

# Ludger A Wessjohann

## List of Publications by Year in descending order

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407  
papers

13,818  
citations

30551

56  
h-index

54771

88  
g-index

458  
all docs

458  
docs citations

458  
times ranked

16499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis and Metabolism of Cyclopropane Rings in Natural Compounds. <i>Chemical Reviews</i> , 2003, 103, 1625-1648.	23.0	556
2	Hydrogen peroxide " production, fate and role in redox signaling of tumor cells. <i>Cell Communication and Signaling</i> , 2015, 13, 39.	2.7	390
3	Multiple Multicomponent Macrocyclizations (MiBs): A Strategic Development Toward Macrocyclic Diversity. <i>Chemical Reviews</i> , 2009, 109, 796-814.	23.0	282
4	Comparative metabolite profiling and fingerprinting of medicinal licorice roots using a multiplex approach of GC-MS, LC-MS and 1D NMR techniques. <i>Phytochemistry</i> , 2012, 76, 60-72.	1.4	245
5	Selenium in chemistry and biochemistry in comparison to sulfur. <i>Biological Chemistry</i> , 2007, 388, 997-1006.	1.2	240
6	What can a chemist learn from nature's macrocycles? A brief, conceptual view. <i>Molecular Diversity</i> , 2005, 9, 171-186.	2.1	206
7	Recent Advances in Chromium(II)- and Chromium(III)-Mediated Organic Synthesis. <i>Synthesis</i> , 1999, 1999, 1-36.	1.2	199
8	Profiling of Arabidopsis Secondary Metabolites by Capillary Liquid Chromatography Coupled to Electropray Ionization Quadrupole Time-of-Flight Mass Spectrometry. <i>Plant Physiology</i> , 2004, 134, 548-559.	2.3	192
9	The Pinene Path to Taxanes. 5. Stereocontrolled Synthesis of a Versatile Taxane Precursor. <i>Journal of the American Chemical Society</i> , 1997, 119, 2755-2756.	6.6	167
10	Differential distribution of tocopherols and tocotrienols in photosynthetic and non-photosynthetic tissues. <i>Phytochemistry</i> , 2006, 67, 1185-1195.	1.4	131
11	Methodology of Drought Stress Research: Experimental Setup and Physiological Characterization. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4089.	1.8	131
12	The Multiple Multicomponent Approach to Natural Product Mimics: Tubugis, N-Substituted Anticancer Peptides with Picomolar Activity. <i>Journal of the American Chemical Society</i> , 2011, 133, 7692-7695.	6.6	126
13	Metabolomics driven analysis of six <i>Nigella</i> species seeds via UPLC-qTOF-MS and GC-MS coupled to chemometrics. <i>Food Chemistry</i> , 2014, 151, 333-342.	4.2	121
14	Synthesis and Selective Anticancer Activity of Organochalcogen Based Redox Catalysts. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6954-6963.	2.9	119
15	Synthesis of natural-product-based compound libraries. <i>Current Opinion in Chemical Biology</i> , 2000, 4, 303-309.	2.8	118
16	Design and Synthesis of Cyclic RGD Pentapeptoids by Consecutive Ugi Reactions. <i>Organic Letters</i> , 2008, 10, 205-208.	2.4	115
17	Glutathione peroxidase-2 and selenium decreased inflammation and tumors in a mouse model of inflammation-associated carcinogenesis whereas sulforaphane effects differed with selenium supply. <i>Carcinogenesis</i> , 2012, 33, 620-628.	1.3	115
18	Traceless Tosylhydrazone-Based Triazole Formation: A Metal-Free Alternative to Strain-Promoted Azide-Alkyne Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5343-5346.	7.2	104

