Nuno Vale

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122 papers	2,311 citations	28 h-index	44 g-index
141 ext. papers	2,915 ext. citations	4.9 avg, IF	5.38 L-index

#	Paper	IF	Citations
122	Two Possible Strategies for Drug Modification of Gemcitabine and Future Contributions to Personalized Medicine.. *Molecules*, **2022**, 27,	4.8	2
121	Drug Combinations: A New Strategy to Extend Drug Repurposing and Epithelial-Mesenchymal Transition in Breast and Colon Cancer Cells.. *Biomolecules*, **2022**, 12,	5.9	3
120	Lessons from a Single Amino Acid Substitution: Anticancer and Antibacterial Properties of Two Phospholipase A2-Derived Peptides. *Current Issues in Molecular Biology*, **2022**, 44, 46-62	2.9	3
119	Potential Translational Thioflavin T Methodology as a Complement of Cell-Based Assays and after Drug Exposition. *International Journal of Translational Medicine*, **2022**, 2, 134-147		
118	In Silico Personalized Study for Zolpidem Based on Sex Difference. *Future Pharmacology*, **2022**, 2, 99-116		
117	Evaluation of synergism in drug combinations and reference models for future orientations in oncology. *Current Research in Pharmacology and Drug Discovery*, **2022**, 100110	3	2
116	Synergistic Interaction of CPP2 Coupled with Thiazole Derivates Combined with Clotrimazole and Antineoplastic Drugs in Prostate and Colon Cancer Cell Lines. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
115	PBPK Modeling and Simulation and Therapeutic Drug Monitoring: Possible Ways for Antibiotic Dose Adjustment. *Processes*, **2021**, 9, 2087	2.9	3
114	Permeability evaluation of gemcitabine-CPP6 conjugates in Caco-2 cells.. *ADMET and DMPK*, **2021**, 9, 41-48	1.3	2
113	PBPK Modeling and Simulation of Antibiotics Amikacin, Gentamicin, Tobramycin, and Vancomycin Used in Hospital Practice. *Life*, **2021**, 11,	3	1
112	Pharmacokinetic Study of Vancomycin Using PBPK Modeling and Therapeutic Drug Monitoring. *Current Drug Metabolism*, **2021**, 22, 150-162	3.5	3
111	Importance of Nanoparticles for the Delivery of Antiparkinsonian Drugs. *Pharmaceutics*, **2021**, 13,	6.4	2
110	Clinical pharmacokinetic study of latrepirdine via in silico sublingual administration. *In Silico Pharmacology*, **2021**, 9, 29	4.3	6
109	A Review of Repurposed Cancer Drugs in Clinical Trials for Potential Treatment of COVID-19. *Pharmaceutics*, **2021**, 13,	6.4	5
108	New Insight into Breast Cancer Cells Involving Drug Combinations for Dopamine and Serotonin Receptors. *Applied Sciences (Switzerland)*, **2021**, 11, 6082	2.6	1
107	New In Vitro-In Silico Approach for the Prediction of In Vivo Performance of Drug Combinations. *Molecules*, **2021**, 26,	4.8	2
106	Synergistic Growth Inhibition of HT-29 Colon and MCF-7 Breast Cancer Cells with Simultaneous and Sequential Combinations of Antineoplastics and CNS Drugs. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4

105	Normal breast epithelial MCF-10A cells to evaluate the safety of carbon dots. *RSC Medicinal Chemistry*, **2021**, 12, 245-253	3.5	3
104	Sulfotyrosine-Mediated Recognition of Human Thrombin by a Tsetse Fly Anticoagulant Mimics Physiological Substrates. *Cell Chemical Biology*, **2021**, 28, 26-33.e8	8.2	7
103	Acetylcholinesterase inhibitors and nanoparticles on Alzheimer disease: a review. *Journal of Nanoparticle Research*, **2021**, 23, 1	2.3	1
102	Drug combination and repurposing for cancer therapy: the example of breast cancer. *Heliyon*, **2021**, 7, e05948	3.6	11
101	Synthesis, Biological Activity and In Silico Pharmacokinetic Prediction of a New 2-Thioxo-Imidazoldidin-4-One of Primaquine. *Pharmaceuticals*, **2021**, 14,	5.2	1
100	An Active Surface Preservation Strategy for the Rational Development of Carbon Dots as pH-Responsive Fluorescent Nanosensors. *Chemosensors*, **2021**, 9, 191	4	3
99	Highlighting Immune System and Stress in Major Depressive Disorder, Parkinson's, and Alzheimer's Diseases, with a Connection with Serotonin. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
