Ludger A Wessjohann

List of Publications by Year
in descending order

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407 papers	13,818 citations	26630 56 h-index	48315 88 g-index
458 all docs	458 docs citations	458 times ranked	15203 citing authors

#	Article	IF	Citations
1	Biosynthesis and Metabolism of Cyclopropane Rings in Natural Compounds. Chemical Reviews, 2003, 103, 1625-1648.	47.7	556
2	Hydrogen peroxide â€“ production, fate and role in redox signaling of tumor cells. Cell Communication and Signaling, 2015, 13, 39.	6.5	390
3	Multiple Multicomponent Macrocyclizations (MiBs): A Strategic Development Toward Macrocycle Diversity. Chemical Reviews, 2009, 109, 796-814.	47.7	282
4	Comparative metabolite profiling and fingerprinting of medicinal licorice roots using a multiplex approach of GCâ€“MS, LCâ€“MS and 1D NMR techniques. Phytochemistry, 2012, 76, 60-72.	2.9	245
5	Selenium in chemistry and biochemistry in comparison to sulfur. Biological Chemistry, 2007, 388, 997-1006.	2.5	240
6	What can a chemist learn from nature?s macrocycles? ? A brief, conceptual view. Molecular Diversity, 2005, 9, 171-186.	3.9	206
7	Recent Advances in Chromium(II)- and Chromium(III)-Mediated Organic Synthesis. Synthesis, 1999, 1999, 1-36.	2.3	199
8	Profiling of Arabidopsis Secondary Metabolites by Capillary Liquid Chromatography Coupled to Electrospray Ionization Quadrupole Time-of-Flight Mass Spectrometry. Plant Physiology, 2004, 134, 548-559.	4.8	192
9	The Pinene Path to Taxanes. 5. Stereocontrolled Synthesis of a Versatile Taxane Precursor. Journal of the American Chemical Society, 1997, 119, 2755-2756.	13.7	167
10	Differential distribution of tocopherols and tocotrienols in photosynthetic and non-photosynthetic tissues. Phytochemistry, 2006, 67, 1185-1195.	2.9	131
11	Methodology of Drought Stress Research: Experimental Setup and Physiological Characterization. International Journal of Molecular Sciences, 2018, 19, 4089.	4.1	131
12	The Multiple Multicomponent Approach to Natural Product Mimics: Tubugis, N-Substituted Anticancer Peptides with Picomolar Activity. Journal of the American Chemical Society, 2011, 133, 7692-7695.	13.7	126
13	Metabolomics driven analysis of six Nigella species seeds via UPLC-qTOF-MS and GCâ€“MS coupled to chemometrics. Food Chemistry, 2014, 151, 333-342.	8.2	121
14	Synthesis and Selective Anticancer Activity of Organochalcogen Based Redox Catalysts. Journal of Medicinal Chemistry, 2010, 53, 6954-6963.	6.4	119
15	Synthesis of natural-product-based compound libraries. Current Opinion in Chemical Biology, 2000, 4, 303-309.	6.1	118
16	Design and Synthesis of Cyclic RGD Pentapeptoids by Consecutive Ugi Reactions. Organic Letters, 2008, 10, 205-208.	4.6	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. Carcinogenesis, 2012, 33, 620-628.	2.8	115
18	Traceless Tosylhydrazoneâ€Based Triazole Formation: A Metalâ€Free Alternative to Strainâ€Promoted Azideâ€“Alkyne Cycloaddition. Angewandte Chemie - International Edition, 2012, 51, 5343-5346.	13.8	104

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19	Tailoring the Reactivity of Small Ring Building Blocks for Organic Synthesis. Synlett, 1990, 1990, 20-32.	1.8	102
20	Total Synthesis of Tubulysin U and V. Angewandte Chemie - International Edition, 2006, 45, 7235-7239.	13.8	99
21	Supramolecular Compounds from Multiple Ugi Multicomponent Macrocyclizations:Â Peptoid-based Cryptands, Cages, and Cryptophanes. Journal of the American Chemical Society, 2006, 128, 7122-7123.	13.7	95
22	Phytochemical, phylogenetic, and anti-inflammatory evaluation of 43 Urtica accessions (stinging) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.9	95
