Philippe Jeandet

List of Publications by Year
in descending order

66	5,266	81900	102487
papers	citations	39 h-index	66 g-index

66	66	66	5160
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phytoalexins from the Vitaceae: Biosynthesis, Phytoalexin Gene Expression in Transgenic Plants, Antifungal Activity, and Metabolism. Journal of Agricultural and Food Chemistry, 2002, 50, 2731-2741.	5.2	539
2	Flavonoid biosynthetic pathways in plants: Versatile targets for metabolic engineering. Biotechnology Advances, 2020, 38, 107316.	11.7	307
3	Biological Activity of Resveratrol, a Stilbenic Compound from Grapevines, Against Botrytis cinerea, the Causal Agent for Gray Mold. Journal of Chemical Ecology, 1997, 23, 1689-1702.	1.8	229
4	Biosynthesis, metabolism, molecular engineering, and biological functions of stilbene phytoalexins in plants. BioFactors, 2010, 36, 331-341.	5.4	214
5	Chitosan Oligomers and Copper Sulfate Induce Grapevine Defense Reactions and Resistance to Gray Mold and Downy Mildew. Phytopathology, 2006, 96, 1188-1194.	2.2	212
6	Bioproduction of resveratrol and stilbene derivatives by plant cells and microorganisms. Trends in Biotechnology, 2009, 27, 706-713.	9.3	189
7	Effect of Enological Practices on the Resveratrol Isomer Content of Wine. Journal of Agricultural and Food Chemistry, 1995, 43, 316-319.	5.2	173
8	The Role of Heavy Metals in Plant Response to Biotic Stress. Molecules, 2018, 23, 2320.	3.8	171
9	Deciphering the Role of Phytoalexins in Plant-Microorganism Interactions and Human Health. Molecules, 2014, 19, 18033-18056.	3.8	170
10	Changes in the Phytoalexin Content of Various Vitis Spp. in Response to Ultraviolet C Elicitation. Journal of Agricultural and Food Chemistry, 1999, 47, 4456-4461.	5.2	147
11	Modulation of Phytoalexin Biosynthesis in Engineered Plants for Disease Resistance. International Journal of Molecular Sciences, 2013, 14, 14136-14170.	4.1	139
12	Uncovering plant-pathogen crosstalk through apoplastic proteomic studies. Frontiers in Plant Science, 2014, 5, 249.	3.6	135
13	Molecular engineering of resveratrol in plants. Plant Biotechnology Journal, 2009, 7, 2-12.	8.3	134
14	HPLC Analysis of Grapevine Phytoalexins Coupling Photodiode Array Detection and Fluorometry. Analytical Chemistry, 1997, 69, 5172-5177.	6.5	127
15	Elicitors as alternative strategy to pesticides in grapevine? Current knowledge on their mode of action from controlled conditions to vineyard. Environmental Science and Pollution Research, 2014, 21, 4837-4846.	5.3	121
16	Effects of resveratrol on the ultrastructure of Botrytis cinerea conidia and biological significance in plant/pathogen interactions. FÃ¬toterapÃ¬Ã¢, 2012, 83, 1345-1350.	2.2	110
17	Biological Properties, Bioactive Constituents, and Pharmacokinetics of Some Capsicum spp. and Capsaicinoids. International Journal of Molecular Sciences, 2020, 21, 5179.	4.1	110
18	Combination Drug Therapy for the Management of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 3272.	4.1	110

