Hermann Stuppner

List of Publications by Year in descending order

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201575 4,839 117 27 citations h-index papers

g-index 121 121 121 7999 docs citations times ranked citing authors all docs

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#	Article	IF	CITATIONS
1	Discovery and resupply of pharmacologically active plant-derived natural products: A review. Biotechnology Advances, 2015, 33, 1582-1614.	6.0	1,871
2	Natural product agonists of peroxisome proliferator-activated receptor gamma (PPAR \hat{I}^3): a review. Biochemical Pharmacology, 2014, 92, 73-89.	2.0	492
3	Plant extracts and natural compounds used against UVB-induced photoaging. Biogerontology, 2017, 18, 499-516.	2.0	154
4	<i>In silico</i> Target Fishing for Rationalized Ligand Discovery Exemplified on Constituents of <i>Ruta graveolens</i> Planta Medica, 2009, 75, 195-204.	0.7	131
5	LC-DAD-MS/SPE-NMR Hyphenation. A Tool for the Analysis of Pharmaceutically Used Plant Extracts:Â Identification of Isobaric Iridoid Glycoside Regioisomers fromHarpagophytumprocumbens. Analytical Chemistry, 2005, 77, 878-885.	3.2	113
6	Premature senescence of endothelial cells upon chronic exposure to TNF \hat{l}_{\pm} can be prevented by N-acetyl cysteine and plumericin. Scientific Reports, 2017, 7, 39501.	1.6	104
7	Endogenous metabolites of vitamin E limit inflammation by targeting 5-lipoxygenase. Nature Communications, 2018, 9, 3834.	5.8	101
8	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
9	Mass spectrometry and NMR spectroscopy: modern high-end detectors for high resolution separation techniques – state of the art in natural product HPLC-MS, HPLC-NMR, and CE-MS hyphenations. Natural Product Reports, 2013, 30, 970.	5.2	76
10	The photoactivity of natural products – An overlooked potential of phytomedicines?. Phytomedicine, 2019, 60, 152985.	2.3	57
11	Seasonal variation in the chemical composition of two chemotypes of Lippia alba. Food Chemistry, 2019, 273, 186-193.	4.2	57
12	Screening of Vietnamese medicinal plants for NF- $\hat{\mathbb{P}}$ B signaling inhibitors: Assessing the activity of flavonoids from the stem bark of Oroxylum indicum. Journal of Ethnopharmacology, 2015, 159, 36-42.	2.0	48
13	New Constituents ofLeontopodium alpinumand theirin vitroLeukotriene Biosynthesis Inhibitory Activity. Planta Medica, 2004, 70, 978-985.	0.7	40
14	Leoligin, the major lignan from Edelweiss, inhibits intimal hyperplasia of venous bypass grafts. Cardiovascular Research, 2009, 82, 542-549.	1.8	38
15	Discovery of Potent Soluble Epoxide Hydrolase (sEH) Inhibitors by Pharmacophore-Based Virtual Screening. Journal of Chemical Information and Modeling, 2016, 56, 747-762.	2.5	38
16	Leoligin, the major lignan from Edelweiss, activates cholesteryl ester transfer protein. Atherosclerosis, 2011, 219, 109-115.	0.4	35
17	Prevention of False-Positive Results: Development of an HPTLC Autographic Assay for the Detection of Natural Tyrosinase Inhibitors. Planta Medica, 2015, 81, 1198-1204.	0.7	35
18	Metabolomic analysis—Addressing NMR and LC-MS related problems in human feces sample preparation. Clinica Chimica Acta, 2019, 489, 169-176.	0.5	35

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19	New Lignan, Benzofuran, and Sesquiterpene Derivatives from the Roots of Leontopodium alpinum and L. leontopodioides. Helvetica Chimica Acta, 2003, 86, 733-738.	1.0	33
20	Predicting Cyclooxygenase Inhibition by Threeâ€Dimensional Pharmacophoric Profiling. Part I: Model Generation, Validation and Applicability in Ethnopharmacology. Molecular Informatics, 2010, 29, 75-86.	1.4	33
