

# Charlotte Simmler

## List of Publications by Year in descending order

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35  
papers

1,719  
citations

394286

19  
h-index

315616

38  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2667  
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR reveals an undeclared constituent in custom synthetic peptides. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112915.	1.4	11
2	SAR Study on Estrogen Receptor $E_{1/2}$ Activity of (Iso)flavonoids: Importance of Prenylation, C-Ring (Un)Saturation, and Hydroxyl Substituents. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10651-10663.	2.4	23
3	Selective Chlorophyll Removal Method to "Degreen" Botanical Extracts. <i>Journal of Natural Products</i> , 2020, 83, 1846-1858.	1.5	8
4	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. <i>Natural Product Reports</i> , 2019, 36, 35-107.	5.2	92
5	Formation of (2 <i>R</i> )- and (2 <i>S</i> )-8-Prenylnaringenin Glucuronides by Human UDP-Glucuronosyltransferases. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11650-11656.	2.4	5
6	The DESIGNER Approach Helps Decipher the Hypoglycemic Bioactive Principles of <i>Artemisia dracunculus</i> (Russian Tarragon). <i>Journal of Natural Products</i> , 2019, 82, 3321-3329.	1.5	12
7	Estrogen Receptor (ER) Subtype Selectivity Identifies 8-Prenylapigenin as an $ER_{1/2}$ Agonist from <i>Glycyrrhiza inflata</i> and Highlights the Importance of Chemical and Biological Authentication. <i>Journal of Natural Products</i> , 2018, 81, 966-975.	1.5	20
8	Integrated analytical assets aid botanical authenticity and adulteration management. <i>FA-toterap-Äç</i> , 2018, 129, 401-414.	1.1	49
9	Evidence for Chemopreventive and Resilience Activity of Licorice: <i>Glycyrrhiza Glabra</i> and <i>G. inflata</i> Extracts Modulate Estrogen Metabolism in ACI Rats. <i>Cancer Prevention Research</i> , 2018, 11, 819-830.	0.7	12
10	Evolution of Quantitative Measures in NMR: Quantum Mechanical qHNMR Advances Chemical Standardization of a Red Clover ( <i>Trifolium pratense</i> ) Extract. <i>Journal of Natural Products</i> , 2017, 80, 634-647.	1.5	42
11	Isolation and structural characterization of dihydrobenzofuran congeners of licochalcone A. <i>FA-toterap-Äç</i> , 2017, 121, 6-15.	1.1	14
12	Structural Sequencing of Oligopeptides Aided by $^1H$ Iterative Full-Spin Analysis. <i>Journal of Natural Products</i> , 2017, 80, 2630-2643.	1.5	9
13	Cytochrome P450 inhibition by three licorice species and fourteen licorice constituents. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 182-190.	1.9	53
14	Biochemical characterization and anti-inflammatory properties of an isothiocyanate-enriched moringa ( <i>Moringa oleifera</i> ) seed extract. <i>PLoS ONE</i> , 2017, 12, e0182658.	1.1	102
15	Dissemination of original NMR data enhances reproducibility and integrity in chemical research. <i>Natural Product Reports</i> , 2016, 33, 1028-1033.	5.2	35
16	Holistic Analysis Enhances the Description of Metabolic Complexity in Dietary Natural Products. <i>Advances in Nutrition</i> , 2016, 7, 179-189.	2.9	14
17	Botanical Integrity: Part 2: Traditional and Modern Analytical Approaches. <i>HerbalGram</i> , 2016, 109, 60-64.	0.0	3
18	Induction of NAD(P)H:Quinone Oxidoreductase 1 (NQO1) by Glycyrrhiza Species Used for Women's Health: Differential Effects of the Michael Acceptors Isoliquiritigenin and Licochalcone A. <i>Chemical Research in Toxicology</i> , 2015, 28, 2130-2141.	1.7	30

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19	Digital NMR Profiles as Building Blocks: Assembling <sup>1</sup> H Fingerprints of Steviol Glycosides. <i>Journal of Natural Products</i> , 2015, 78, 658-665.	1.5	18
20	Differential Effects of Glycyrrhiza Species on Genotoxic Estrogen Metabolism: Licochalcone A Downregulates P450 1B1, whereas Isoliquiritigenin Stimulates It. <i>Chemical Research in Toxicology</i> , 2015, 28, 1584-1594.	1.7	25
21	Metabolite Profiling and Classification of DNA-Authenticated Licorice Botanicals. <i>Journal of Natural Products</i> , 2015, 78, 2007-2022.	1.5	43
22	Botanical Integrity: The Importance of the Integration of Chemical, Biological, and Botanical Analyses, and the Role of DNA Barcoding. <i>HerbalGram</i> , 2015, 106, 58-60.	0.0	1
23	<sup>1</sup> H-Targeted Metabolomic Analysis Extends Chemical Subtraction to DESIGNER Extracts: Selective Depletion of Extracts of Hops ( <i>Humulus lupulus</i> ). <i>Journal of Natural Products</i> , 2014, 77, 2595-2604.	1.5	18
24	Species-specific Standardisation of Licorice by Metabolomic Profiling of Flavanones and Chalcones. <i>Phytochemical Analysis</i> , 2014, 25, 378-388.	1.2	21
25	Universal quantitative NMR analysis of complex natural samples. <i>Current Opinion in Biotechnology</i> , 2014, 25, 51-59.	3.3	272
26	Orthogonal Analysis Underscores the Relevance of Primary and Secondary Metabolites in Licorice. <i>Journal of Natural Products</i> , 2014, 77, 1806-1816.	1.5	19
27	Importance of Purity Evaluation and the Potential of Quantitative <sup>1</sup> H NMR as a Purity Assay. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9220-9231.	2.9	289
28	New finding of an anti-TB compound in the genus <i>Marsypopetalum</i> (Annonaceae) from a traditional herbal remedy of Laos. <i>Journal of Ethnopharmacology</i> , 2014, 151, 903-911.	2.0	23
29	Phytochemistry and biological properties of glabridin. <i>Fytoterapia</i> , 2013, 90, 160-184.	1.1	190
30	Dynamic Residual Complexity of the Isoliquiritigenin-Liquiritigenin Interconversion During Bioassay. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2146-2157.	2.4	46
31	Absolute configuration of naturally occurring glabridin. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1212-1216.	0.4	2
32	Evaluation of Estrogenic Activity of Licorice Species in Comparison with Hops Used in Botanicals for Menopausal Symptoms. <i>PLoS ONE</i> , 2013, 8, e67947.	1.1	75
33	Diarylheptanoids from <i>Dioscorea villosa</i> (Wild Yam). <i>Journal of Natural Products</i> , 2012, 75, 2168-2177.	1.5	40
34	Glucosyloxybenzyl Eucomate Derivatives from <i>Vanda teres</i> Stimulate HaCaT Cytochrome <i>c</i> Oxidase. <i>Journal of Natural Products</i> , 2011, 74, 949-955.	1.5	40
35	Antioxidant Biomarkers from <i>Vanda coerulea</i> Stems Reduce Irradiated HaCaT PGE-2 Production as a Result of COX-2 Inhibition. <i>PLoS ONE</i> , 2010, 5, e13713.	1.1	45