

Moez Rhimi

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,022
citations

279487

23
h-index

253896

43
g-index

59
all docs

59
docs citations

59
times ranked

3100
citing authors

#	ARTICLE	IF	CITATIONS
1	Indole, a Signaling Molecule Produced by the Gut Microbiota, Negatively Impacts Emotional Behaviors in Rats. <i>Frontiers in Neuroscience</i> , 2018, 12, 216.	1.4	179
2	Biochemical and molecular characterization of a detergent-stable serine alkaline protease from <i>Bacillus pumilus</i> CBS with high catalytic efficiency. <i>Biochimie</i> , 2008, 90, 1291-1305.	1.3	166
3	Microbial impact on cholesterol and bile acid metabolism: current status and future prospects. <i>Journal of Lipid Research</i> , 2019, 60, 323-332.	2.0	149
4	Beneficial metabolic effects of selected probiotics on diet-induced obesity and insulin resistance in mice are associated with improvement of dysbiotic gut microbiota. <i>Environmental Microbiology</i> , 2016, 18, 1484-1497.	1.8	127
5	The intestinal microbiota regulates host cholesterol homeostasis. <i>BMC Biology</i> , 2019, 17, 94.	1.7	125
6	Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E334-E352.	1.8	119
7	Cloning, purification and biochemical characterization of metallic-ions independent and thermoactive l-arabinose isomerase from the <i>Bacillus stearothermophilus</i> US100 strain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 191-199.	1.1	82
8	Structuring Detergents for Extracting and Stabilizing Functional Membrane Proteins. <i>PLoS ONE</i> , 2011, 6, e18036.	1.1	77
9	Characterization of an l-arabinose isomerase from the <i>Lactobacillus plantarum</i> NC8 strain showing pronounced stability at acidic pH. <i>FEMS Microbiology Letters</i> , 2007, 277, 260-267.	0.7	67
10	Fecal Serine Protease Profiling in Inflammatory Bowel Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 21.	1.8	62
11	The acid tolerant l-arabinose isomerase from the food grade <i>Lactobacillus sakei</i> 23K is an attractive d-tagatose producer. <i>Bioresource Technology</i> , 2010, 101, 9171-9177.	4.8	60
12	Olfactory epithelium changes in germfree mice. <i>Scientific Reports</i> , 2016, 6, 24687.	1.6	49
13	Rational design of <i>Bacillus stearothermophilus</i> US100 l-arabinose isomerase: Potential applications for d-tagatose production. <i>Biochimie</i> , 2009, 91, 650-653.	1.3	44
14	Production of d-tagatose, a low caloric sweetener during milk fermentation using l-arabinose isomerase. <i>Bioresource Technology</i> , 2011, 102, 3309-3315.	4.8	43
15	Co-expression of l-arabinose isomerase and d-glucose isomerase in <i>E. coli</i> and development of an efficient process producing simultaneously d-tagatose and d-fructose. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1531-1537.	1.6	41
16	Efficient bioconversion of lactose in milk and whey: immobilization and biochemical characterization of a β -galactosidase from the dairy <i>Streptococcus thermophilus</i> LMD9 strain. <i>Research in Microbiology</i> , 2010, 161, 515-525.	1.0	36
17	Genome Sequence of <i>Candidatus</i> <i>Arthromitus</i> sp. Strain SFB-Mouse-NL, a Commensal Bacterium with a Key Role in Postnatal Maturation of Gut Immune Functions. <i>Genome Announcements</i> , 2014, 2, .	0.8	35
18	Siropins, novel serine protease inhibitors from gut microbiota acting on human proteases involved in inflammatory bowel diseases. <i>Microbial Cell Factories</i> , 2016, 15, 201.	1.9	33

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19	Addition of dairy lipids and probiotic <i>Lactobacillus fermentum</i> in infant formula programs gut microbiota and entero-insular axis in adult minipigs. <i>Scientific Reports</i> , 2018, 8, 11656.	1.6	33
20	Bile Salt Hydrolases: At the Crossroads of Microbiota and Human Health. <i>Microorganisms</i> , 2021, 9, 1122.	1.6	33
21	Identification and characterization of inhibitors of cytoplasmic 5'-nucleotidase cN-II issued from virtual screening. <i>Biochemical Pharmacology</i> , 2013, 85, 497-506.	2.0	29
22	The acid-tolerant L-arabinose isomerase from the mesophilic <i>Shewanella</i> sp. ANA-3 is highly active at low temperatures. <i>Microbial Cell Factories</i> , 2011, 10, 96.	1.9	28
23	Probing the Essential Catalytic Residues and Substrate Affinity in the Thermoactive <i>Bacillus stearothermophilus</i> US100 I-Arabinose Isomerase by Site-Directed Mutagenesis. <i>Journal of Bacteriology</i> , 2007, 189, 3556-3563.	1.0	27
24	The attractive recombinant phytase from <i>Bacillus licheniformis</i> : biochemical and molecular characterization. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5937-5947.	1.7	24
25	Exploring the acidotolerance of β -galactosidase from <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> : an attractive enzyme for lactose bioconversion. <i>Research in Microbiology</i> , 2009, 160, 775-784.	1.0	23
26	Discriminatory antibacterial effects of calix[n]arene capped silver nanoparticles with regard to Gram positive and Gram negative bacteria. <i>Chemical Communications</i> , 2013, 49, 7150.	2.2	21
27	Serine protease inhibitors and human wellbeing interplay: new insights for old friends. <i>PeerJ</i> , 2019, 7, e7224.	0.9	20
28	Multiple Selection Criteria for Probiotic Strains with High Potential for Obesity Management. <i>Nutrients</i> , 2021, 13, 713.	1.7	19
29	Bile Acids: Key Players in Inflammatory Bowel Diseases?. <i>Cells</i> , 2022, 11, 901.	1.8	19
30	The acid tolerant and cold-active β -galactosidase from <i>Lactococcus lactis</i> strain is an attractive biocatalyst for lactose hydrolysis. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 701-712.	0.7	18
31	Serine proteases at the cutting edge of IBD: Focus on gastrointestinal inflammation. <i>FASEB Journal</i> , 2020, 34, 7270-7282.	0.2	18
32	Exploring the Bacterial Impact on Cholesterol Cycle: A Numerical Study. <i>Frontiers in Microbiology</i> , 2020, 11, 1121.	1.5	17
33	Identification of New Potential Biotherapeutics from Human Gut Microbiota-Derived Bacteria. <i>Microorganisms</i> , 2021, 9, 565.	1.6	16
34	<i>Bacillus</i> phytases: Current status and future prospects. <i>Bioengineered</i> , 2015, 6, 233-236.	1.4	15
35	Bacterial L-Arabinose Isomerases: Industrial Application for D-Tagatose Production. <i>Recent Patents on DNA & Gene Sequences</i> , 2011, 5, 194-201.	0.7	13
36	Large negatively charged organic host molecules as inhibitors of endonuclease enzymes. <i>Chemical Communications</i> , 2014, 50, 11404-11406.	2.2	12