21	Discovery of the first dual inhibitor of the 5-lipoxygenase-activating protein and soluble epoxide hydrolase using pharmacophore-based virtual screening. Scientific Reports, 2017, 7, 42751.	1.6	33
22	Supercritical Fluid Chromatography in Natural Product Analysis – An Update. Planta Medica, 2018, 84, 361-371.	0.7	33
23	Anti-Inflammatory Activity of Leontopodium alpinumand its Constituents. Planta Medica, 2004, 70, 502-508.	0.7	32
24	Medicinal plants of northern Angola and their anti-inflammatory properties. Journal of Ethnopharmacology, 2018, 216, 26-36.	2.0	31
25	Capillary electrochromatography of boswellic acids inBoswellia serrata Roxb Journal of Separation Science, 2003, 26, 1383-1388.	1.3	28
26	Conventional sample enrichment strategies combined with high-performance liquid chromatography–solid phase extraction–nuclear magnetic resonance analysis allows analyte identification from a single minuscule Corydalis solida plant tuber. Journal of Chromatography A, 2007, 1163, 138-144.	1.8	28
27	Lignan formation in hairy root cultures of Edelweiss (Leontopodium nivale ssp. alpinum (Cass.)) Tj ETQq1 1 0.78	34314 rgB [·]	T /Overlock 10
28	Leoligin, the Major Lignan from Edelweiss (Leontopodium nivale subsp. alpinum), Promotes Cholesterol Efflux from THP-1 Macrophages. Journal of Natural Products, 2016, 79, 1651-1657.	1.5	28
29	Head-to-Head Comparison of Ultra-High-Performance Liquid Chromatography with Diode Array Detection versus Quantitative Nuclear Magnetic Resonance for the Quantitative Analysis of the Silymarin Complex in <i>Silybum marianum</i> Fruit Extracts. Journal of Agricultural and Food Chemistry, 2016, 64, 1618-1626.	2.4	28
30	Semisynthetic and Natural Garcinoic Acid Isoforms as New mPGES-1 Inhibitors. Planta Medica, 2016, 82, 1110-1116.	0.7	27
31	Dereplication of depsides from the lichen Pseudevernia furfuracea by centrifugal partition chromatography combined to 13C nuclear magnetic resonance pattern recognition. Analytica Chimica Acta, 2014, 846, 60-67.	2.6	25
32	The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellulo and blocks bronchoconstriction and inflammation in vivo. Biochemical Pharmacology, 2016, 112, 60-71.	2.0	25
33	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. European Journal of Medicinal Chemistry, 2017, 127, 715-726.	2.6	25
34	Ginkgolic Acid is a Multi-Target Inhibitor of Key Enzymes in Pro-Inflammatory Lipid Mediator Biosynthesis. Frontiers in Pharmacology, 2019, 10, 797.	1.6	25
35	Rapid isolation of acidic cannabinoids from Cannabis sativa L. using pH-zone-refining centrifugal partition chromatography. Journal of Chromatography A, 2019, 1599, 196-202.	1.8	24
36	Plumericin prevents intestinal inflammation and oxidative stress in vitro and in vivo. FASEB Journal, 2020, 34, 1576-1590.	0.2	24

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37	Plumericin inhibits proliferation of vascular smooth muscle cells by blocking STAT3 signaling via S-glutathionylation. Scientific Reports, 2016, 6, 20771.	1.6	23
38	Drugs from nature targeting inflammation (DNTI): a successful Austrian interdisciplinary network project. Monatshefte Fýr Chemie, 2016, 147, 479-491.	0.9	22
39	Anti-Inflammatory and Anti-Oxidant Potential of the Root Extract and Constituents of Doronicum austriacum. Molecules, 2017, 22, 1003.	1.7	22
40	1H NMR-based metabolic profiling and target analysis: a combined approach for the quality control of Thymus vulgaris. Metabolomics, 2012, 8, 335-346.	1.4	20