23	Metabolomics driven analysis of artichoke leaf and its commercial products via UHPLCâ€“q-TOF-MS and chemometrics. Phytochemistry, 2013, 95, 177-187.	2.9	93
24	Metabolite profiling and fingerprinting of commercial cultivars of Humulus lupulus L. (hop): a comparison of MS and NMR methods in metabolomics. Metabolomics, 2012, 8, 492-507.	3.0	91
25	Metabolomic fingerprints of 21 date palm fruit varieties from Egypt using UPLC/PDA/ESIâ€“qTOF-MS and GCâ€“MS analyzed by chemometrics. Food Research International, 2014, 64, 218-226.	6.2	89
26	Diversity Oriented One-Pot Synthesis of Complex Macrocycles: Very Large Steroid-Peptoid Hybrids from Multiple Multicomponent Reactions Including Bifunctional Building Blocks. Angewandte Chemie - International Edition, 2005, 44, 4785-4790.	13.8	88
27	Metabolite profiling and fingerprinting of Hypericum species: a comparison of MS and NMR metabolomics. Metabolomics, 2014, 10, 574-588.	3.0	88
28	Strategies for Total and Diversity-Oriented Synthesis of Natural Product(-Like) Macrocycles. Topics in Current Chemistry, 0, , 137-184.	4.0	87
29	Diacetin, a reliable cue and private communication channel in a specialized pollination system. Scientific Reports, 2015, 5, 12779.	3.3	85
30	Phytochemical Profiles and Antimicrobial Activities of Allium cepa Red cv. and A. sativum Subjected to Different Drying Methods: A Comparative MS-Based Metabolomics. Molecules, 2017, 22, 761.	3.8	84
31	Multiple Multicomponent Macrocyclizations Including Bifunctional Building Blocks (MiBs) Based on Staudinger and Passerini Three-Component Reactions. Journal of Organic Chemistry, 2008, 73, 1762-1767.	3.2	76
32	Architectural Chemistry: Synthesis of Topologically Diverse Macromulticycles by Sequential Multiple Multicomponent Macrocyclizations. Journal of the American Chemical Society, 2009, 131, 3721-3732.	13.7	75
33	Organoselenocyanates and symmetrical diselenides redox modulators: Design, synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2015, 97, 190-201.	5.5	75
34	Chiral diselenide ligands for the asymmetric copper-catalyzed conjugate addition of Grignard reagents to enones. Tetrahedron Letters, 2002, 43, 7329-7331.	1.4	74
35	Macrocycles rapidly produced by multiple multicomponent reactions including bifunctional building blocks (MiBs). Molecular Diversity, 2005, 9, 159-169.	3.9	72
36	Phytochemical, antioxidant and antidiabetic evaluation of eight Bauhinia L. species from Egypt using UHPLCâ€“PDAâ€“qTOF-MS and chemometrics. Phytochemistry, 2015, 119, 41-50.	2.9	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. European Journal of Medicinal Chemistry, 2016, 122, 55-71.	5.5	72
38	Chemoenzymatic Dynamic Kinetic Resolution of Acyloins. Journal of Organic Chemistry, 2005, 70, 9551-9555.	3.2	71
39	Regiospecific Synthesis of 4-Alkoxy and 4-Amino Substituted 2-Trifluoromethyl Pyrroles. Journal of Organic Chemistry, 2006, 71, 6996-6998.	3.2	71
40	Exploring synthetic avenues for the effective synthesis of selenium- and tellurium-containing multifunctional redox agents. Organic and Biomolecular Chemistry, 2009, 7, 4753.	2.8	71
41	Acceleration of Arylzinc Formation and Its Enantioselective Addition to Aldehydes by Microwave Irradiation and Aziridine-2-methanol Catalysts. Journal of Organic Chemistry, 2008, 73, 2879-2882.	3.2	70
42	Natural products â€“ modifying metabolite pathways in plants. Biotechnology Journal, 2013, 8, 1159-1171.	3.5	70
43	Metabolomics reveals impact of seven functional foods on metabolic pathways in a gut microbiota model. Journal of Advanced Research, 2020, 23, 47-59.	9.5	70
44	The chromiumâ€”Reformatsky reaction: Asymmetric synthesis of the aldol fragment of the cytotoxic epothilons from 3-(2-bromoacyl)-2-oxazolidinones. Tetrahedron Letters, 1997, 38, 1363-1366.	1.4	68
