Raquel C Montenegro

List of Publications by Year
in descending order

87 papers	2,789 citations	159585 30 h-index	197818 49 g-index
88 all docs	88 docs citations	88 times ranked	4982 citing authors

#	Article	IF	Citations
1	The Genomic Ancestry of Individuals from Different Geographical Regions of Brazil Is More Uniform Than Expected. PLoS ONE, 2011, 6, e17063.	2.5	489
2	Antiproliferative activity of pristimerin isolated from Maytenus ilicifolia (Celastraceae) in human HL-60 cells. Toxicology in Vitro, 2008, 22, 854-863.	2.4	88
3	MYC, FBXW7 and TP53 copy number variation and expression in Gastric Cancer. BMC Gastroenterology, 2013, 13, 141.	2.0	80
4	MYC Deregulation in Gastric Cancer and Its Clinicopathological Implications. PLoS ONE, 2013, 8, e64420.	2.5	77
5	3-Arylamino and 3-Alkoxy-nor-Î²-lapachone Derivatives: Synthesis and Cytotoxicity against Cancer Cell Lines. Journal of Medicinal Chemistry, 2010, 53, 504-508.	6.4	75
6	Cytotoxic, trypanocidal activities and physicochemical parameters of nor-Â²-lapachone-based 1,2,3-triazoles. Journal of the Brazilian Chemical Society, 2009, 20, 635-643.	0.6	73
7	Synthesis and potent antitumor activity of new arylamino derivatives of nor-Î²-lapachone and nor-Î±-lapachone. Bioorganic and Medicinal Chemistry, 2007, 15, 7035-7041.	3.0	71
8	Composition, antioxidant capacity and cytotoxic activity of Eugenia uniflora L. chemotype-oils from the Amazon. Journal of Ethnopharmacology, 2019, 232, 30-38.	4.1	67
9	Cytotoxic activity of naphthoquinones with special emphasis on juglone and its 5-O-methyl derivative. Chemico-Biological Interactions, 2010, 184, 439-448.	4.0	66
10	Essential oils of Amazon Piper species and their cytotoxic, antifungal, antioxidant and anti-cholinesterase activities. Industrial Crops and Products, 2014, 58, 55-60.	5.2	62
11	Molecular analysis of oral bacteria in dental biofilm and atherosclerotic plaques of patients with vascular disease. International Journal of Cardiology, 2014, 174, 710-712.	1.7	61
12	Relationship ofEGFRMutations, Expression, Amplification, and Polymorphisms to Epidermal Growth Factor Receptor Inhibitors in the NCI60 Cell Lines. Clinical Cancer Research, 2007, 13, 6788-6795.	7.0	59
13	Genotoxic effects of aluminum, iron and manganese in human cells and experimental systems: A review of the literature. Human and Experimental Toxicology, 2011, 30, 1435-1444.	2.2	56
14	Synthesis of new 9-hydroxy-Î±- and 7-hydroxy-Î²-pyran naphthoquinones and cytotoxicity against cancer cell lines. Organic and Biomolecular Chemistry, 2011, 9, 4315.	2.8	54
15	Chemical Constituents from Lippia sidoides and Cytotoxic Activity. Journal of Natural Products, 2001, 64, 792-795.	3.0	52
16	Casearin X exhibits cytotoxic effects in leukemia cells triggered by apoptosis. Chemico-Biological Interactions, 2010, 188, 497-504.	4.0	52
17	Synthesis and anticancer activity of (E)-2-benzothiazole hydrazones. European Journal of Medicinal Chemistry, 2014, 86, 12-16.	5.5	52
18	Prognostic and Predictive Significance of MYC and KRAS Alterations in Breast Cancer from Women Treated with Neoadjuvant Chemotherapy. PLoS ONE, 2013, 8, e60576.	2.5	49