41	Phytochemical and Analytical Characterization of Novel Sulfated Coumarins in the Marine Green Macroalga Dasycladus vermicularis (Scopoli) Krasser. Molecules, 2018, 23, 2735.	1.7	20
42	Quantitative Assessment of Destruxins from Strawberry and Maize in the Lower Parts per Billion Range: Combination of a QuEChERS-Based Extraction Protocol with a Fast and Selective UHPLC-QTOF-MS Assay. Journal of Agricultural and Food Chemistry, 2015, 63, 5707-5713.	2.4	19
43	Dihydrochalcone Glucosides from the Subaerial Parts of <i>Thonningia sanguinea</i> and Their in Vitro PTP1B Inhibitory Activities. Journal of Natural Products, 2018, 81, 2091-2100.	1.5	19
44	A Comprehensive Review on Chemotaxonomic and Phytochemical Aspects of Homoisoflavonoids, as Rare Flavonoid Derivatives. International Journal of Molecular Sciences, 2021, 22, 2735.	1.8	19
45	A convenient workflow to spot photosensitizers revealed photo-activity in basidiomycetes. RSC Advances, 2019, 9, 4545-4552.	1.7	18
46	Anti-Cancer Activity and Phenolic Content of Extracts Derived from Cypriot Carob (Ceratonia siliqua) Tj ETQq0 0	0 rgBT /O	verlock 10 Tf
47	Constituents of Mediterranean Spices Counteracting Vascular Smooth Muscle Cell Proliferation: Identification and Characterization of Rosmarinic Acid Methyl Ester as a Novel Inhibitor. Molecular Nutrition and Food Research, 2018, 62, e1700860.	1.5	17
48	Leoligin, the major lignan from Edelweiss, inhibits 3-hydroxy-3-methyl-glutaryl-CoA reductase and reduces cholesterol levels in ApoE â^²/â^² mice. Journal of Molecular and Cellular Cardiology, 2016, 99, 35-46.	0.9	16
49	A combinatorial approach for the discovery of cytochrome P450 2D6 inhibitors from nature. Scientific Reports, 2017, 7, 8071.	1.6	16
50	Novel Natural Products for Healthy Ageing from the Mediterranean Diet and Food Plants of Other Global Sourcesâ€"The MediHealth Project. Molecules, 2018, 23, 1097.	1.7	16
51	Terpenoids from the Stems of <i>Fissistigma polyanthoides</i> and Their Anti-Inflammatory Activity. Journal of Natural Products, 2019, 82, 2941-2952.	1.5	16
52	Nonprenylated Xanthones from Gentiana lutea, Frasera caroliniensis, and Centaurium erythraea as Novel Inhibitors of Vascular Smooth Muscle Cell Proliferation. Molecules, 2015, 20, 20381-20390.	1.7	15
53	Immunomodulatory Effects of Diterpene Quinone Derivatives from the Roots of (i>Horminum pyrenaicum (i>in Human PBMC. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-10.	1.9	15
54	Discovery of a benzenesulfonamide-based dual inhibitor of microsomal prostaglandin E2 synthase-1 and 5-lipoxygenase that favorably modulates lipid mediator biosynthesis in inflammation. European Journal of Medicinal Chemistry, 2018, 156, 815-830.	2.6	15

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55	Six new triterpenoids from the root of <i>Potentilla reptans</i> and their cardioprotective effects <i>in silico</i> . Natural Product Research, 2022, 36, 2504-2512.	1.0	15
56	Mushroom Tyrosinase-Based Enzyme Inhibition Assays Are Not Suitable for Bioactivity-Guided Fractionation of Extracts. Journal of Natural Products, 2019, 82, 136-147.	1.5	14
57	Dual Inhibitory Action of a Novel AKR1C3 Inhibitor on Both Full-Length AR and the Variant AR-V7 in Enzalutamide Resistant Metastatic Castration Resistant Prostate Cancer. Cancers, 2020, 12, 2092.	1.7	14
58	Altered membrane rigidity via enhanced endogenous cholesterol synthesis drives cancer cell resistance to destruxins. Oncotarget, 2018, 9, 25661-25680.	0.8	14