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19	Tailoring the Reactivity of Small Ring Building Blocks for Organic Synthesis. <i>Synlett</i> , 1990, 1990, 20-32.	1.0	102
20	Total Synthesis of Tubulysin U and V. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7235-7239.	7.2	99
21	Supramolecular Compounds from Multiple Ugi Multicomponent Macrocyclizations: Peptoid-based Cryptands, Cages, and Cryptophanes. <i>Journal of the American Chemical Society</i> , 2006, 128, 7122-7123.	6.6	95
22	Phytochemical, phylogenetic, and anti-inflammatory evaluation of 43 <i>Urtica</i> accessions (stinging). <i>Journal of Ethnopharmacology</i> , 2014, 150, 10-19.	1.4	95
23	Metabolomics driven analysis of artichoke leaf and its commercial products via UHPLC-qTOF-MS and chemometrics. <i>Phytochemistry</i> , 2013, 95, 177-187.	1.4	93
24	Metabolite profiling and fingerprinting of commercial cultivars of <i>Humulus lupulus</i> L. (hop): a comparison of MS and NMR methods in metabolomics. <i>Metabolomics</i> , 2012, 8, 492-507.	1.4	91
25	Metabolomic fingerprints of 21 date palm fruit varieties from Egypt using UPLC/PDA/ESI-qTOF-MS and GC-MS analyzed by chemometrics. <i>Food Research International</i> , 2014, 64, 218-226.	2.9	89
26	Diversity Oriented One-Pot Synthesis of Complex Macrocycles: Very Large Steroid-Peptoid Hybrids from Multiple Multicomponent Reactions Including Bifunctional Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4785-4790.	7.2	88
27	Metabolite profiling and fingerprinting of <i>Hypericum</i> species: a comparison of MS and NMR metabolomics. <i>Metabolomics</i> , 2014, 10, 574-588.	1.4	88
28	Strategies for Total and Diversity-Oriented Synthesis of Natural Product(-Like) Macrocycles. <i>Topics in Current Chemistry</i> , 2014, 53, 137-184.	4.0	87
29	Diacetin, a reliable cue and private communication channel in a specialized pollination system. <i>Scientific Reports</i> , 2015, 5, 12779.	1.6	85
30	Phytochemical Profiles and Antimicrobial Activities of <i>Allium cepa</i> Red cv. and <i>A. sativum</i> Subjected to Different Drying Methods: A Comparative MS-Based Metabolomics. <i>Molecules</i> , 2017, 22, 761.	1.7	84
31	Multiple Multicomponent Macrocyclizations Including Bifunctional Building Blocks (MiBs) Based on Staudinger and Passerini Three-Component Reactions. <i>Journal of Organic Chemistry</i> , 2008, 73, 1762-1767.	1.7	76
32	Architectural Chemistry: Synthesis of Topologically Diverse Macromulticycles by Sequential Multiple Multicomponent Macrocyclizations. <i>Journal of the American Chemical Society</i> , 2009, 131, 3721-3732.	6.6	75
33	Organoselenocyanates and symmetrical diselenides redox modulators: Design, synthesis and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 190-201.	2.6	75
34	Chiral diselenide ligands for the asymmetric copper-catalyzed conjugate addition of Grignard reagents to enones. <i>Tetrahedron Letters</i> , 2002, 43, 7329-7331.	0.7	74
35	Macrocycles rapidly produced by multiple multicomponent reactions including bifunctional building blocks (MiBs). <i>Molecular Diversity</i> , 2005, 9, 159-169.	2.1	72
36	Phytochemical, antioxidant and antidiabetic evaluation of eight <i>Bauhinia</i> L. species from Egypt using UHPLC-PDA-qTOF-MS and chemometrics. <i>Phytochemistry</i> , 2015, 119, 41-50.	1.4	72

