Edmundo Lozoya-Gloria

List of Publications by Year
in descending order

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52	826	566801	552369
papers	citations	15 h-index	26 g-index

53	53	53	1075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments in abscission: shedding light on the shedding process. Trends in Plant Science, 1998, 3, 10-14.	4.3	98
2	Overexpression in Catharanthus roseus Hairy Roots of a Truncated Hamster 3-Hydroxy-3-Methylglutaryl-CoA Reductase Gene. Applied Biochemistry and Biotechnology, 2002, 97, 135-146.	1.4	78
3	Symptom Remission and Specific Resistance of Pepper Plants After Infection by Pepper golden mosaic virus. Phytopathology, 2007, 97, 51-59.	1.1	52
4	Differential Induction of Sesquiterpene Metabolism in Tobacco Cell Suspension Cultures by Methyl Jasmonate and Fungal Elicitor. Archives of Biochemistry and Biophysics, 2000, 381, 285-294.	1.4	50
5	Local and systemic gene expression of sesquiterpene phytoalexin biosynthetic enzymes in plant leaves. European Journal of Plant Pathology, 2008, 121, 439-449.	0.8	36
6	Gene expression and enzyme activity of pepper (Capsicum annuum L.) ascorbate oxidase during elicitor and wounding stress. Plant Science, 2004, 166, 237-243.	1.7	30
7	Non-severe thermochemical hydrolysis of stover from white corn and sequential enzymatic saccharification and fermentation to ethanol. Bioresource Technology, 2015, 198, 611-618.	4.8	30
8	Biosynthesis of the sesquiterpenic phytoalexin capsidiol in elicited root cultures of chili pepper (Capsicum annuum). Plant Cell Reports, 1996, 15, 360-366.	2.8	29
9	Capsidiol production in pepper fruits (Capsicum annuum L.) induced by arachidonic acid is dependent of an oxidative burst. Physiological and Molecular Plant Pathology, 2007, 70, 69-76.	1.3	29
10	Volatiles and seasonal variation of the essential oil composition from the leaves of Clinopodium macrostemum var. laevigatum and its biological activities. Industrial Crops and Products, 2015, 77, 741-747.	2.5	23
11	The capsicum transcriptome DB: a "hot" tool for genomic research. Bioinformation, 2012, 8, 43-47.	0.2	22
12	Tight linkage of genes that encode the two glutamate synthase subunits of Escherichia coli K-12. Journal of Bacteriology, 1980, 144, 616-621.	1.0	21
13	Functional characterization of amyrin synthase involved in ursolic acid biosynthesis in Catharanthus roseus leaf epidermis. Phytochemistry, 2013, 91, 122-127.	1.4	19
14	Essential oil composition and biological/pharmacological properties of Salmea scandens (L.) DC. Food Control, 2015, 57, 177-184.	2.8	19
15	Cellulase and Xylanase Production by the Mexican Strain Talaromyces stollii LV186 and Its Application in the Saccharification of Pretreated Corn and Sorghum Stover. Bioenergy Research, 2016, 9, 1034-1045.	2.2	16
16	Elicitors on steviosides production in Stevia rebaudiana Bertoni calli. Scientia Horticulturae, 2018, 242, 95-102.	1.7	16
17	Induced gene expression of 1-aminocyclopropane-1-carboxylic acid (ACC oxidase) in pepper (Capsicum) Tj ETQq1 1 0.784314 rgBT /O	1.7	15
18	Montanoa tomentosa glandular trichomes containing kaurenoic acids chemical profile and distribution. FÃ¬toterapÃ¬Ã¢, 2009, 80, 12-17.	1.1	15

