

Mohammed Moussaoui

List of Publications by Year in descending order

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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	Immune Modulation by Human Secreted RNases at the Extracellular Space. <i>Frontiers in Immunology</i> , 2018, 9, 1012.	4.8	158
2	Eosinophil Cationic Protein High-Affinity Binding to Bacteria-Wall Lipopolysaccharides and Peptidoglycans. <i>Biochemistry</i> , 2008, 47, 3544-3555.	2.5	116
3	Comparison of human RNase 3 and RNase 7 bactericidal action at the Gram-negative and Gram-positive bacterial cell wall. <i>FEBS Journal</i> , 2010, 277, 1713-1725.	4.7	95
4	Antimicrobial Action and Cell Agglutination by the Eosinophil Cationic Protein Are Modulated by the Cell Wall Lipopolysaccharide Structure. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2378-2385.	3.2	78
5	Structural determinants of the eosinophil cationic protein antimicrobial activity. <i>Biological Chemistry</i> , 2012, 393, 801-815.	2.5	59
6	A Novel RNase 3/ECP Peptide for <i>Pseudomonas aeruginosa</i> Biofilm Eradication That Combines Antimicrobial, Lipopolysaccharide Binding, and Cell-Agglutinating Activities. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6313-6325.	3.2	56
7	Insights into the Antimicrobial Mechanism of Action of Human RNase6: Structural Determinants for Bacterial Cell Agglutination and Membrane Permeation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 552.	4.1	51
8	The first crystal structure of human RNase 6 reveals a novel substrate-binding and cleavage site arrangement. <i>Biochemical Journal</i> , 2016, 473, 1523-1536.	3.7	44
9	Exploring the mechanisms of action of human secretory RNase 3 and RNase 7 against <i>Candida albicans</i> . <i>MicrobiologyOpen</i> , 2016, 5, 830-845.	3.0	43
10	Nucleotide binding architecture for secreted cytotoxic endoribonucleases. <i>Biochimie</i> , 2013, 95, 1087-1097.	2.6	33
11	Towards the rational design of antimicrobial proteins. <i>FEBS Journal</i> , 2013, 280, 5841-5852.	4.7	29
12	NMR Structural Determinants of Eosinophil Cationic Protein Binding to Membrane and Heparin Mimetics. <i>Biophysical Journal</i> , 2010, 98, 2702-2711.	0.5	27
13	Insights into the Glycosaminoglycan-Mediated Cytotoxic Mechanism of Eosinophil Cationic Protein Revealed by NMR. <i>ACS Chemical Biology</i> , 2013, 8, 144-151.	3.4	27
14	Mapping the eosinophil cationic protein antimicrobial activity by chemical and enzymatic cleavage. <i>Biochimie</i> , 2011, 93, 331-338.	2.6	24
15	Characterization of an RNase with two catalytic centers. Human RNase6 catalytic and phosphate-binding site arrangement favors the endonuclease cleavage of polymeric substrates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 105-117.	2.4	23
16	Structural basis for endotoxin neutralization by the eosinophil cationic protein. <i>FEBS Journal</i> , 2016, 283, 4176-4191.	4.7	22
17	Positional scanning library applied to the human eosinophil cationic protein/RNase3 N-terminus reveals novel and potent anti-biofilm peptides. <i>European Journal of Medicinal Chemistry</i> , 2018, 152, 590-599.	5.5	21
18	Protein post-translational modification in host defense: the antimicrobial mechanism of action of human eosinophil cationic protein native forms. <i>FEBS Journal</i> , 2014, 281, 5432-5446.	4.7	19

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19	Processing and immobilization of enzyme Ribonuclease A through laser irradiation. Journal of Materials Research, 2011, 26, 815-821.	2.6	16
20	Thermal unfolding of eosinophil cationic protein/ribonuclease 3: A nonreversible process. Protein Science, 2006, 15, 2816-2827.	7.6	15
21	The ¹ H, ¹³ C, ¹⁵ N 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	Evolutionary Trends in RNA Base Selectivity Within the RNase A Superfamily. Frontiers in Pharmacology, 2019, 10, 1170.	3.5	14
23	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
24	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