59	Linked magnolol dimer as a selective PPARÎ 3 agonist $\hat{a}\in$ Structure-based rational design, synthesis, and bioactivity evaluation. Scientific Reports, 2017, 7, 13002.	1.6	13
60	Towards ecoâ€friendly secondary plant metabolite quantitation: Ultra high performance supercritical fluid chromatography applied to common vervain (<i>Verbena officinalis</i> L.). Journal of Separation Science, 2020, 43, 829-838.	1.3	13
61	Structure-Guided Identification of Black Cohosh (Actaea racemosa) Triterpenoids with In Vitro Activity against Multiple Myeloma. Molecules, 2020, 25, 766.	1.7	13
62	Natural chalcones elicit formation of specialized pro-resolving mediators and related 15-lipoxygenase products in human macrophages. Biochemical Pharmacology, 2022, 195, 114825.	2.0	13
63	HPTLC Autography Based Screening and Isolation of Mushroom Tyrosinase Inhibitors of European Plant Species. Chemistry and Biodiversity, 2019, 16, e1800541.	1.0	12
64	Antiausterity Activity of Secondary Metabolites from the Roots of <i>Ferula hezarlalehzarica</i> against the PANC-1 Human Pancreatic Cancer Cell Line. Journal of Natural Products, 2020, 83, 1099-1106.	1.5	12
65	Ursolic acid from Trailliaedoxa gracilis induces apoptosis in medullary thyroid carcinoma cells. Molecular Medicine Reports, 2015, 12, 5003-5011.	1.1	11
66	Capillary electrophoresis as a fast and efficient alternative for the analysis of Urceola rosea leaf extracts. Fìtoterapìâ, 2018, 125, 1-5.	1.1	11
67	Secondary metabolites from lichen as potent inhibitors of advanced glycation end products and vasodilative agents. Fìtoterapìâ, 2018, 131, 182-188.	1.1	11
68	Identification of the NADPH Oxidase 4 Inhibiting Principle of Lycopus europaeus. Molecules, 2018, 23, 653.	1.7	11
69	Phenolic compounds from the stems of Fissistigma polyanthoides and their anti-oxidant activities. Fìtoterapìâ, 2019, 137, 104252.	1.1	11
70	Leoligin-inspired synthetic lignans with selectivity for cell-type and bioactivity relevant for cardiovascular disease. Chemical Science, 2019, 10, 5815-5820.	3.7	11
71	Labdane-Type Diterpenes from the Aerial Parts of Rydingia persica: Their Absolute Configurations and Protective Effects on LPS-Induced Inflammation in Keratinocytes. Journal of Natural Products, 2020, 83, 2456-2468.	1.5	11
72	Eupatoriopicrin Inhibits Pro-inflammatory Functions of Neutrophils via Suppression of IL-8 and TNF-alpha Production and p38 and ERK 1/2 MAP Kinases. Journal of Natural Products, 2019, 82, 375-385.	1.5	10

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73	Finding New Molecular Targets of Familiar Natural Products Using In Silico Target Prediction. International Journal of Molecular Sciences, 2020, 21, 7102.	1.8	10
74	A combination of trastuzumab and BAC-1 inhibition synergistically targets HER2 positive breast cancer cells. Oncotarget, 2016, 7, 18851-18864.	0.8	10
75	NMR Signal Assignment of 22-Deoxocucurbitacin D and Cucurbitacin D from Ecballium elaterium L. (Cucurbitaceae). Monatshefte Fýr Chemie, 2005, 136, 1645-1649.	0.9	9
76	Tyrosinase Inhibitors from the Aerial Parts of <i>Wulfenia carinthiaca</i> <scp>Jacq.</scp> . Chemistry and Biodiversity, 2018, 15, e1800014.	1.0	9
77	Phytochemical and analytical characterization of constituents in Urceola rosea (Hook. & Eamp; Arn.) D.J. Middleton leaves. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 66-69.	1.4	9
78	Purification of thonningianins A and B and four further derivatives from Thonningia sanguinea by one―and twoâ€dimensional centrifugal partition chromatography. Journal of Separation Science, 2020, 43, 524-530.	1.3	9
