Charlotte Simmler

List of Publications by Year
in descending order

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35 papers	1,719 citations	393982 19 h-index	315357 38 g-index
39 all docs	39 docs citations	39 times ranked	2667 citing authors

#	Article	IF	Citations
1	Importance of Purity Evaluation and the Potential of Quantitative ¹H NMR as a Purity Assay. Journal of Medicinal Chemistry, 2014, 57, 9220-9231.	2.9	289
2	Universal quantitative NMR analysis of complex natural samples. Current Opinion in Biotechnology, 2014, 25, 51-59.	3.3	272
3	Phytochemistry and biological properties of glabridin. FÃ¬toterapÃ¬Ã¢, 2013, 90, 160-184.	1.1	190
4	Biochemical characterization and anti-inflammatory properties of an isothiocyanate-enriched moringa (Moringa oleifera) seed extract. PLoS ONE, 2017, 12, e0182658.	1.1	102
5	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. Natural Product Reports, 2019, 36, 35-107.	5.2	92
6	Evaluation of Estrogenic Activity of Licorice Species in Comparison with Hops Used in Botanicals for Menopausal Symptoms. PLoS ONE, 2013, 8, e67947.	1.1	75
7	Cytochrome P450 inhibition by three licorice species and fourteen licorice constituents. European Journal of Pharmaceutical Sciences, 2017, 109, 182-190.	1.9	53
8	Integrated analytical assets aid botanical authenticity and adulteration management. FÃ¬toterapÃ¬Ã¢, 2018, 129, 401-414.	1.1	49
9	Dynamic Residual Complexity of the Isoliquiritigeninâ€“Liquiritigenin Interconversion During Bioassay. Journal of Agricultural and Food Chemistry, 2013, 61, 2146-2157.	2.4	46
10	Antioxidant Biomarkers from Vanda coerulea Stems Reduce Irradiated HaCaT PGE-2 Production as a Result of COX-2 Inhibition. PLoS ONE, 2010, 5, e13713.	1.1	45
11	Metabolite Profiling and Classification of DNA-Authenticated Licorice Botanicals. Journal of Natural Products, 2015, 78, 2007-2022.	1.5	43
12	Evolution of Quantitative Measures in NMR: Quantum Mechanical qHNMR Advances Chemical Standardization of a Red Clover (Trifolium pratense) Extract. Journal of Natural Products, 2017, 80, 634-647.	1.5	42
13	Glucosyloxybenzyl Eucomate Derivatives from Vanda teres Stimulate HaCaT Cytochrome c Oxidase.. Journal of Natural Products, 2011, 74, 949-955.	1.5	40
14	Diarylheptanoids from Dioscorea villosa (Wild Yam). Journal of Natural Products, 2012, 75, 2168-2177.	1.5	40
15	Dissemination of original NMR data enhances reproducibility and integrity in chemical research. Natural Product Reports, 2016, 33, 1028-1033.	5.2	35
16	Induction of NAD(P)H:Quinone Oxidoreductase 1 (NQO1) by Glycyrrhiza Species Used for Womenâ€™s Health: Differential Effects of the Michael Acceptors Isoliquiritigenin and Licochalcone A. Chemical Research in Toxicology, 2015, 28, 2130-2141.	1.7	30
17	Differential Effects of Glycyrrhiza Species on Genotoxic Estrogen Metabolism: Licochalcone A Downregulates P450 1B1, whereas Isoliquiritigenin Stimulates It. Chemical Research in Toxicology, 2015, 28, 1584-1594.	1.7	25
18	New finding of an anti-TB compound in the genus Marsypopetalum (Annonaceae) from a traditional herbal remedy of Laos. Journal of Ethnopharmacology, 2014, 151, 903-911.	2.0	23

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19	SAR Study on Estrogen Receptor Î±/Î² Activity of (Iso)flavonoids: Importance of Prenylation, C-Ring (Un)Saturation, and Hydroxyl Substituents. Journal of Agricultural and Food Chemistry, 2020, 68, 10651-10663.	2.4	23
20	Speciesâ€specific Standardisation of Licorice by Metabolomic Profiling of Flavanones and Chalcones. Phytochemical Analysis, 2014, 25, 378-388.	1.2	21
21	Estrogen Receptor (ER) Subtype Selectivity Identifies 8-Prenylapigenin as an ERÎ² Agonist from Glycyrrhiza inflata and Highlights the Importance of Chemical and Biological Authentication. Journal of Natural Products, 2018, 81, 966-975.	1.5	20
22	Orthogonal Analysis Underscores the Relevance of Primary and Secondary Metabolites in Licorice. Journal of Natural Products, 2014, 77, 1806-1816.	1.5	19
23	K-Targeted Metabolomic Analysis Extends Chemical Subtraction to DESIGNER Extracts: Selective Depletion of Extracts of Hops (Humulus lupulus). Journal of Natural Products, 2014, 77, 2595-2604.	1.5	18
24	Digital NMR Profiles as Building Blocks: Assembling ¹H Fingerprints of Steviol Glycosides. Journal of Natural Products, 2015, 78, 658-665.	1.5	18
25	Holistic Analysis Enhances the Description of Metabolic Complexity in Dietary Natural Products. Advances in Nutrition, 2016, 7, 179-189.	2.9	14
26	Isolation and structural characterization of dihydrobenzofuran congeners of licochalcone A. FÃ¬toterapÃ¬Ã¢, 2017, 121, 6-15.	1.1	14
27	Evidence for Chemopreventive and Resilience Activity of Licorice: Glycyrrhiza Glabra and G. Inflata Extracts Modulate Estrogen Metabolism in ACI Rats. Cancer Prevention Research, 2018, 11, 819-830.	0.7	12
28	The DESIGNER Approach Helps Decipher the Hypoglycemic Bioactive Principles of Artemisia dracunculus (Russian Tarragon). Journal of Natural Products, 2019, 82, 3321-3329.	1.5	12
29	NMR reveals an undeclared constituent in custom synthetic peptides. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112915.	1.4	11
30	Structural Sequencing of Oligopeptides Aided by ¹H Iterative Full-Spin Analysis. Journal of Natural Products, 2017, 80, 2630-2643.	1.5	9
31	Selective Chlorophyll Removal Method to â€œDegreenâ€•Botanical Extracts. Journal of Natural Products, 2020, 83, 1846-1858.	1.5	8
32	Formation of (2R)- and (2S)-8-Prenylnaringenin Glucuronides by Human UDP-Glucuronosyltransferases. Journal of Agricultural and Food Chemistry, 2019, 67, 11650-11656.	2.4	5
33	Botanical Integrity: Part 2: Traditional and Modern Analytical Approaches. HerbalGram, 2016, 109, 60-64.	0.0	3
34	Absolute configuration of naturally occurring glabridin. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 1212-1216.	0.4	2
35	Botanical Integrity: The Importance of the Integration of Chemical, Biological, and Botanical Analyses, and the Role of DNA Barcoding. HerbalGram, 2015, 106, 58-60.	0.0	1