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19	Metabolism of stilbene phytoalexins by Botrytis cinerea: 1. Characterization of a resveratrol dehydrodimer. Tetrahedron Letters, 1998, 39, 537-540.	1.4	99
20	Berberine as a Potential Anticancer Agent: A Comprehensive Review. Molecules, 2021, 26, 7368.	3.8	92
21	Bioproduction of resveratrol and viniferins by an elicited grapevine cell culture in a 2L stirred bioreactor. Process Biochemistry, 2011, 46, 1056-1062.	3.7	86
22	Molecular Insight into the Therapeutic Promise of Flavonoids against Alzheimerâ€™s Disease. Molecules, 2020, 25, 1267.	3.8	86
23	Metabolic Engineering of Yeast and Plants for the Production of the Biologically Active Hydroxystilbene, Resveratrol. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-14.	3.0	83
24	Revisiting the Amyloid Cascade Hypothesis: From Anti-AÎ² Therapeutics to Auspicious New Ways for Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 5858.	4.1	79
25	Neuroprotective role of polyphenols against oxidative stress-mediated neurodegeneration. European Journal of Pharmacology, 2020, 886, 173412.	3.5	74
26	Improved Resistance Against Botrytis cinerea by Grapevine-Associated Bacteria that Induce a Prime Oxidative Burst and Phytoalexin Production. Phytopathology, 2011, 101, 768-777.	2.2	73
27	Phytoalexins: Current Progress and Future Prospects. Molecules, 2015, 20, 2770-2774.	3.8	66
28	Resveratrol Oxidation in Botrytis cinerea Conidia. Phytopathology, 1998, 88, 472-476.	2.2	63
29	Effectiveness of beneficial bacteria to promote systemic resistance of grapevine to gray mold as related to phytoalexin production in vineyards. Plant and Soil, 2016, 405, 141-153.	3.7	63
30	Anthocyanins, multi-functional natural products of industrial relevance: Recent biotechnological advances. Biotechnology Advances, 2020, 43, 107600.	11.7	62
31	Resveratrol production at large scale using plant cell suspensions. Engineering in Life Sciences, 2014, 14, 622-632.	3.6	61
32	Phytostilbenes as agrochemicals: biosynthesis, bioactivity, metabolic engineering and biotechnology. Natural Product Reports, 2021, 38, 1282-1329.	10.3	56
33	Whole-cell biocatalytic, enzymatic and green chemistry methods for the production of resveratrol and its derivatives. Biotechnology Advances, 2020, 39, 107461.	11.7	55
34	Vaccine Design from the Ensemble of Surface Glycoprotein Epitopes of SARS-CoV-2: An Immunoinformatics Approach. Vaccines, 2020, 8, 423.	4.4	55
35	Characterization of a Pterostilbene Dehydrodimer Produced by Laccase of Botrytis cinerea. Phytopathology, 1999, 89, 298-302.	2.2	54
36	The Role of Sugars in Plant Responses to Stress and Their Regulatory Function during Development. International Journal of Molecular Sciences, 2022, 23, 5161.	4.1	54