79	Structure-based design, semi-synthesis and anti-inflammatory activity of tocotrienolic amides as 5-lipoxygenase inhibitors. European Journal of Medicinal Chemistry, 2020, 202, 112518.	2.6	9
80	Plumericin Protects against Experimental Inflammatory Bowel Disease by Restoring Intestinal Barrier Function and Reducing Apoptosis. Biomedicines, 2021, 9, 67.	1.4	9
81	A Cycloartane Glycoside Derived from Actaea racemosa L. Modulates GABAA Receptors and Induces Pronounced Sedation in Mice. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 234-242.	1.3	8
82	<i>In vitro</i> metabolism of selected bioactive compounds of <i>Eurycoma longifolia</i> root extract to identify suitable markers in doping control. Drug Testing and Analysis, 2019, 11, 86-94.	1.6	8
83	Yuccalechins A–C from the Yucca schidigera Roezl ex Ortgies Bark: Elucidation of the Relative and Absolute Configurations of Three New Spirobiflavonoids and Their Cholinesterase Inhibitory Activities. Molecules, 2019, 24, 4162.	1.7	8
84	Dammarane-type triterpenoid saponins from Salvia russellii Benth Phytochemistry, 2021, 184, 112653.	1.4	8
85	Purification, structural characterization and antioxidant activity of a new arabinogalactan from Dorema ammoniacum gum. International Journal of Biological Macromolecules, 2022, 194, 1019-1028.	3.6	8
86	Phytochemical Profile of the Aerial Parts of Sedum sediforme and Anti-inflammatory Activity of Myricitrin. Natural Product Communications, 2015, 10, 1934578X1501000.	0.2	7
87	Inhibition of Pro-Inflammatory Functions of Human Neutrophils by Constituents of Melodorum fruticosum Leaves. Chemistry and Biodiversity, 2018, 15, e1800269.	1.0	7
88	From bench to counter: Discovery and validation of a peony extract as tyrosinase inhibiting cosmeceutical. European Journal of Medicinal Chemistry, 2019, 184, 111738.	2.6	7
89	Effect of Nonâ€Volatile Constituents of <i>Elsholtzia ciliata</i> (<scp>Thunb</scp> .) <scp>Hyl</scp> . from Southern Vietnam on Reactive Oxygen Species and Nitric Oxide Release in Macrophages. Chemistry and Biodiversity, 2021, 18, e2000577.	1.0	7
90	From Vietnamese plants to a biflavonoid that relieves inflammation by triggering the lipid mediator class switch to resolution. Acta Pharmaceutica Sinica B, 2021, 11, 1629-1647.	5.7	7

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91	Exploration of Long-Chain Vitamin E Metabolites for the Discovery of a Highly Potent, Orally Effective, and Metabolically Stable 5-LOX Inhibitor that Limits Inflammation. Journal of Medicinal Chemistry, 2021, 64, 11496-11526.	2.9	7
92	Chromosome counts and genome size of <i>Leontopodium </i> species (Asteraceae: Gnaphalieae) from south-western China. Botanical Journal of the Linnean Society, 2013, 171, 627-636.	0.8	6
93	Plant extracts in cell-based anti-inflammatory assaysâ€"Pitfalls and considerations related to removal of activity masking bulk components. Phytochemistry Letters, 2014, 10, xli-xlvii.	0.6	6
94	Centaurium erythraea Cultivation Method for Optimal Yield and Product Quality. Journal of Herbs, Spices and Medicinal Plants, 2017, 23, 193-215.	0.5	6
95	Melodamide A fromMelodorum fruticosum— Quantification using HPLC and oneâ€stepâ€isolation by centrifugal partition chromatography. Journal of Separation Science, 2019, 42, 3165-3172.	1.3	6
96	A New Diterpene and Anti-inflammatory Sesquiterpene Lactones from Sigesbeckia orientalis. Planta Medica, 2020, 86, 1108-1117.	0.7	6
97	Comprehensive polyphenolic profiling in promising resistant grapevine hybrids including 17 novel breeds in northern Italy. Journal of the Science of Food and Agriculture, 2021, 101, 2380-2388.	1.7	6