45	First Total Synthesis of Tubulysin B. Organic Letters, 2009, 11, 5567-5569.	4.6	68
46	Redox proteomics: Methods for the identification and enrichment of redoxâ€modified proteins and their applications. Proteomics, 2016, 16, 197-213.	2.2	67
47	Facile and practical enantioselective synthesis of propargylic alcohols by direct addition of alkynes to aldehydes catalyzed by chiral disulfideâ€“oxazolidine ligands. Tetrahedron, 2002, 58, 10413-10416.	1.9	64
48	In Vitro and In Vivo Production of New Aminocoumarins by a Combined Biochemical, Genetic, and Synthetic Approach. Chemistry and Biology, 2004, 11, 173-183.	6.0	64
49	Metabolome Classification of CommercialHypericum perforatum(St.ÂJohn's Wort) Preparations via UPLC-qTOF-MS and Chemometrics. Planta Medica, 2012, 78, 488-496.	1.3	64
50	Multicomponent reactions for the synthesis of multifunctional agents with activity against cancer cells. Chemical Communications, 2009, , 4702.	4.1	63
51	Tradeâ€offs between physical and chemical carbonâ€based leaf defence: of intraspecific variation and trait evolution. Journal of Ecology, 2015, 103, 1667-1679.	4.0	62
52	Volatiles Profiling in Medicinal Licorice Roots Using Steam Distillation and Solidâ€Phase Microextraction (SPME) Coupled to Chemometrics. Journal of Food Science, 2012, 77, C1179-84.	3.1	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. ChemBioChem, 2005, 6, 386-394.	2.6	60
54	The UBIAD1 Prenyltransferase Links Menaquione-4 Synthesis to Cholesterol Metabolic Enzymes. Human Mutation, 2013, 34, 317-329.	2.5	60

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55	Accumulation ofÂtocopherols andÂtocotrienols during seed development ofÂgrape (VitisÂvinifera L. cv.) Tj ETQq1 1 0.784314 rgBT /Ov	5.8	59
56	Rapid generation of macrocycles with natural-product-like side chains by multiple multicomponent macrocyclizations (MiBs). Organic and Biomolecular Chemistry, 2008, 6, 1787.	2.8	58
57	UBIAD1 Mutation Alters a Mitochondrial Prenyltransferase to Cause Schnyder Corneal Dystrophy. PLoS ONE, 2010, 5, e10760.	2.5	58
58	Compositional and structural studies of the oils from two edible seeds: Tiger nut, Cyperus esculentum, and asiato, Pachira insignis, from Ghana. Food Research International, 2012, 47, 259-266.	6.2	58
59	Versatile antitumor potential of isoxanthohumol: Enhancement of paclitaxel activity in vivo. Pharmacological Research, 2016, 105, 62-73.	7.1	58
60	Comparative metabolite profiling and fingerprinting of genus Passiflora leaves using a multiplex approach of UPLC-MS and NMR analyzed by chemometric tools. Analytical and Bioanalytical Chemistry, 2016, 408, 3125-3143.	3.7	58
61	Homoisoflavonoids from Ophiopogon japonicus Ker-Gawler. Phytochemistry, 2003, 62, 1153-1158.	2.9	57
62	Freezing Imine Exchange in Dynamic Combinatorial Libraries with Ugi Reactions:â€‰ Versatile Access to Templated Macrocycles. Organic Letters, 2007, 9, 4733-4736.	4.6	57
63	Synthesis and biochemical studies of novel organic selenides with increased selectivity for hepatocellular carcinoma and breast adenocarcinoma. European Journal of Medicinal Chemistry, 2019, 179, 515-526.	5.5	55
64	Expression, regulation and function of the ISGylation system in prostate cancer. Oncogene, 2009, 28, 2606-2620.	5.9	53
65	Characterization of the anticancer properties of monoglycosidic cardenolides isolated from Nerium oleander and Streptocaulon tomentosum. Journal of Ethnopharmacology, 2011, 134, 781-788.	4.1	53
66	Alkylating enzymes. Current Opinion in Chemical Biology, 2013, 17, 229-235.	6.1	53
67	Synthesis of N,N-disubstituted selenoamides by O/Se-exchange with seleniumâ€“Lawesson's reagent. Tetrahedron Letters, 2003, 44, 6911-6913.	1.4	52