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19	The anthelmintic drug mebendazole inhibits growth, migration and invasion in gastric cancer cell model. Toxicology in Vitro, 2015, 29, 2038-2044.	2.4	44
20	BET inhibition as a new strategy for the treatment of gastric cancer. Oncotarget, 2016, 7, 43997-44012.	1.8	44
21	Genotoxic and cytotoxic effects of manganese chloride in cultured human lymphocytes treated in different phases of cell cycle. Toxicology in Vitro, 2008, 22, 1032-1037.	2.4	43
22	The miRNA Profile of Platelets Stored in a Blood Bank and Its Relation to Cellular Damage from Storage. PLoS ONE, 2015, 10, e0129399.	2.5	41
23	YWHAE silencing induces cell proliferation, invasion and migration through the up-regulation of CDC25B and MYC in gastric cancer cells: new insights about YWHAE role in the tumor development and metastasis process. Oncotarget, 2016, 7, 85393-85410.	1.8	40
24	Assessing histone demethylase inhibitors in cells: lessons learned. Epigenetics and Chromatin, 2017, 10, 9.	3.9	40
25	Molecular Analysis of Oral Bacteria in Heart Valve of Patients With Cardiovascular Disease by Real-Time Polymerase Chain Reaction. Medicine (United States), 2015, 94, e2067.	1.0	39
26	Biological evaluation of twenty-eight ferrocenyl tetrasubstituted olefins: Cancer cell growth inhibition, ROS production and hemolytic activity. European Journal of Medicinal Chemistry, 2011, 46, 3778-3787.	5.5	38
27	Synthesis and anticancer activities of some novel 2-(benzo[d]thiazol-2-yl)-8-substituted-2H-pyrazolo[4,3-c]quinolin-3(5H)-ones. European Journal of Medicinal Chemistry, 2011, 46, 1448-1452.	5.5	33
28	Growth inhibitory effects of 3â€²-nitro-3-phenylamino nor-beta-lapachone against HL-60: A redox-dependent mechanism. Toxicology in Vitro, 2012, 26, 585-594.	2.4	33
29	Deregulated Expression of SRC, LYN and CKB Kinases by DNA Methylation and Its Potential Role in Gastric Cancer Invasiveness and Metastasis. PLoS ONE, 2015, 10, e0140492.	2.5	33
30	Differential expression of hsa-miR-221, hsa-miR-21, hsa-miR-135b, and hsa-miR-29c suggests a field effect in oral cancer. BMC Cancer, 2018, 18, 721.	2.6	33
31	Chemical Composition of Four Essential Oils of Eugenia from the Brazilian Amazon and Their Cytotoxic and Antioxidant Activity. Medicines (Basel, Switzerland), 2017, 4, 51.	1.4	31
32	Evaluation of inÂvivo and inÂvitro toxicological and genotoxic potential of aluminum chloride. Chemosphere, 2017, 175, 130-137.	8.2	27
33	Cytotoxic Epimeric Withaphysalins from Leaves ofAcnistus arborescens. Planta Medica, 2004, 70, 551-555.	1.3	26
34	Bioactivity of Biflorin, a Typical o-Naphthoquinone Isolated from Capraria biflora L.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2005, 60, 394-398.	1.4	25
35	Cytotoxic Abietane Diterpenes from Hyptis martiusii Benth.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 177-183.	1.4	25
36	Biological activity of neosergeolide and isobrucein B (and two semi-synthetic derivatives) isolated from the Amazonian medicinal plant Picrolemma sprucei (Simaroubaceae). Memorias Do Instituto Oswaldo Cruz, 2009, 104, 48-56.	1.6	25