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37	Combinatorial synthesis, in silico , molecular and biochemical studies of tetrazole-derived organic selenides with increased selectivity against hepatocellular carcinoma. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 55-71.	2.6	72
38	Chemoenzymatic Dynamic Kinetic Resolution of Acyloins. <i>Journal of Organic Chemistry</i> , 2005, 70, 9551-9555.	1.7	71
39	Regiospecific Synthesis of 4-Alkoxy and 4-Amino Substituted 2-Trifluoromethyl Pyrroles. <i>Journal of Organic Chemistry</i> , 2006, 71, 6996-6998.	1.7	71
40	Exploring synthetic avenues for the effective synthesis of selenium- and tellurium-containing multifunctional redox agents. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4753.	1.5	71
41	Acceleration of Arylzinc Formation and Its Enantioselective Addition to Aldehydes by Microwave Irradiation and Aziridine-2-methanol Catalysts. <i>Journal of Organic Chemistry</i> , 2008, 73, 2879-2882.	1.7	70
42	Natural products " modifying metabolite pathways in plants. <i>Biotechnology Journal</i> , 2013, 8, 1159-1171.	1.8	70
43	Metabolomics reveals impact of seven functional foods on metabolic pathways in a gut microbiota model. <i>Journal of Advanced Research</i> , 2020, 23, 47-59.	4.4	70
44	The chromium" Reformatsky reaction: Asymmetric synthesis of the aldol fragment of the cytotoxic epothilons from 3-(2-bromoacyl)-2-oxazolidinones. <i>Tetrahedron Letters</i> , 1997, 38, 1363-1366.	0.7	68
45	First Total Synthesis of Tubulysin B. <i>Organic Letters</i> , 2009, 11, 5567-5569.	2.4	68
46	Redox proteomics: Methods for the identification and enrichment of redox-modified proteins and their applications. <i>Proteomics</i> , 2016, 16, 197-213.	1.3	67
47	Facile and practical enantioselective synthesis of propargylic alcohols by direct addition of alkynes to aldehydes catalyzed by chiral disulfide"oxazolidine ligands. <i>Tetrahedron</i> , 2002, 58, 10413-10416.	1.0	64
48	In Vitro and In Vivo Production of New Aminocoumarins by a Combined Biochemical, Genetic, and Synthetic Approach. <i>Chemistry and Biology</i> , 2004, 11, 173-183.	6.2	64
49	Metabolome Classification of Commercial <i>Hypericum perforatum</i> (St. John's Wort) Preparations via UPLC-qTOF-MS and Chemometrics. <i>Planta Medica</i> , 2012, 78, 488-496.	0.7	64
50	Multicomponent reactions for the synthesis of multifunctional agents with activity against cancer cells. <i>Chemical Communications</i> , 2009, , 4702.	2.2	63
51	Tradeoffs between physical and chemical carbon-based leaf defence: of intraspecific variation and trait evolution. <i>Journal of Ecology</i> , 2015, 103, 1667-1679.	1.9	62
52	Volatiles Profiling in Medicinal Licorice Roots Using Steam Distillation and SolidPhase Microextraction (SPME) Coupled to Chemometrics. <i>Journal of Food Science</i> , 2012, 77, C1179-84.	1.5	61
53	The Functional Role of Selenocysteine (Sec) in the Catalysis Mechanism of Large Thioredoxin Reductases: Proposition of a Swapping Catalytic Triad Including a Sec-His-Glu State. <i>ChemBioChem</i> , 2005, 6, 386-394.	1.3	60
54	The UBIAD1 Prenyltransferase Links Menaquinone-4 Synthesis to Cholesterol Metabolic Enzymes. <i>Human Mutation</i> , 2013, 34, 317-329.	1.1	60