68	A Structural Model of the Membraneâ€Bound Aromatic Prenyltransferase UbiA from E. coli. ChemBioChem, 2008, 9, 982-992.	2.6	52
69	Helicascolide C, a new lactone from an Indonesian marine algicolous strain of Daldinia eschscholzii (Xylariaceae, Ascomycota). Phytochemistry Letters, 2012, 5, 83-86.	1.2	52
70	NMR approach for the authentication of 10 cinnamon spice accessions analyzed via chemometric tools. LWT - Food Science and Technology, 2018, 90, 491-498.	5.2	52
71	Introducing the Petasis Reaction for Lateâ€Stage Multicomponent Diversification, Labeling, and Stapling of Peptides. Angewandte Chemie - International Edition, 2019, 58, 2700-2704.	13.8	52
72	Synthesis of Steroidâ^'Biaryl Ether Hybrid Macrocycles with High Skeletal and Side Chain Variability by Multiple Multicomponent Macrocyclization Including Bifunctional Building Blocks. Journal of Organic Chemistry, 2006, 71, 7521-7526.	3.2	51

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73	Rapid Access to N-Substituted Diketopiperazines by One-Pot Ugi-4CR/Deprotection+Activation/Cyclization (UDAC). ACS Combinatorial Science, 2009, 11, 1078-1082.	3.3	51
74	Comparative analysis of Hibiscus sabdariffa (roselle) hot and cold extracts in respect to their potential for Î±-glucosidase inhibition. Food Chemistry, 2018, 250, 236-244.	8.2	51
75	Molecular and structural basis of metabolic diversity mediated by prenyldiphosphate converting enzymes. Phytochemistry, 2009, 70, 1758-1775.	2.9	50
76	Macrocyclization of Peptide Side Chains by the Ugi Reaction: Achieving Peptide Folding and Exocyclic N-Functionalization in One Shot. Journal of Organic Chemistry, 2015, 80, 6697-6707.	3.2	50
77	Natural Products from Microalgae with Potential against Alzheimerâ€™s Disease: Sulfolipids Are Potent Glutaminyl Cyclase Inhibitors. Marine Drugs, 2016, 14, 203.	4.6	50
78	A new functionalized, chiral disulfide derived from l-cysteine: (R,R)-bis[(3-benzyloxazolan-4-yl)-methane] disulfide as a catalyst in the diethylzinc addition to aldehydes. Tetrahedron: Asymmetry, 1999, 10, 1733-1738.	1.8	48
79	Flavonoid production in transgenic hop (Humulus lupulus L.) altered by PAP1/MYB75 from Arabidopsis thaliana L.. Plant Cell Reports, 2012, 31, 111-119.	5.6	48
80	Palladium-Catalyzed Direct Arylation of Selenophene. Journal of Organic Chemistry, 2014, 79, 5987-5992.	3.2	48
81	Soft Corals Biodiversity in the Egyptian Red Sea: A Comparative MS and NMR Metabolomics Approach of Wild and Aquarium Grown Species. Journal of Proteome Research, 2016, 15, 1274-1287.	3.7	48
82	Chromium(II)-Mediated Reformatsky Reactions of Carboxylic Esters with Aldehydes. Journal of Organic Chemistry, 1997, 62, 3772-3774.	3.2	47
83	One pot synthesis of selenocysteine containing peptoid libraries by Ugi multicomponent reactions in water. Chemical Communications, 2006, , 541-543.	4.1	47
84	Osmotic stress is accompanied by protein glycation inArabidopsis thaliana. Journal of Experimental Botany, 2016, 67, 6283-6295.	4.8	47
85	A New Route to Protected Acyloins and Their Enzymatic Resolution with Lipases. European Journal of Organic Chemistry, 2004, 2004, 1063-1074.	2.4	46
86	Arabidopsis thaliana isoprenyl diphosphate synthases produce the C₂₅ intermediate geranylfarnesyl diphosphate. Plant Journal, 2015, 84, 847-859.	5.7	46
87	Integrated comparative metabolite profiling via MS and NMR techniques for Senna drug quality control analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 1937-1949.	3.7	46
88	Variation in Ceratonia siliqua pod metabolome in context of its different geographical origin, ripening stage and roasting process. Food Chemistry, 2019, 283, 675-687.	8.2	46