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37	Synthesis and biological evaluation of cytotoxic properties of stilbene-based resveratrol analogs. European Journal of Medicinal Chemistry, 2009, 44, 701-707.	5.5	25
38	Recurrent amplification of RTEL1 and ABCA13 and its synergistic effect associated with clinicopathological data of gastric adenocarcinoma. Molecular Cytogenetics, 2016, 9, 52.	0.9	25
39	Oxidative stress induction by (+)-cordiaquinone J triggers both mitochondria-dependent apoptosis and necrosis in leukemia cells. Chemico-Biological Interactions, 2010, 183, 369-379.	4.0	24
40	Gastric cancer management: Kinases as a target therapy. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 613-622.	1.9	24
41	mtDNA structure: the women who formed the Brazilian Northeast. BMC Evolutionary Biology, 2017, 17, 185.	3.2	24
42	Synthesis of carbohydrate-based naphthoquinones and their substituted phenylhydrazono derivatives as anticancer agents. RSC Advances, 2012, 2, 11438.	3.6	22
43	A Cytotoxic Meroterpenoid Benzoquinone from Roots ofCordia globosa. Planta Medica, 2005, 71, 54-58.	1.3	20
44	The in-vitro and in-vivo inhibitory activity of biflorin in melanoma. Melanoma Research, 2011, 21, 106-114.	1.2	18
45	Mebendazole induces apoptosis via C-MYC inactivation in malignant ascites cell line (AGP01). Toxicology in Vitro, 2019, 60, 305-312.	2.4	18
46	Evaluation of the cytotoxic and antimutagenic effects of biflorin, an antitumor 1,4 o-naphthoquinone isolated from Capraria biflora L. Archives of Toxicology, 2010, 84, 799-810.	4.2	17
47	Synthesis of a new class of naphthoquinone glycoconjugates and evaluation of their potential as antitumoral agents. RSC Advances, 2015, 5, 96222-96229.	3.6	17
48	Human Papillomavirus Genotype Distribution among Cervical Cancer Patients prior to Brazilian National HPV Immunization Program. Journal of Environmental and Public Health, 2017, 2017, 1-9.	0.9	17
49	The human pandemic coronaviruses on the show: The spike glycoprotein as the main actor in the coronaviruses play. International Journal of Biological Macromolecules, 2021, 179, 1-19.	7.5	17
50	Arylated Î±- and Î²-dihydrofuran naphthoquinones: Electrochemical parameters, evaluation of antitumor activity and their correlation. Electrochimica Acta, 2013, 110, 634-640.	5.2	16
51	A novel o-naphtoquinone inhibits N-cadherin expression and blocks melanoma cell invasion via AKT signaling. Toxicology in Vitro, 2013, 27, 2076-2083.	2.4	16
52	Antitumor Activity of Pisosterol in Mice Bearing with S180 Tumor. Biological and Pharmaceutical Bulletin, 2008, 31, 454-457.	1.4	14
53	Synthesis, Cytotoxicity and Mechanistic Evaluation of 4-Oxoquinoline-3-carboxamide Derivatives: Finding New Potential Anticancer Drugs. Molecules, 2014, 19, 6651-6670.	3.8	14
54	Synthesis and Biological Evaluation of Novel 6-Hydroxy-benzo[d][1,3]oxathiol-2-one Schiff Bases as Potential Anticancer Agents. Molecules, 2015, 20, 1968-1983.	3.8	13

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55	Composition and cytotoxic and antioxidant activities of the oil of Piper aequale Vahl. Lipids in Health and Disease, 2016, 15, 174.	3.0	13
56	Antioxidant and Cytotoxic Activities of Myrtaceae Essential Oils Rich in Terpenoids From Brazil. Natural Product Communications, 2021, 16, 1934578X2199615.	0.5	13
57	1-(7-Chloroquinolin-4-yl)-2-[(1H-pyrrol-2-yl)methylene]hydrazine: a potent compound against cancer. Medicinal Chemistry Research, 2012, 21, 3615-3619.	2.4	12
58	Electrochemical, spectroscopic and pharmacological approaches toward the understanding of biflorin DNA damage effects. Journal of Electroanalytical Chemistry, 2016, 765, 168-178.	3.8	12
59	Mebendazole, an antiparasitic drug, inhibits drug transporters expression in preclinical model of gastric peritoneal carcinomatosis. Toxicology in Vitro, 2017, 43, 87-91.	2.4	12
60	Small benzothiazole molecule induces apoptosis and prevents metastasis through DNA interaction and c-MYC gene supression in diffuse-type gastric adenocarcinoma cell line. Chemico-Biological Interactions, 2018, 294, 118-127.	4.0	12
61	Studies on the Cytotoxicity of Miscellaneous Compounds from Eupatorium betonicaeforme (D.C.) <scp>Baker</scp> (Asteraceae). Chemistry and Biodiversity, 2007, 4, 2835-2844.	2.1	11
62	Studies on the Secondary Metabolites of a Pseudoalteromonas sp. Isolated from Sediments Collected at the Northeastern Coast of Brazil. Chemistry and Biodiversity, 2012, 9, 418-427.	2.1	11
63	Anticancer potential of benzothiazolic derivative (E)-2-((2-(benzo[d]thiazol-2-yl)hydrazono)methyl)-4-nitrophenol against melanoma cells. Toxicology in Vitro, 2018, 50, 225-235.	2.4	11
64	Differential Expression Profile of MicroRNAs During Prolonged Storage of Platelet Concentrates As a Quality Measurement Tool in Blood Banks. OMICS A Journal of Integrative Biology, 2018, 22, 653-664.	2.0	11
65	HighViaâ€"A Flexible Live-Cell High-Content Screening Pipeline to Assess Cellular Toxicity. SLAS Discovery, 2020, 25, 801-811.	2.7	11
66	Synthesis and Antitumor Evaluation of (E)-2-Benzothiazole Hydrazones. Letters in Drug Design and Discovery, 2010, 7, 551-555.	0.7	11
67	Cytotoxic Activity of Pisosterol, a Triterpene Isolated from Pisolithus tinctorius (Mich.: Pers.) Coker & Couch, 1928. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 519-522.	1.4	10
68	22Î²-hydroxytingenone induces apoptosis and suppresses invasiveness of melanoma cells by inhibiting MMP-9 activity and MAPK signaling. Journal of Ethnopharmacology, 2021, 267, 113605.	4.1	9
69	Cytotoxic Activity of Polysubstituted 7-chloro-4-quinolinylhydrazone Derivatives. Letters in Drug Design and Discovery, 2012, 9, 251-256.	0.7	9
70	Cell cycle arrest induced by Pisosterol in HL60 cells with gene amplification. Cell Biology and Toxicology, 2009, 25, 245-251.	5.3	7
71	Inhibitory effect of pisosterol on human glioblastoma cell lines with Câ€MYC amplification. Journal of Applied Toxicology, 2011, 31, 554-560.	2.8	7
72	Biflorin induces cytotoxicity by DNA interaction in genetically different human melanoma cell lines. Toxicology in Vitro, 2016, 34, 237-245.	2.4	7