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55	Accumulation of Tocopherols and Tocotrienols during seed development of Grape ( <i>Vitis vinifera</i> L. cv.) Tj ETQq1 1.0.784314.rgBT /Ov	2.8	59
56	Rapid generation of macrocycles with natural-product-like side chains by multiple multicomponent macrocyclizations (MiBs). <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1787.	1.5	58
57	UBIAD1 Mutation Alters a Mitochondrial Prenyltransferase to Cause Schnyder Corneal Dystrophy. <i>PLoS ONE</i> , 2010, 5, e10760.	1.1	58
58	Compositional and structural studies of the oils from two edible seeds: Tiger nut, <i>Cyperus esculentum</i> , and asiato, <i>Pachira insignis</i> , from Ghana. <i>Food Research International</i> , 2012, 47, 259-266.	2.9	58
59	Versatile antitumor potential of isoxanthohumol: Enhancement of paclitaxel activity in vivo. <i>Pharmacological Research</i> , 2016, 105, 62-73.	3.1	58
60	Comparative metabolite profiling and fingerprinting of genus <i>Passiflora</i> leaves using a multiplex approach of UPLC-MS and NMR analyzed by chemometric tools. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3125-3143.	1.9	58
61	Homoisoflavonoids from <i>Ophiopogon japonicus</i> Ker-Gawler. <i>Phytochemistry</i> , 2003, 62, 1153-1158.	1.4	57
62	Freezing Imine Exchange in Dynamic Combinatorial Libraries with Ugi Reactions: Versatile Access to Templated Macrocycles. <i>Organic Letters</i> , 2007, 9, 4733-4736.	2.4	57
63	Synthesis and biochemical studies of novel organic selenides with increased selectivity for hepatocellular carcinoma and breast adenocarcinoma. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 515-526.	2.6	55
64	Expression, regulation and function of the ISGylation system in prostate cancer. <i>Oncogene</i> , 2009, 28, 2606-2620.	2.6	53
65	Characterization of the anticancer properties of monoglycosidic cardenolides isolated from <i>Nerium oleander</i> and <i>Streptocaulon tomentosum</i> . <i>Journal of Ethnopharmacology</i> , 2011, 134, 781-788.	2.0	53
66	Alkylating enzymes. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 229-235.	2.8	53
67	Synthesis of N,N-disubstituted selenoamides by O/Se-exchange with selenium Lawesson's reagent. <i>Tetrahedron Letters</i> , 2003, 44, 6911-6913.	0.7	52
68	A Structural Model of the Membrane-Bound Aromatic Prenyltransferase UbiA from <i>E. coli</i> . <i>ChemBioChem</i> , 2008, 9, 982-992.	1.3	52
69	Helicascolide C, a new lactone from an Indonesian marine algicolous strain of <i>Daldinia eschscholzii</i> (Xylariaceae, Ascomycota). <i>Phytochemistry Letters</i> , 2012, 5, 83-86.	0.6	52
70	NMR approach for the authentication of 10 cinnamon spice accessions analyzed via chemometric tools. <i>LWT - Food Science and Technology</i> , 2018, 90, 491-498.	2.5	52
71	Introducing the Petasis Reaction for Late-Stage Multicomponent Diversification, Labeling, and Stapling of Peptides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2700-2704.	7.2	52
72	Synthesis of Steroid-Biaryl Ether Hybrid Macrocycles with High Skeletal and Side Chain Variability by Multiple Multicomponent Macrocyclization Including Bifunctional Building Blocks. <i>Journal of Organic Chemistry</i> , 2006, 71, 7521-7526.	1.7	51