98	Target-Oriented Synthesis of Marine Coelenterazine Derivatives with Anticancer Activity by Applying the Heavy-Atom Effect. *Biomedicines*, **2021**, 9,	4.8	1
97	Combining repurposed drugs to treat colorectal cancer. *Drug Discovery Today*, **2021**, 27, 165-165	8.8	1
96	Antidepressants in Alzheimer's Disease: A Focus on the Role of Mirtazapine. *Pharmaceuticals*, **2021**, 14,	5.2	1
95	Strategies for the treatment of breast cancer: from classical drugs to mathematical models. *Mathematical Biosciences and Engineering*, **2021**, 18, 6328-6385	2.1	0
94	Permeability of Gemcitabine and PBPK Modeling to Assess Oral Administration.. *Current Issues in Molecular Biology*, **2021**, 43, 2189-2198	2.9	1
93	Helminth infection-induced carcinogenesis: spectrometric insights from the liver flukes, Opisthorchis and Fasciola. *Experimental Results*, **2020**, 1,	1.3	2
92	New insights into ethionamide metabolism: influence of oxidized methionine on its degradation path. *RSC Medicinal Chemistry*, **2020**, 11, 1423-1428	3.5	
91	Breast cancer: insights in disease and influence of drug methotrexate. *RSC Medicinal Chemistry*, **2020**, 11, 646-664	3.5	13
90	Understanding Breast cancer: from conventional therapies to repurposed drugs. *European Journal of Pharmaceutical Sciences*, **2020**, 151, 105401	5.1	9
89	Oxysterols of helminth parasites and pathogenesis of foodborne hepatic trematodiasis caused by Opisthorchis and Fasciola species. *Parasitology Research*, **2020**, 119, 1443-1453	2.4	2
88	Current and Novel Therapies Against Helminthic Infections: The Potential of Antioxidants Combined with Drugs. *Biomolecules*, **2020**, 10,	5.9	2

87	A new MAP-Rasagiline conjugate reduces -synuclein inclusion formation in a cell model. *Pharmacological Reports*, **2020**, 72, 456-464	3.9	4
86	Model Amphipathic Peptide Coupled with Tacrine to Improve Its Antiproliferative Activity. *International Journal of Molecular Sciences*, **2020**, 22,	6.3	2
85	Development of potent CPP6-gemcitabine conjugates against human prostate cancer cell line (PC-3). *RSC Medicinal Chemistry*, **2020**, 11, 268-273	3.5	6
84	Cell-penetrating peptides in oncologic pharmacotherapy: A review. *Pharmacological Research*, **2020**, 162, 105231	10.2	14
83	AMP-Chitosan Coating with Bactericidal Activity in the Presence of Human Plasma Proteins. *Molecules*, **2020**, 25,	4.8	8
82	New Trends for Antimalarial Drugs: Synergism between Antineoplastics and Antimalarials on Breast Cancer Cells. *Biomolecules*, **2020**, 10,	5.9	8
81	Formulation, Characterization and Evaluation against SH-SY5Y Cells of New Tacrine and Tacrine-MAP Loaded with Lipid Nanoparticles. *Nanomaterials*, **2020**, 10,	5.4	5
80	-Adrenoceptor Activation in Breast MCF-10A Cells Induces a Pattern of Catecholamine Production Similar to that of Tumorigenic MCF-7 Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
79	Activity of Combinations of Antioxidants and Anthelmintic Drugs against the Adult Stage of. *Journal of Parasitology Research*, **2020**, 2020, 8843808	1.9	1
78	Lauroylated Histidine-Enriched S4-PV Peptide as an Efficient Gene Silencing Mediator in Cancer Cells. *Pharmaceutical Research*, **2020**, 37, 188	4.5	1
77	Study of the Combination of Self-Activating Photodynamic Therapy and Chemotherapy for Cancer Treatment. *Biomolecules*, **2019**, 9,	5.9	14
76	Carbidopa Alters Tryptophan Metabolism in Breast Cancer and Melanoma Cells Leading to the Formation of Indole-3-Acetonitrile, a Pro-Proliferative Metabolite. *Biomolecules*, **2019**, 9,	5.9	3
75	Potential use of 13-mer peptides based on phospholipase and oligoarginine as leishmanicidal agents. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2019**, 226, 108612	3.2	13
74	Single-molecule chemiluminescent photosensitizer for a self-activating and tumor-selective photodynamic therapy of cancer. *European Journal of Medicinal Chemistry*, **2019**, 183, 111683	6.8	13