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37	The secreted l-arabinose isomerase displays anti-hyperglycemic effects in mice. <i>Microbial Cell Factories</i> , 2015, 14, 204.	1.9	12
38	Bacterial sucrose isomerases: properties and structural studies. <i>Biologia (Poland)</i> , 2008, 63, 1020-1027.	0.8	11
39	Mutations inducing an active-site aperture in <i>Rhizobium</i> sp. sucrose isomerase confer hydrolytic activity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 298-307.	2.5	11
40	Fatâ€Shaped Microbiota Affects Lipid Metabolism, Liver Steatosis, and Intestinal Homeostasis in Mice Fed a Lowâ€Protein Diet. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900835.	1.5	11
41	Digestive Inflammation: Role of Proteolytic Dysregulation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2817.	1.8	10
42	Gut Serpinome: Emerging Evidence in IBD. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6088.	1.8	10
43	Supramolecular stabilization of acid tolerant l-arabinose isomerase from <i>Lactobacillus sakei</i> . <i>Chemical Communications</i> , 2011, 47, 12307.	2.2	9
44	Cytosine: para-sulphonato-calix[4]arene assemblies: in solution, in the solid-state and on the surface of hybrid silver nanoparticles. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 77, 213-221.	0.9	8
45	para-Sulphonato-calix[n]arenes as selective activators for the passage of molecules across the Caco-2 model intestinal membrane. <i>Chemical Communications</i> , 2015, 51, 9374-9376.	2.2	8
46	Patented Biotechnological Applications of Serpin: an Update. <i>Recent Patents on DNA & Gene Sequences</i> , 2013, 7, 137-143.	0.7	8
47	Domestic Environment and Gut Microbiota: Lessons from Pet Dogs. <i>Microorganisms</i> , 2022, 10, 949.	1.6	7
48	Involvement of alanine 103 residue in kinetic and physicochemical properties of glucose isomerases from <i>Streptomyces</i> species. <i>Biotechnology Journal</i> , 2007, 2, 254-259.	1.8	6
49	Involvement of cysteine 306 and alanine 63 in the thermostability and oligomeric organization of glucose isomerase from <i>Streptomyces</i> sp. SK. <i>Biologia (Poland)</i> , 2009, 64, 845-851.	0.8	6
50	Sildenafil citrate long-term treatment effects on cardiovascular reactivity in a SHR experimental model of metabolic syndrome. <i>PLoS ONE</i> , 2019, 14, e0223914.	1.1	6
51	para-Sulphonato-calix[n]arene capped silver nanoparticles challenge the catalytic efficiency and the stability of a novel human gut serine protease inhibitor. <i>Chemical Communications</i> , 2019, 55, 8935-8938.	2.2	5
52	Biotechnological Applications of Serine Proteases: A Patent Review. <i>Recent Patents on Biotechnology</i> , 2018, 12, 280-287.	0.4	4
53	SP-1, a Serine Protease from the Gut Microbiota, Influences Colitis and Drives Intestinal Dysbiosis in Mice. <i>Cells</i> , 2021, 10, 2658.	1.8	4
54	Size and Flexibility Define the Inhibition of the H3N2 Influenza Endonuclease Enzyme by Calix[n]arenes. <i>Antibiotics</i> , 2019, 8, 73.	1.5	3

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55	Recent Patents on Hypocholesterolemic Therapeutic Strategies: An Update. Recent Advances in DNA & Gene Sequences, 2016, 9, 36-44.	0.7	2
56	Structure/Function Relationships of Sucrose Isomerases with Different Product Specificity. Journal of Applied Glycoscience (1999), 2010, 57, 219-228.	0.3	2
57	Relevant Patented Biotechnological Applications of Ecotin: An Update. Recent Patents on Biotechnology, 2018, 12, 233-238.	0.4	0