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73	Rapid Access to N-Substituted Diketopiperazines by One-Pot Ugi-4CR/Deprotection+Activation/Cyclization (UDAC). <i>ACS Combinatorial Science</i> , 2009, 11, 1078-1082.	3.3	51
74	Comparative analysis of <i>Hibiscus sabdariffa</i> (roselle) hot and cold extracts in respect to their potential for Î±-glucosidase inhibition. <i>Food Chemistry</i> , 2018, 250, 236-244.	4.2	51
75	Molecular and structural basis of metabolic diversity mediated by prenyldiphosphate converting enzymes. <i>Phytochemistry</i> , 2009, 70, 1758-1775.	1.4	50
76	Macrocyclization of Peptide Side Chains by the Ugi Reaction: Achieving Peptide Folding and Exocyclic <i>N</i>-Functionalization in One Shot. <i>Journal of Organic Chemistry</i> , 2015, 80, 6697-6707.	1.7	50
77	Natural Products from Microalgae with Potential against Alzheimerâ€™s Disease: Sulfolipids Are Potent Glutamyl Cyclase Inhibitors. <i>Marine Drugs</i> , 2016, 14, 203.	2.2	50
78	A new functionalized, chiral disulfide derived from L-cysteine: (R,R)-bis[(3-benzyloxolan-4-yl)-methane] disulfide as a catalyst in the diethylzinc addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 1733-1738.	1.8	48
79	Flavonoid production in transgenic hop ( <i>Humulus lupulus</i> L.) altered by PAP1/MYB75 from <i>Arabidopsis thaliana</i> L.. <i>Plant Cell Reports</i> , 2012, 31, 111-119.	2.8	48
80	Palladium-Catalyzed Direct Arylation of Selenophene. <i>Journal of Organic Chemistry</i> , 2014, 79, 5987-5992.	1.7	48
81	Soft Corals Biodiversity in the Egyptian Red Sea: A Comparative MS and NMR Metabolomics Approach of Wild and Aquarium Grown Species. <i>Journal of Proteome Research</i> , 2016, 15, 1274-1287.	1.8	48
82	Chromium(II)-Mediated Reformatsky Reactions of Carboxylic Esters with Aldehydes. <i>Journal of Organic Chemistry</i> , 1997, 62, 3772-3774.	1.7	47
83	One pot synthesis of selenocysteine containing peptoid libraries by Ugi multicomponent reactions in water. <i>Chemical Communications</i> , 2006, , 541-543.	2.2	47
84	Osmotic stress is accompanied by protein glycation in <i>Arabidopsis thaliana</i>. <i>Journal of Experimental Botany</i> , 2016, 67, 6283-6295.	2.4	47
85	A New Route to Protected Acyloins and Their Enzymatic Resolution with Lipases. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 1063-1074.	1.2	46
86	<i>Arabidopsis thaliana</i> isoprenyl diphosphate synthases produce the C<sub>25</sub> intermediate geranylarnesyl diphosphate. <i>Plant Journal</i> , 2015, 84, 847-859.	2.8	46
87	Integrated comparative metabolite profiling via MS and NMR techniques for Senna drug quality control analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1937-1949.	1.9	46
88	Variation in <i>Ceratonia siliqua</i> pod metabolome in context of its different geographical origin, ripening stage and roasting process. <i>Food Chemistry</i> , 2019, 283, 675-687.	4.2	46
89	Stereoselective synthesis of Boc-protected L-seleno- and tellurolanthionine, L-seleno- and tellurocystine and derivatives. <i>Tetrahedron Letters</i> , 2006, 47, 1019-1021.	0.7	45
90	NMR, GCâ€“MS and ESIâ€“FTICRâ€“MS Profiling of Fatty Acids and Triacylglycerols in Some Botswana Seed Oils. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2008, 85, 1021-1032.	0.8	45