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73	Organic effects of associating paclitaxel with a lipid-based nanoparticle system on a nonhuman primate, Cebus apella. International Journal of Nanomedicine, 2017, Volume 12, 3827-3837.	6.7	7
74	Neutralizing Effect of Synthetic Peptides toward SARS-CoV-2. ACS Omega, 2022, 7, 16222-16234.	3.5	7
75	Genetic diversity of human papillomavirus types 35, 45 and 58 in cervical cancer in Brazil. Archives of Virology, 2017, 162, 2855-2860.	2.1	6
76	Population stratification effect on cancer susceptibility in an admixed population from Brazilian Amazon. Anticancer Research, 2015, 35, 2009-14.	1.1	6
77	Biflorin inhibits the proliferation of gastric cancer cells by decreasing MYC expression. Toxicology in Vitro, 2020, 63, 104735.	2.4	5
78	Kinase inhibitor screening reveals auroraâ€a kinase is a potential therapeutic and prognostic biomarker of gastric cancer. Journal of Cellular Biochemistry, 2021, 122, 1376-1388.	2.6	5
79	New insights on intercontinental origins of paternal lineages in Northeast Brazil. BMC Evolutionary Biology, 2020, 20, 15.	3.2	5
80	Pisosterol induces interphase arrest in HL60 cells with C-MYC amplification. Human and Experimental Toxicology, 2010, 29, 235-240.	2.2	4
81	New flavone and other compounds from Tephrosia egregia: assessing the cytotoxic effect on human tumor cell lines. Revista Brasileira De Farmacognosia, 2018, 28, 333-338.	1.4	3
82	First-time Isolation of Flavonoids and Cytotoxic Potential of the Amazonian Shrub Ptychopetalum olacoides Benth. Revista Virtual De Quimica, 2017, 9, 2299-2304.	0.4	2
83	3,3-Diisopentenyl-N-Methyl-2,4-Quinoldione from Esenbeckia Almawillia: The Antitumor Activity of this Alkaloid and its Derivatives. Natural Product Communications, 2006, 1, 1934578X0600100.	0.5	1
84	A proline derivative-enriched methanol fraction from Sideroxylon obtusifolium leaves (MFSOL) stimulates human keratinocyte cells and exerts a healing effect in a burn wound model. Brazilian Journal of Medical and Biological Research, 2021, 54, e10700.	1.5	1
85	Synthesis, molecular docking, and biological activity of thioether derived from juglone in preclinical models of chronic myeloid leukemia. Computational Toxicology, 2021, 20, 100197.	3.3	1
86	Synthesis of a new class of 2-bromo-3-amino-1,4- naphthoquinone glycoconjugates. , 0, , .		0
87	Synthesis of two new series of 7-aminocarbohydrateisoquinoline- 5,8-dione derivatives. , 0, , .		0