Mohammed Moussaoui

List of Publications by Year
in descending order

24 papers	1,004 citations	430874 18 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	909 citing authors

#	Article	IF	Citations
1	Evolutionary Trends in RNA Base Selectivity Within the RNase A Superfamily. Frontiers in Pharmacology, 2019, 10, 1170.	3.5	14
2	Characterization of an RNase with two catalytic centers. Human RNase6 catalytic and phosphate-binding site arrangement favors the endonuclease cleavage of polymeric substrates. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 105-117.	2.4	23
3	Immune Modulation by Human Secreted RNases at the Extracellular Space. Frontiers in Immunology, 2018, 9, 1012.	4.8	158
4	Positional scanning library applied to the human eosinophil cationic protein/RNase3 N-terminus reveals novel and potent anti-biofilm peptides. European Journal of Medicinal Chemistry, 2018, 152, 590-599.	5.5	21
5	Insights into the Antimicrobial Mechanism of Action of Human RNase6: Structural Determinants for Bacterial Cell Agglutination and Membrane Permeation. International Journal of Molecular Sciences, 2016, 17, 552.	4.1	51
6	A Novel RNase 3/ECP Peptide for Pseudomonas aeruginosa Biofilm Eradication That Combines Antimicrobial, Lipopolysaccharide Binding, and Cell-Agglutinating Activities. Antimicrobial Agents and Chemotherapy, 2016, 60, 6313-6325.	3.2	56
7	Exploring the mechanisms of action of human secretory <scp>RN</scp>ase 3 and <scp>RN</scp>ase 7 against Candida albicans. MicrobiologyOpen, 2016, 5, 830-845.	3.0	43
8	Structural basis for endotoxin neutralization by the eosinophil cationic protein. FEBS Journal, 2016, 283, 4176-4191.	4.7	22
9	The first crystal structure of human RNase 6 reveals a novel substrate-binding and cleavage site arrangement. Biochemical Journal, 2016, 473, 1523-1536.	3.7	44
10	Protein postâ€translational modification in host defense: the antimicrobial mechanism of action of human eosinophil cationic protein native forms. FEBS Journal, 2014, 281, 5432-5446.	4.7	19
11	Towards the rational design of antimicrobial proteins. FEBS Journal, 2013, 280, 5841-5852.	4.7	29
12	Nucleotide binding architecture for secreted cytotoxic endoribonucleases. Biochimie, 2013, 95, 1087-1097.	2.6	33
13	Insights into the Glycosaminoglycan-Mediated Cytotoxic Mechanism of Eosinophil Cationic Protein Revealed by NMR. ACS Chemical Biology, 2013, 8, 144-151.	3.4	27
14	Antimicrobial Action and Cell Agglutination by the Eosinophil Cationic Protein Are Modulated by the Cell Wall Lipopolysaccharide Structure. Antimicrobial Agents and Chemotherapy, 2012, 56, 2378-2385.	3.2	78
15	Structural determinants of the eosinophil cationic protein antimicrobial activity. Biological Chemistry, 2012, 393, 801-815.	2.5	59
16	The sulfate-binding site structure of the human eosinophil cationic protein as revealed by a new crystal form. Journal of Structural Biology, 2012, 179, 1-9.	2.8	10
17	Mapping the eosinophil cationic protein antimicrobial activity by chemical and enzymatic cleavage. Biochimie, 2011, 93, 331-338.	2.6	24
18	Processing and immobilization of enzyme Ribonuclease A through laser irradiation. Journal of Materials Research, 2011, 26, 815-821.	2.6	16

#	Article	IF	Citations
19	Comparison of human RNase 3 and RNase 7 bactericidal action at the Gramâ€negative and Gramâ€positive bacterial cell wall. FEBS Journal, 2010, 277, 1713-1725.	4.7	95
20	NMR Structural Determinants of Eosinophil Cationic Protein Binding toÂMembrane and Heparin Mimetics. Biophysical Journal, 2010, 98, 2702-2711.	0.5	27
21	The¹H,¹³C,¹⁵N resonance assignment, solution structure, and residue level stability of eosinophil cationic protein/RNase 3 determined by NMR spectroscopy. Biopolymers, 2009, 91, 1018-1028.	2.4	14
22	Eosinophil Cationic Protein High-Affinity Binding to Bacteria-Wall Lipopolysaccharides and Peptidoglycans. Biochemistry, 2008, 47, 3544-3555.	2.5	116
23	Thermal unfolding of eosinophil cationic protein/ribonuclease 3: A nonreversible process. Protein Science, 2006, 15, 2816-2827.	7.6	15
24	A phosphate-binding subsite in bovine pancreatic ribonuclease A can be converted into a very efficient catalytic site. Protein Science, 2006, 16, 99-109.	7.6	10