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37	Anti-Cancer Activity of Resveratrol and Derivatives Produced by Grapevine Cell Suspensions in a 14 L Stirred Bioreactor. Molecules, 2017, 22, 474.	3.8	50
38	Engineering stilbene metabolic pathways in microbial cells. Biotechnology Advances, 2018, 36, 2264-2283.	11.7	47
39	Low responsiveness of grapevine flowers and berries at fruit set to UV-C irradiation. Journal of Experimental Botany, 2009, 60, 1155-1162.	4.8	46
40	Novel Anti-Alzheimerâ€™s Therapeutic Molecules Targeting Amyloid Precursor Protein Processing. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-19.	4.0	40
41	Regulation of resveratrol biosynthesis in grapevine: new approaches for disease resistance?. Journal of Experimental Botany, 2019, 70, 375-378.	4.8	37
42	Targeting cell cycle by Î²-carboline alkaloids in vitro: Novel therapeutic prospects for the treatment of cancer. Chemico-Biological Interactions, 2020, 330, 109229.	4.0	37
43	Use of grapevine cell cultures for the production of phytostilbenes of cosmetic interest. Comptes Rendus Chimie, 2016, 19, 1062-1070.	0.5	31
44	Anti-Alzheimerâ€™s Molecules Derived from Marine Life: Understanding Molecular Mechanisms and Therapeutic Potential. Marine Drugs, 2021, 19, 251.	4.6	31
45	Engineering Microbial Cells for the Biosynthesis of Natural Compounds of Pharmaceutical Significance. BioMed Research International, 2013, 2013, 1-13.	1.9	29
46	¹³C NMR and LC-MS Profiling of Stilbenes from Elicited Grapevine Hairy Root Cultures. Journal of Natural Products, 2016, 79, 2846-2855.	3.0	28
47	The Role of Sugars in the Regulation of the Level of Endogenous Signaling Molecules during Defense Response of Yellow Lupine to Fusarium oxysporum. International Journal of Molecular Sciences, 2020, 21, 4133.	4.1	28
48	Neuroinflammatory Signaling in the Pathogenesis of Alzheimerâ€™s Disease. Current Neuropharmacology, 2022, 20, 126-146.	2.9	28
49	Phytoalexin production in grapevine protoplasts during isolation and culture. Plant Physiology and Biochemistry, 2003, 41, 317-323.	5.8	24
50	Enhanced Stilbene Production and Excretion in Vitis vinifera cv Pinot Noir Hairy Root Cultures. Molecules, 2016, 21, 1703.	3.8	24
51	Natural Products for Neurodegeneration: Regulating Neurotrophic Signals. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-17.	4.0	23
52	Molecular Engineering of Phytoalexins in Plants: Benefits and Limitations for Food and Agriculture. Journal of Agricultural and Food Chemistry, 2017, 65, 2643-2644.	5.2	20
53	Resveratrol and cyclodextrins, an easy alliance: Applications in nanomedicine, green chemistry and biotechnology. Biotechnology Advances, 2021, 53, 107844.	11.7	20
54	Luteolin and cancer metastasis suppression: focus on the role of epithelial to mesenchymal transition. Medical Oncology, 2021, 38, 66.	2.5	19

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55	Cytotoxicity of Labruscol, a New Resveratrol Dimer Produced by Grapevine Cell Suspensions, on Human Skin Melanoma Cancer Cell Line HT-144. Molecules, 2017, 22, 1940.	3.8	12
56	A Comparison of Selected Biochemical and Physical Characteristics and Yielding of Fruits in Apple Cultivars (Malus domestica Borkh.). Agronomy, 2020, 10, 458.	3.0	12
57	Exploring the New Horizon of AdipoQ in Obesity-Related Alzheimerâ€™s Dementia. Frontiers in Physiology, 2020, 11, 567678.	2.8	12
58	The Antioxidative Role of Natural Compounds from a Green Coconut Mesocarp Undeniably Contributes to Control Diabetic Complications as Evidenced by the Associated Genes and Biochemical Indexes. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-22.	4.0	11
59	Structure, Chemical Analysis, Biosynthesis, Metabolism, Molecular Engineering, and Biological Functions of Phytoalexins. Molecules, 2018, 23, 61.	3.8	10
60	The Role of Saccharides in the Mechanisms of Pathogenicity of Fusarium oxysporum f. sp. lupini in Yellow Lupine (Lupinus luteus L.). International Journal of Molecular Sciences, 2020, 21, 7258.	4.1	10
61	Deciphering the Interacting Mechanisms of Circadian Disruption and Alzheimerâ€™s Disease. Neurochemical Research, 2021, 46, 1603-1617.	3.3	10
62	Camalexin accumulation as a component of plant immunity during interactions with pathogens and beneficial microbes. Planta, 2022, 255, 116.	3.2	8
63	Exploring the role of senescence inducers and senotherapeutics as targets for anticancer natural products. European Journal of Pharmacology, 2022, 928, 174991.	3.5	7
64	How Curcumin Targets Inflammatory Mediators in Diabetes: Therapeutic Insights and Possible Solutions. Molecules, 2022, 27, 4058.	3.8	7
65	Plants with Therapeutic Potential for Ischemic Acute Kidney Injury: A Systematic Review. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-22.	1.2	5
66	Profile of Semiquinone Radicals, Phytohormones and Sugars in Pistacia vera L. cv. Kirmizi Development. Agronomy, 2021, 11, 2115.	3.0	2