73	Coupling the cell-penetrating peptides transportan and transportan 10 to primaquine enhances its activity against liver-stage malaria parasites. *MedChemComm*, **2019**, 10, 221-226	5	8
72	The antioxidants resveratrol and N-acetylcysteine enhance anthelmintic activity of praziquantel and artesunate against Schistosoma mansoni. *Parasites and Vectors*, **2019**, 12, 309	4	12
71	Potent cationic antimicrobial peptides against Mycobacterium tuberculosis in vitro. *Journal of Global Antimicrobial Resistance*, **2019**, 19, 132-135	3.4	5
70	Synthesis of PEGylated methotrexate conjugated with a novel CPP6, in sillico structural insights and activity in MCF-7 cells. *Journal of Molecular Structure*, **2019**, 1192, 201-207	3.4	3

69	Increasing the potential of cell-penetrating peptides for cancer therapy using a new pentagonal scaffold. *European Journal of Pharmacology*, **2019**, 860, 172554	5.3	5
68	Combination of Gemcitabine with Cell-Penetrating Peptides: A Pharmacokinetic Approach Using In Silico Tools. *Biomolecules*, **2019**, 9,	5.9	11
67	Cationic Antimicrobial Peptides for Tuberculosis: A Mini-Review. *Current Protein and Peptide Science* , **2019**, 20, 885-892	2.8	
66	Combination Anthelmintic/Antioxidant Activity Against. *Biomolecules*, **2019**, 9,	5.9	6
65	Inhibition of the Formation In Vitro of Putatively Carcinogenic Metabolites Derived from and by Combination of Drugs with Antioxidants. *Molecules*, **2019**, 24,	4.8	3
64	Infection with carcinogenic helminth parasites and its production of metabolites induces the formation of DNA-adducts. *Infectious Agents and Cancer*, **2019**, 14, 41	3.5	4
63	Coupling the Antimalarial Cell Penetrating Peptide TP10 to Classical Antimalarial Drugs Primaquine and Chloroquine Produces Strongly Hemolytic Conjugates. *Molecules*, **2019**, 24,	4.8	8
62	Combination of Cell-Penetrating Peptides with Nanoparticles for Therapeutic Application: A Review. *Biomolecules*, **2019**, 9,	5.9	94
61	A novel synthetic peptide inspired on Lys49 phospholipase A from Crotalus oreganus abyssus snake venom active against multidrug-resistant clinical isolates. *European Journal of Medicinal Chemistry*, **2018**, 149, 248-256	6.8	16
60	Synergistic and antibiofilm properties of ocellatin peptides against multidrug-resistant Pseudomonas aeruginosa. *Future Microbiology*, **2018**, 13, 151-163	2.9	30
59	Microglia P2Y Receptors Prevent Astrocyte Proliferation Mediated by P2Y Receptors. *Frontiers in Pharmacology*, **2018**, 9, 418	5.6	22
58	Drug Repurposing for Schistosomiasis: Combinations of Drugs or Biomolecules. *Pharmaceuticals*, **2018**, 11,	5.2	32
57	Nitric Oxide Release from Antimicrobial Peptide Hydrogels for Wound Healing. *Biomolecules*, **2018**, 9,	5.9	14
56	Study of New Therapeutic Strategies to Combat Breast Cancer Using Drug Combinations. *Biomolecules*, **2018**, 8,	5.9	17
55	Acylation of the S4-PV cell-penetrating peptide as a means of enhancing its capacity to mediate nucleic acid delivery: Relevance of peptide/lipid interactions. *Biochimica Et Biophysica Acta - Biomembranes*, **2018**, 1860, 2619-2634	3.8	6
54	Amino Acids in the Development of Prodrugs. *Molecules*, **2018**, 23,	4.8	24
53	Phenolic composition and antioxidant activity assessment of southeastern and south Brazilian propolis. *Journal of Apicultural Research*, **2017**, 56, 21-31	2	19
52	Tethering antimicrobial peptides onto chitosan: Optimization of azide-alkyne "click" reaction conditions. *Carbohydrate Polymers*, **2017**, 165, 384-393	10.3	32

51	Praziquantel for Schistosomiasis: Single-Drug Metabolism Revisited, Mode of Action, and Resistance. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	162
50	Gemcitabine anti-proliferative activity significantly enhanced upon conjugation with cell-penetrating peptides. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2898-2901	2.9	29