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91	Acetylcholinesterase inhibitors from the toadstool <i>Cortinarius infractus</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2173-2177.	1.4	45
92	The Bladder Tumor Suppressor Protein TERE1 (UBIAD1) Modulates Cell Cholesterol: Implications for Tumor Progression. <i>DNA and Cell Biology</i> , 2011, 30, 851-864.	0.9	44
93	Global proteomic analysis of advanced glycation end products in the <i>Arabidopsis</i> proteome provides evidence for age-related glycation hot spots. <i>Journal of Biological Chemistry</i> , 2017, 292, 15758-15776.	1.6	44
94	A Multicomponent Stapling Approach to Exocyclic Functionalized Helical Peptides: Adding Lipids, Sugars, PEGs, Labels, and Handles to the Lactam Bridge. <i>Bioconjugate Chemistry</i> , 2019, 30, 253-259.	1.8	44
95	Fast and efficient microwave-assisted synthesis of functionalized peptoids via Ugi reactions. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5024.	1.5	43
96	A Multiple Multicomponent Approach to Chimeric Peptide-Peptoid Podands. <i>Chemistry - A European Journal</i> , 2013, 19, 6417-6428.	1.7	43
97	Natural products – learning chemistry from plants. <i>Biotechnology Journal</i> , 2014, 9, 326-336.	1.8	43
98	Isolation and anticancer, anthelmintic, and antiviral (HIV) activity of acylphloroglucinols, and regioselective synthesis of empetrifranzins from <i>Hypericum roeperianum</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6327-6334.	1.4	43
99	Solution- and Solid-Phase Macrocyclization of Peptides by the Ugi-Smiles Multicomponent Reaction: Synthesis of <i>N</i> -Aryl-Bridged Cyclic Lipopeptides. <i>Organic Letters</i> , 2016, 18, 4096-4099.	2.4	43
100	A Snapshot of the Plant Glycated Proteome. <i>Journal of Biological Chemistry</i> , 2016, 291, 7621-7636.	1.6	43
101	Antimicrobial, Antioxidant, and Cytotoxic Activities of <i>Ocimum forskolei</i> and <i>Teucrium yemense</i> (Lamiaceae) Essential Oils. <i>Medicines (Basel, Switzerland)</i> , 2017, 4, 17.	0.7	43
102	Interactions between dietary flavonoids and the gut microbiome: a comprehensive review. <i>British Journal of Nutrition</i> , 2022, 128, 577-591.	1.2	43
103	Benzeneselenenyl Reagents in Organic Synthesis. <i>Journal für Praktische Chemie, Chemiker-Zeitung</i> , 1998, 340, 189-203.	0.5	42
104	Hydrophorones A-G: fungicidal cyclopentenones from <i>Hygrophorus</i> species (Basidiomycetes). <i>Phytochemistry</i> , 2004, 65, 1061-1071.	1.4	42
105	Profiling of Phytosterols, Tocopherols and Tocotrienols in Selected Seed Oils from Botswana by GC-MS and HPLC. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2009, 86, 617-625.	0.8	42
106	Cyclic Peptidomimetics and Pseudopeptides from Multicomponent Reactions. <i>Topics in Heterocyclic Chemistry</i> , 2010, , 199-226.	0.2	42
107	Acetylenic 2-phenylethylamides and new isobutylamides from <i>Acmella oleracea</i> (L.) R. K. Jansen, a Brazilian spice with larvicidal activity on <i>Aedes aegypti</i> . <i>Phytochemistry Letters</i> , 2013, 6, 67-72.	0.6	42
108	Early responses of mature <i>Arabidopsis thaliana</i> plants to reduced water potential in the agar-based polyethylene glycol infusion drought model. <i>Journal of Plant Physiology</i> , 2017, 208, 70-83.	1.6	42

