Abdulsamie Hanano

List of Publications by Year
in descending order

27 papers	600 citations	623734 14 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	528 citing authors

#	Article	IF	Citations
1	Plant Seed Peroxygenase Is an Original Heme-oxygenase with an EF-hand Calcium Binding Motif. Journal of Biological Chemistry, 2006, 281, 33140-33151.	3.4	131
2	The Reductase Activity of the Arabidopsis Caleosin RESPONSIVE TO DESSICATION20 Mediates Gibberellin-Dependent Flowering Time, Abscisic Acid Sensitivity, and Tolerance to Oxidative Stress Â. Plant Physiology, 2014, 166, 109-124.	4.8	53
3	A Caleosin-Like Protein with Peroxygenase Activity Mediates Aspergillus flavus Development, Aflatoxin Accumulation, and Seed Infection. Applied and Environmental Microbiology, 2015, 81, 6129-6144.	3.1	30
4	Stereochemical features of the hydrolysis of 9,10-epoxystearic acid catalysed by plant and mammalian epoxide hydrolases. Biochemical Journal, 2002, 366, 471-480.	3.7	29
5	Differential tissue accumulation of 2,3,7,8-Tetrachlorinated dibenzo-p-dioxin in Arabidopsis thaliana affects plant chronology, lipid metabolism and seed yield. BMC Plant Biology, 2015, 15, 193.	3.6	27
6	Involvement of the caleosin/peroxygenase RD20 in the control of cell death during Arabidopsis responses to pathogens. Plant Signaling and Behavior, 2015, 10, e991574.	2.4	27
7	Traceability of polychlorinated dibenzo-dioxins/furans pollutants in soil and their ecotoxicological effects on genetics, functions and composition of bacterial community. Chemosphere, 2014, 108, 326-333.	8.2	26
8	The Peroxygenase Activity of the Aspergillus flavus Caleosin, AfPXG, Modulates the Biosynthesis of Aflatoxins and Their Trafficking and Extracellular Secretion via Lipid Droplets. Frontiers in Microbiology, 2018, 9, 158.	3.5	26
9	Phytotoxicity effects and biological responses of Arabidopsis thaliana to 2,3,7,8-tetrachlorinated dibenzo-p-dioxin exposure. Chemosphere, 2014, 104, 76-84.	8.2	25
10	Identification of a dioxin-responsive oxylipin signature in roots of date palm: involvement of a 9-hydroperoxide fatty acid reductase, caleosin/peroxygenase PdPXG2. Scientific Reports, 2018, 8, 13181.	3.3	24
11	Evolutionary and genomic analysis of the caleosin/peroxygenase (CLO/PXG) gene/protein families in the Viridiplantae. PLoS ONE, 2018, 13, e0196669.	2.5	23
12	Biochemical, Transcriptional, and Bioinformatic Analysis of Lipid Droplets from Seeds of Date Palm (Phoenix dactylifera L.) and Their Use as Potent Sequestration Agents against the Toxic Pollutant, 2,3,7,8-Tetrachlorinated Dibenzo-p-Dioxin. Frontiers in Plant Science, 2016, 7, 836.	3.6	21
13	Specific Caleosin/Peroxygenase and Lipoxygenase Activities Are Tissue-Differentially Expressed in Date Palm (Phoenix dactylifera L.) Seedlings and Are Further Induced Following Exposure to the Toxin 2,3,7,8-tetrachlorodibenzo-p-dioxin. Frontiers in Plant Science, 2016, 7, 2025.	3.6	20
14	Saccharomyces cerevisiae SHSY detoxifies petroleum n-alkanes by an induced CYP52A58 and an enhanced order in cell surface hydrophobicity. Chemosphere, 2015, 135, 418-426.	8.2	18
15	Arabidopsis plants exposed to dioxin result in a WRINKLED seed phenotype due to 20S proteasomal degradation of WRI1. Journal of Experimental Botany, 2018, 69, 1781-1794.	4.8	16
16	Exposure of Aspergillus flavus NRRL 3357 to the Environmental Toxin, 2,3,7,8-Tetrachlorinated Dibenzo-p-Dioxin, Results in a Hyper Aflatoxicogenic Phenotype: A Possible Role for Caleosin/Peroxygenase (AfPXG). Frontiers in Microbiology, 2019, 10, 2338.	3.5	16
17	Biochemical, Molecular, and Transcriptional Highlights of the Biosynthesis of an Effective Biosurfactant Produced by Bacillus safensis PHA3, a Petroleum-Dwelling Bacteria. Frontiers in Microbiology, 2017, 8, 77.	3.5	13
18	The cytochrome P450BM-1 of Bacillus megaterium A14K is induced by 2,3,7,8-Tetrachlorinated dibenzo-p-dioxin: Biophysical, molecular and biochemical determinants. Chemosphere, 2019, 216, 258-270.	8.2	12

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19	Evolutionary, structural and functional analysis of the caleosin/peroxygenase gene family in the Fungi. BMC Genomics, 2018, 19, 976.	2.8	11
20	Dioxin impacts on lipid metabolism of soil microbes: towards effective detection and bioassessment strategies. Bioresources and Bioprocessing, 2020, 7, .	4.2	11
21	Silencing of <scp>E</scp>rwinia amylovora sy69 <scp>AHL</scp>â€quorum sensing by a <scp>B</scp>acillus simplex <scp>AHL</scp>â€inducible aiiA gene encoding a zincâ€dependent Nâ€acylâ€homoserine lactonase. Plant Pathology, 2014, 63, 773-783.	2.4	9
22	Removal of petroleumâ€crude oil from aqueous solution by Saccharomyces cerevisiae SHSY strain necessitates at least an inducible CYP450ALK homolog gene. Journal of Basic Microbiology, 2014, 54, 358-368.	3.3	8
23	Involvement of hepatic lipid droplets and their associated proteins in the detoxification of aflatoxin B1 in aflatoxin-resistance BALB/C mouse. Toxicology Reports, 2020, 7, 795-804.	3.3	8
24	Characterization of lipid droplets from a Taxus media cell suspension and their potential involvement in trafficking and secretion of paclitaxel. Plant Cell Reports, 2022, 41, 853-871.	5.6	7
25	Immuno-detection of dioxins using a recombinant protein of aryl hydrocarbon receptor (AhR) fused with sfGFP. BMC Biotechnology, 2016, 16, 51.	3.3	4
26	Functional involvement of caleosin/peroxygenase PdPXG4 in the accumulation of date palm leaf lipid droplets after exposure to dioxins. Environmental Pollution, 2021, 281, 116966.	7.5	4
27	Quantitative PCR (qPCR) Reveals that the Aflatoxin-Free Pistachio Samples Can Be Potentially Contaminated with Fungal Materials. Food Analytical Methods, 2022, 15, 2703-2711.	2.6	1