49	In vitro studies on the inhibition of colon cancer by amino acid derivatives of bromothiazole. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3507-3510	2.9	7
48	The role of estradiol metabolism in urogenital schistosomiasis-induced bladder cancer. *Tumor Biology*, **2017**, 39, 1010428317692247	2.9	9
47	Preparation and biological evaluation of ethionamide-mesoporous silicon nanoparticles against Mycobacterium tuberculosis. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 403-405	2.9	10
46	Infection with Opisthorchis felineus induces intraepithelial neoplasia of the biliary tract in a rodent model. *Carcinogenesis*, **2017**, 38, 929-937	4.6	42
45	In Silico, In Vitro and In Vivo Toxicological Assessment of BPP-BrachyNH2, A Vasoactive Proline-Rich Oligopeptide from Brachycephalus ephippium. *International Journal of Peptide Research and Therapeutics*, **2017**, 23, 323-331	2.1	5
44	New Potent Membrane-Targeting Antibacterial Peptides from Viral Capsid Proteins. *Frontiers in Microbiology*, **2017**, 8, 775	5.7	26
43	Multinuclear NMR analysis of the antitubercular drug ethionamide. *Journal of Molecular Structure*, **2016**, 1105, 286-292	3.4	0
42	A new procedure for N1-alkylation of imidazolidin-4-ones and its NMR characterization. *Journal of Molecular Structure*, **2016**, 1125, 366-369	3.4	
41	Ocellatin-PT antimicrobial peptides: High-resolution microscopy studies in antileishmania models and interactions with mimetic membrane systems. *Biopolymers*, **2016**, 105, 873-86	2.2	13
40	3.1 Amino Acids and Peptides in Medicine: Old or New Drugs? **2015**, 178-228		
39	Exploring the Solid-Phase Synthesis of □Sulfotyrosine Peptides. *European Journal of Organic Chemistry*, **2015**, 2015, 7413-7425	3.2	3
38	Comparison of findings using ultrasonography and cystoscopy in urogenital schistosomiasis in a public health centre in rural Angola. *South African Medical Journal*, **2015**, 105, 312-5	1.5	4
37	Estrogen-like metabolites and DNA-adducts in urogenital schistosomiasis-associated bladder cancer. *Cancer Letters*, **2015**, 359, 226-32	9.9	44
36	Biomedical Chemistry **2015**,		4
35	"Recycling" classical drugs for malaria. *Chemical Reviews*, **2014**, 114, 11164-220	68.1	84
34	Hydrogel depots for local co-delivery of osteoinductive peptides and mesenchymal stem cells. *Journal of Controlled Release*, **2014**, 189, 158-68	11.7	49

33	In vitro evaluation of Portuguese propolis and floral sources for antiprotozoal, antibacterial and antifungal activity. *Phytotherapy Research*, **2014**, 28, 437-43	6.7	32
32	Urinary estrogen metabolites and self-reported infertility in women infected with Schistosoma haematobium. *PLoS ONE*, **2014**, 9, e96774	3.7	20
31	Antimicrobial peptides: a new class of antimalarial drugs?. *Frontiers in Pharmacology*, **2014**, 5, 275	5.6	47
30	Schistosome and liver fluke derived catechol-estrogens and helminth associated cancers. *Frontiers in Genetics*, **2014**, 5, 444	4.5	46
29	Tumour-like phenotypes in urothelial cells after exposure to antigens from eggs of Schistosoma haematobium: an oestrogen-DNA adducts mediated pathway?. *International Journal for Parasitology*, **2013**, 43, 17-26	4.3	42
28	Mass spectrometry techniques in the survey of steroid metabolites as potential disease biomarkers: a review. *Metabolism: Clinical and Experimental*, **2013**, 62, 1206-17	12.7	47
27	Carcinogenic liver fluke Opisthorchis viverrini oxysterols detected by LC-MS/MS survey of soluble fraction parasite extract. *Parasitology International*, **2013**, 62, 535-42	2.1	31
26	Phenolic quantification and botanical origin of Portuguese propolis. *Industrial Crops and Products*, **2013**, 49, 805-812	5.9	51
25	Phenolic profiling of Portuguese propolis by LC-MS spectrometry: uncommon propolis rich in flavonoid glycosides. *Phytochemical Analysis*, **2013**, 24, 309-18	3.4	125
24	Experimental and computational study of the energetics of hydantoin and 2-thiohydantoin. *Journal of Chemical Thermodynamics*, **2013**, 58, 158-165	2.9	14