98	Supercritical Fluid Chromatography as an Alternative Tool for the Qualitative and Quantitative Analysis of Metarhizium brunneum Metabolites from Culture Broth. Planta Medica, 2015, 81, 1736-1743.	0.7	5
99	Development of a selective HPLC-DAD/ELSD method for the qualitative and quantitative assessment of commercially available Eurycoma longifolia products and plant extracts. Fìtoterapìâ, 2018, 124, 188-192.	1.1	5
100	Development and validation of a rapid ultra-high performance liquid chromatography diode array detector method for Verbena officinalis L Journal of Pharmaceutical and Biomedical Analysis, 2018, 160, 160-167.	1.4	5
101	Unusual derivatives from Hypericum scabrum. Scientific Reports, 2020, 10, 22181.	1.6	5
102	Potentilla reptans L. postconditioning protects reperfusion injury via the RISK/SAFE pathways in an isolated rat heart. BMC Complementary Medicine and Therapies, 2021, 21, 288.	1.2	5
103	Aristolic Acid Derivatives from the Bark of Antidesma ghaesembilla. Planta Medica, 2017, 83, 1097-1102.	0.7	4
104	Development and Validation of a UHPLC-DAD Method for the Quantitative Analysis of Major Dihydrochalcone Glucosides from Thonningia sanguinea VAHL. Planta Medica, 2019, 85, 911-916.	0.7	4
105	Differentiation between Cistus L. (Sub-) Species (Cistaceae) Using NMR Metabolic Fingerprinting. Planta Medica, 2020, 86, 1148-1155.	0.7	4
106	Design and Synthesis of a Compound Library Exploiting 5-Methoxyleoligin as Potential Cholesterol Efflux Promoter. Molecules, 2020, 25, 662.	1.7	4
107	Combining HPLC-DAD-QTOF-MS and HPLC-SPE-NMR to Monitor In Vitro Vitetrifolin D Phase I and II Metabolism. Metabolites, 2021, 11, 529.	1.3	4
108	Isolation of Three Triterpene Saponins, Including Two New Oleanane Derivatives, from Soldanella alpinaand Hydrophilic Interaction Liquid Chromatography-Evaporative Light Scattering Detection of these Three Saponins in Four Soldenella Species. Phytochemical Analysis, 2017, 28, 567-574.	1.2	3

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109	Perovskanol, a new sesquiterpenoid with an unprecedented skeleton from <i>Perovskia Abrotanoides</i> . Natural Product Research, 2021, 35, 2515-2519.	1.0	3
110	Unusual Secondary Metabolites of the Aerial Parts of Dionysia diapensifolia Bioss. (Primulaceae) and Their Anti-Inflammatory Activity. Biomolecules, 2020, 10, 438.	1.8	3
111	Open-Access Activity Prediction Tools for Natural Products. Case Study: hERG Blockers. Progress in the Chemistry of Organic Natural Products, 2019, 110, 177-238.	0.8	3
112	Simultaneous Quantitative Analysis of the Major Bioactive Compounds in <i>Gentianae Radix</i> and its Beverages by UHPSFC–DAD. Journal of Agricultural and Food Chemistry, 2022, 70, 7586-7593.	2.4	3
113	New Sesterterpenoids from Salvia mirzayanii Rech.f. and Esfand. Stereochemical Characterization by Computational Electronic Circular Dichroism. Frontiers in Chemistry, 2021, 9, 783292.	1.8	2
114	A new Bisabolane Derivative of <i>Leontopodium andersonii</i> . Natural Product Communications, 2010, 5, 1934578X1000500.	0.2	1
115	Structural Features Defining NF-κB Inhibition by Lignan-Inspired Benzofurans and Benzothiophenes. Biomolecules, 2020, 10, 1131.	1.8	1
116	Association of adolescent lipoprotein subclass profile with carotid intima-media thickness and comparison to adults: Prospective population-based cohort studies. Atherosclerosis, 2022, 341, 34-42.	0.4	1
117	Antioxidant Metabolites from the Stems of Bakeridesia gaumeri. Natural Product Communications, 2017, 12, 1934578X1701200.	0.2	0