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19	Seasonal variation in phytochemicals and nutraceutical potential of Begonia nelumbiifolia consumed in Puebla, MÃ©xico. Journal of Food Science and Technology, 2017, 54, 1484-1490.	1.4	15
20	Kaurenoic Acid. Studies in Natural Products Chemistry, 2016, 51, 151-174.	0.8	13
21	Volatile Composition and Biological Activities of the Leaf Essential Oil from Zanthoxylum limoncello Grown in Oaxaca, MÃ©xico. Chemistry and Biodiversity, 2019, 16, e1800498.	1.0	13
22	Isolation of an elicitor-stimulated 5-epi-aristolochene synthase gene (gPEAS1) from chili pepper (Capsicum annuum). Physiologia Plantarum, 2000, 110, 410-418.	2.6	13
23	A Phaseolus vulgaris EF-hand calcium-binding domain is induced early in the defense response against Colletotrichum lindemuthianum and by abiotic stress: Sequences shared between interacting partners. Physiological and Molecular Plant Pathology, 2008, 72, 111-121.	1.3	12
24	Biosynthesis of uterotonic diterpenes from Montanoa tomentosa (zoapatle). Journal of Plant Physiology, 2009, 166, 1961-1967.	1.6	12
25	Stress responses of the oil-producing green microalgaBotryococcus brauniiRace B. PeerJ, 2016, 4, e2748.	0.9	12
26	Antisense expression of hmg1 from Arabidopsis thaliana encoding 3-hydroxy-3-methylglutaryl coenzyme A reductase, reduces isoprenoid production in transgenic tobacco plants. Journal of Plant Physiology, 1998, 153, 415-424.	1.6	11
27	Differential early gene expression in Phaseolus vulgaris to Mexican isolates of Colletotrichum lindemuthianum in incompatible and compatible interactions. Physiological and Molecular Plant Pathology, 2003, 63, 79-89.	1.3	10
28	Cytochrome P450 from Plants: Platforms for Valuable Phytopharmaceuticals. Tropical Journal of Pharmaceutical Research, 2015, 14, 731.	0.2	9
29	Partial purification and characterization of an elicitor stimulated sesquiterpene cyclase from chili pepper (Capsicum annuum L.) fruits. Plant Science, 1997, 124, 23-31.	1.7	8
30	Alkaloid profile, antibacterial and allelopathic activities of Lupinus jaimehintoniana B.L. Turner (Fabaceae). Archives of Biological Sciences, 2012, 64, 1065-1071.	0.2	8
31	Ultraviolet lightâ€€ increases antioxidant capacity of the strawberry (Fragaria x ananassa) in vitro and in highâ€fat dietâ€induced obese rats. Food Science and Nutrition, 2017, 5, 1004-1014.	1.5	8
32	1Hâ€NMR metabolomics profiling of recombinant tobacco plants holding a promoter of a sesquiterpene cyclase. Phytochemical Analysis, 2020, 31, 480-487.	1.2	8
33	Specific Synthesis of 5,5â€˜-Dicapsaicin by Cell Suspension Cultures ofCapsicumannuumVar.annuum(Chili) Tj ETQq1 1 0.784314 rgBT /(Agricultural and Food Chemistry, 2004, 52, 972-979.	2.4	7
34	Strawberry Intake Ameliorates Oxidative Stress and Decreases GABA Levels Induced by High-Fat Diet in Frontal Cortex of Rats. Antioxidants, 2019, 8, 70.	2.2	7
35	Influence of Environmental Factors on the Genetic and Chemical Diversity of Brickellia veronicifolia Populations Growing in Fragmented Shrublands from Mexico. Plants, 2021, 10, 325.	1.6	7
36	ROS Detection in Botryococcus braunii Colonies with CellROX Green Reagent. Bio-protocol, 2017, 7, e2508.	0.2	6

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37	Peppermint Essential Oil and Its Major Volatiles as Protective Agents against Soft Rot Caused by Fusarium sambucinum in Cera Pepper (Capsicum pubescens). Chemistry and Biodiversity, 2022, 19, e2100835.	1.0	6
38	Volatile organic compounds of leaves and flowers ofMontanoa tomentosa. Flavour and Fragrance Journal, 2006, 21, 225-227.	1.2	5
39	Nutraceutical potential and hypolipidemic properties of the volatiles from the edible leaves ofPeperomia maculosa. Journal of Food Biochemistry, 2018, 42, e12650.	1.2	5
40	The Colonial Microalgae Botryococcus braunii as Biorefinery. , 0, , .		5
41	Chemical profile, nutraceutical and anti-phytobacterial properties of the essential oil from Dalea foliolosa (Fabaceae). Emirates Journal of Food and Agriculture, 0, , 724.	1.0	5
42	Functional characterization of ent-kaurene oxidase, MtKO, from Montanoa tomentosa (Zoapatle). Archives of Biological Sciences, 2015, 67, 193-199.	0.2	4
43	Isolation of an elicitorâ€stimulated 5â€epiâ€aristolochene synthase gene (gPEAS1) from chili pepper (Capsicum annuum). Physiologia Plantarum, 2000, 110, 410-418.	2.6	3
44	Tanscript accumulation of the mevalonate pathway genes and enzymatic activity of HMGCoA-r and EAS in chilli CM-334 infected by the false root-knot nematode Nacobbus aberrans. Plant and Soil, 2013, 372, 339-348.	1.8	3
45	Biosynthesis of the sesquiterpenic phytoalexin capsidiol in elicited root cultures of chili pepper () Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	3
46	The effect of acetylation of capsidiol phytoalexin on fungitoxic activity. Archives of Phytopathology and Plant Protection, 2007, 40, 69-73.	0.6	2
47	Hernandulcin Production in Cell Suspensions of Phyla Scaberrima: Exploring Hernandulcin Accumulation through Physical and Chemical Stimuli. Chemistry and Biodiversity, 2021, 18, e2100611.	1.0	2
48	Biochemical and Molecular Tools for the Production of Useful Terpene Products from Pepper (Capsicum Annuum). Advances in Experimental Medicine and Biology, 1999, 464, 63-76.	0.8	2
49	In Silico and Cellular Differences Related to the Cell Division Process between the A and B Races of the Colonial Microalga Botryococcus braunii. Biomolecules, 2021, 11, 1463.	1.8	2
50	Biosynthesis of Flavonoids and Furanocoumarins in Parsley Cell Cultures after Simultaneous Treatment with Fungal Elicitor and UV Light. Planta Medica, 1990, 56, 497-497.	0.7	1
51	Chapter twelve Xochipilli updated, terpenes from Mexican plants. Recent Advances in Phytochemistry, 2003, 37, 285-311.	0.5	1
52	Volatiles from Marina neglecta: Biocide effect on insect vectors of tropical diseases in Southern Mexico. Journal of Asia-Pacific Entomology, 2021, , .	0.4	0