

# AndrÃ© de Oliveira Carvalho

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

764  
citations

933447

10  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of plant lipid transfer proteins in plant cell physiology – A concise review. <i>Peptides</i> , 2007, 28, 1144-1153.	2.4	233
2	Plant defensins – Prospects for the biological functions and biotechnological properties. <i>Peptides</i> , 2009, 30, 1007-1020.	2.4	222
3	Plant Defensins and Defensin-Like Peptides - Biological Activities and Biotechnological Applications. <i>Current Pharmaceutical Design</i> , 2011, 17, 4270-4293.	1.9	122
4	Interaction between the plant ApDef1 defensin and <i>Saccharomyces cerevisiae</i> results in yeast death through a cell cycle- and caspase-dependent process occurring via uncontrolled oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3429-3443.	2.4	43
5	Isolation, characterization and mechanism of action of an antimicrobial peptide from <i>Lecythis pisonis</i> seeds with inhibitory activity against <i>Candida albicans</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2015, 47, 716-729.	2.0	27
6	Improved smallest peptides based on positive charge increase of the $\gamma$ -core motif from $\epsilon$ -P&nu;D&sub;1&sub; and their mechanism of action against <i>Candida</i> species. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 407-420.	6.7	21
7	Recombinant production and $\alpha$ -amylase inhibitory activity of the lipid transfer protein from <i>Vigna unguiculata</i> (L. Walp.) seeds. <i>Process Biochemistry</i> , 2018, 65, 205-212.	3.7	18
8	Insight into the $\alpha$ -Amylase Inhibitory Activity of Plant Lipid Transfer Proteins. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 2294-2304.	5.4	14
9	A synthetic peptide derived of the $\beta$ 2- $\beta$ 3 loop of the plant defensin from <i>Vigna unguiculata</i> seeds induces <i>Leishmania amazonensis</i> apoptosis-like cell death. <i>Amino Acids</i> , 2019, 51, 1633-1648.	2.7	14
10	Molecular characterization of Helja, an extracellular jacalin-related protein from <i>Helianthus annuus</i> : Insights into the relationship of this protein with unconventionally secreted lectins. <i>Journal of Plant Physiology</i> , 2015, 183, 144-153.	3.5	12
11	Activity of recombinant and natural defensins from <i>Vigna unguiculata</i> seeds against <i>Leishmania amazonensis</i> . <i>Experimental Parasitology</i> , 2013, 135, 116-125.	1.2	9
12	The toxic effect of <i>Vu</i> -Defr, a defensin from <i>Vigna unguiculata</i> seeds, on <i>Leishmania amazonensis</i> is associated with reactive oxygen species production, mitochondrial dysfunction, and plasma membrane perturbation. <i>Canadian Journal of Microbiology</i> , 2018, 64, 455-464.	1.7	8
13	Design of improved synthetic antifungal peptides with targeted variations in charge, hydrophobicity and chirality based on a correlation study between biological activity and primary structure of plant defensin $\beta$ -cores. <i>Amino Acids</i> , 2021, 53, 219-237.	2.7	6
14	Inhibition mechanism of human salivary $\alpha$ -amylase by lipid transfer protein from <i>Vigna unguiculata</i> . <i>Computational Biology and Chemistry</i> , 2020, 85, 107193.	2.3	5
15	Bifunctional Inhibitors from <i>Capsicum chinense</i> Seeds with Antimicrobial Activity and Specific Mechanism of Action Against Phytopathogenic Fungi. <i>Protein and Peptide Letters</i> , 2021, 28, 149-163.	0.9	5
16	Antimicrobial peptides of the genus <i>Capsicum</i> : a mini review. <i>Horticulture Environment and Biotechnology</i> , 2022, 63, 453-466.	2.1	4
17	Anti-Neuroblastoma Properties of a Recombinant Sunflower Lectin. <i>International Journal of Molecular Sciences</i> , 2017, 18, 92.	4.1	1