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109	Isolation of a New Natural Product and Cytotoxic and Antimicrobial Activities of Extracts from Fungi of Indonesian Marine Habitats. <i>Marine Drugs</i> , 2011, 9, 294-306.	2.2	41
110	Epothilones: Promising Natural Products with Taxol-Like Activity. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 715-718.	4.4	40
111	Identification of Enterodiol as a Masker for Caffeine Bitterness by Using a Pharmacophore Model Based on Structural Analogues of Homoeriodictyol. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6303-6311.	2.4	40
112	One-pot Assembly of Amino Acid Bridged Hybrid Macromulticyclic Cages through Multiple Multicomponent Macrocyclizations. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3501-3505.	7.2	40
113	Furoquinolines and dihydrooxazole alkaloids with cytotoxic activity from the stem bark of <i>Araliopsis soyauxii</i> . <i>FÄ-toterapÄ-Äç</i> , 2019, 133, 193-199.	1.1	40
114	A New Versatile Synthesis of Ring-Substituted 2-Cyclopropylglycines and Related Amino Acids. <i>Chemische Berichte</i> , 1992, 125, 867-882.	0.2	39
115	Breakdown products of neoglucobrassicin inhibit activation of Nrf2 target genes mediated by myrosinase-derived glucoraphanin hydrolysis products. <i>Biological Chemistry</i> , 2010, 391, 1281-93.	1.2	39
116	One-pot synthesis of organophosphate monoesters from alcohols. <i>Tetrahedron Letters</i> , 2013, 54, 1690-1692.	0.7	39
117	Assessment of sensory metabolites distribution in 3 cactus <i>Opuntia ficus-indica</i> fruit cultivars using UV fingerprinting and GC/MS profiling techniques. <i>LWT - Food Science and Technology</i> , 2017, 80, 145-154.	2.5	39
118	Catalytic enantioselective aryl transfer: asymmetric addition of boronic acids to aldehydes using pyrrolidinylmethanols as ligands. <i>Tetrahedron Letters</i> , 2005, 46, 7827-7830.	0.7	38
119	Brunneins A <sup>13</sup> C, <sup>12</sup> C- <sup>13</sup> C- <sup>15</sup> N-Carboline Alkaloids from <i>Cortinarius brunneus</i> . <i>Journal of Natural Products</i> , 2007, 70, 1529-1531.	1.5	38
120	Cm-p5: an antifungal hydrophilic peptide derived from the coastal mollusk <i>Cenchritis muricatus</i> (Gastropoda: Littorinidae). <i>FASEB Journal</i> , 2015, 29, 3315-3325.	0.2	38
121	Unraveling the active hypoglycemic agent trigonelline in <i>Balanites aegyptiaca</i> date fruit using metabolite fingerprinting by NMR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 383-387.	1.4	38
122	The chromium-Reformatsky reaction: anti-selective Evans-type aldol reactions with excellent inverse induction at ambient temperature. <i>Tetrahedron Letters</i> , 1997, 38, 4387-4388.	0.7	37
123	Mutational Studies Confirm the Catalytic Triad in the Human Selenoenzyme Thioredoxin Reductase Predicted by Molecular Modeling. <i>ChemBioChem</i> , 2006, 7, 1649-1652.	1.3	37
124	Metabolite profiling in 18 Saudi date palm fruit cultivars and their antioxidant potential via UPLC-qTOF-MS and multivariate data analyses. <i>Food and Function</i> , 2016, 7, 1077-1086.	2.1	37
125	No Silver Bullet – Canonical Poly(ADP-Ribose) Polymerases (PARPs) Are No Universal Factors of Abiotic and Biotic Stress Resistance of <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 08, 59.	1.7	37
126	Introducing the Petasis Reaction for Late-Stage Multicomponent Diversification, Labeling, and Stapling of Peptides. <i>Angewandte Chemie</i> , 2019, 131, 2726-2730.	1.6	37



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127	Prenylation of Benzoic Acid Derivatives Catalyzed by a Transferase from <i>Escherichia coli</i> Overproduction: Method Development and Substrate Specificity. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1697-1699.	4.4	36
128	A Proposed Mechanism for the Reductive Ring Opening of the Cyclodiphosphate MEcPP, a Crucial Transformation in the New DXP/MEP Pathway to Isoprenoids Based on Modeling Studies and Feeding Experiments. <i>ChemBioChem</i> , 2004, 5, 311-323.	1.3	36
129	An efficient synthesis of the phytoestrogen 8-prenylnaringenin from xanthohumol by a novel demethylation process. <i>Tetrahedron</i> , 2006, 62, 6961-6966.	1.0	36
130	RDC-Based Determination of the Relative Configuration of the Fungicidal Cyclopentenone 4,6-Diacetylhydroporphone. <i>Journal of Natural Products</i> , 2013, 76, 839-844.	1.5	36
131	Developmental changes in leaf phenolics composition from three artichoke cvs. ( <i>Cynara scolymus</i> ) as determined via UHPLC-MS and chemometrics. <i>Phytochemistry</i> , 2014, 108, 67-76.	1.4	36
132	Bidirectional macrocyclization of peptides by double multicomponent reactions. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 438-446.	1.5	36
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