23	Metabolism of the Antituberculosis Drug Ethionamide. *Current Drug Metabolism*, **2013**, 14, 151-158	3.5	29
22	Metabolism of the antituberculosis drug ethionamide. *Current Drug Metabolism*, **2013**, 14, 151-8	3.5	6
21	New times, new trends for ethionamide: In vitro evaluation of drug-loaded thermally carbonized porous silicon microparticles. *European Journal of Pharmaceutics and Biopharmaceutics*, **2012**, 81, 314-23	5.7	35
20	Peptidomimetic and organometallic derivatives of primaquine active against Leishmania infantum. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 5774-81	5.9	27
19	Synthesis and thermochemical study of quinoxaline-N-oxides: enthalpies of dissociation of the N□O bond. *Journal of Physical Organic Chemistry*, **2012**, 25, 420-426	2.1	5
18	Inactivation of estrogen receptor by Schistosoma haematobium total antigen in bladder urothelial cells. *Oncology Reports*, **2012**, 27, 356-62	3.5	18
17	Comparative analysis of in vitro rat liver metabolism of the antimalarial primaquine and a derived imidazoquine. *Drug Metabolism Letters*, **2012**, 6, 15-25	2.1	4
16	PRIMACENES: novel non-cytotoxic primaquine-ferrocene conjugates with anti-Pneumocystis carinii activity. *MedChemComm*, **2010**, 1, 199	5	24

15	Schistosoma haematobium: identification of new estrogenic molecules with estradiol antagonistic activity and ability to inactivate estrogen receptor in mammalian cells. *Experimental Parasitology*, **2010**, 126, 526-35	2.1	29
14	Anti-tumoral activity of imidazoquines, a new class of antimalarials derived from primaquine. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 6914-7	2.9	16
13	Primaquine revisited six decades after its discovery. *European Journal of Medicinal Chemistry*, **2009**, 44, 937-53	6.8	270
12	Primaquine dipeptide derivatives bearing an imidazolidin-4-one moiety at the N-terminus as potential antimalarial prodrugs. *European Journal of Medicinal Chemistry*, **2009**, 44, 2506-16	6.8	22
11	Imidazoquines as antimalarial and antipneumocystis agents. *Journal of Medicinal Chemistry*, **2009**, 52, 7800-7	8.3	32
10	Electrospray ionization mass spectrometry as a valuable tool in the characterization of novel primaquine peptidomimetic derivatives. *European Journal of Mass Spectrometry*, **2009**, 15, 627-40	1.1	4
9	Electrospray ionization-ion trap mass spectrometry study of PQAAPro and PQProAA mimetic derivatives of the antimalarial primaquine. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 1476-90	3.5	6
8	Anti-Pneumocystis carinii and antiplasmodial activities of primaquine-derived imidazolidin-4-ones. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 485-8	2.9	29
7	Amino acids as selective acylating agents: regioselective N1-acylation of imidazolidin-4-one derivatives of the antimalarial drug primaquine. *Tetrahedron*, **2008**, 64, 11144-11149	2.4	12
6	Imidazolidin-4-one peptidomimetic derivatives of primaquine: synthesis and antimalarial activity. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 4150-3	2.9	29
5	Characterization of primaquine imidazolidin-4-ones with antimalarial activity by electrospray ionization-ion trap mass spectrometry. *International Journal of Mass Spectrometry*, **2008**, 270, 81-93	1.9	9
4	Thermochemical studies on 3-methyl-quinoxaline-2-carboxamide-1,4-dioxide derivatives: enthalpies of formation and of N-O bond dissociation. *Journal of Physical Chemistry B*, **2007**, 111, 2075-80	3.4	15
3	Cyclization-activated prodrugs. *Molecules*, **2007**, 12, 2484-506	4.8	40
2	Imidazolidin-4-one derivatives of primaquine as novel transmission-blocking antimalarials. *Journal of Medicinal Chemistry*, **2005**, 48, 888-92	8.3	70
1	Synthesis of imidazolidin-4-one and 1H-imidazo[2,1-a]isoindole-2,5(3H,9bH)-dione derivatives of primaquine: scope and limitations. *Tetrahedron*, **2004**, 60, 5551-5562	2.4	63