAL CLASS. Quimica Nova, 2016, , .	0.3	2
33	N-[(1,3-Benzodioxol-5-yl)methyl]benzenesulfonamide: an analogue of capsaicin. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1700-o1700.	0.2	1