89	Stereoselective synthesis of Boc-protected l-seleno- and tellurolanthionine, l-seleno- and tellurocystine and derivatives. Tetrahedron Letters, 2006, 47, 1019-1021.	1.4	45
90	NMR, GCâ€“MS and ESIâ€FTICRâ€MS Profiling of Fatty Acids and Triacylglycerols in Some Botswana Seed Oils. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 1021-1032.	1.9	45

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91	Acetylcholinesterase inhibitors from the toadstool Cortinarius infractus. Bioorganic and Medicinal Chemistry, 2010, 18, 2173-2177.	3.0	45
92	The Bladder Tumor Suppressor Protein TERE1 (UBIAD1)Modulates Cell Cholesterol: Implications for Tumor Progression. DNA and Cell Biology, 2011, 30, 851-864.	1.9	44
93	Global proteomic analysis of advanced glycation end products in the Arabidopsis proteome provides evidence for age-related glycation hot spots. Journal of Biological Chemistry, 2017, 292, 15758-15776.	3.4	44
94	A Multicomponent Stapling Approach to Exocyclic Functionalized Helical Peptides: Adding Lipids, Sugars, PEGs, Labels, and Handles to the Lactam Bridge. Bioconjugate Chemistry, 2019, 30, 253-259.	3.6	44
95	Fast and efficient microwave-assisted synthesis of functionalized peptoids via Ugi reactions. Organic and Biomolecular Chemistry, 2011, 9, 5024.	2.8	43
96	A Multiple Multicomponent Approach to Chimeric Peptideâ€“Peptoid Podands. Chemistry - A European Journal, 2013, 19, 6417-6428.	3.3	43
97	Natural products â€“ learning chemistry from plants. Biotechnology Journal, 2014, 9, 326-336.	3.5	43
98	Isolation and anticancer, anthelminthic, and antiviral (HIV) activity of acylphloroglucinols, and regioselective synthesis of empetrifranzinans from Hypericum roeperianum. Bioorganic and Medicinal Chemistry, 2015, 23, 6327-6334.	3.0	43
99	Solution- and Solid-Phase Macrocyclization of Peptides by the Ugiâ€“Smiles Multicomponent Reaction: Synthesis of N-Aryl-Bridged Cyclic Lipopeptides. Organic Letters, 2016, 18, 4096-4099.	4.6	43
100	A Snapshot of the Plant Glycated Proteome. Journal of Biological Chemistry, 2016, 291, 7621-7636.	3.4	43
101	Antimicrobial, Antioxidant, and Cytotoxic Activities of Ocimum forskolei and Teucrium yemense (Lamiaceae) Essential Oils. Medicines (Basel, Switzerland), 2017, 4, 17.	1.4	43
102	Interactions between dietary flavonoids and the gut microbiome: a comprehensive review. British Journal of Nutrition, 2022, 128, 577-591.	2.3	43
103	Benzeneselenenyl Reagents in Organic Synthesis. Journal FÃ¼r Praktische Chemie, Chemiker-Zeitung, 1998, 340, 189-203.	0.5	42
104	Hygrophorones Aâ€“G: fungicidal cyclopentenones from Hygrophorus species (Basidiomycetes). Phytochemistry, 2004, 65, 1061-1071.	2.9	42
105	Profiling of Phytosterols, Tocopherols and Tocotrienols in Selected Seed Oils from Botswana by GCâ€“MS and HPLC. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 617-625.	1.9	42
106	Cyclic Peptidomimetics and Pseudopeptides from Multicomponent Reactions. Topics in Heterocyclic Chemistry, 2010, , 199-226.	0.2	42
107	Acetylenic 2-phenylethylamides and new isobutylamides from Acmella oleracea (L.) R. K. Jansen, a Brazilian spice with larvicidal activity on Aedes aegypti. Phytochemistry Letters, 2013, 6, 67-72.	1.2	42
108	Early responses of mature Arabidopsis thaliana plants to reduced water potential in the agar-based polyethylene glycol infusion drought model. Journal of Plant Physiology, 2017, 208, 70-83.	3.5	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. Marine Drugs, 2011, 9, 294-306.	4.6	41
110	Epothilones: Promising Natural Products with Taxol-Like Activity. Angewandte Chemie International Edition in English, 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. Journal of Agricultural and Food Chemistry, 2012, 60, 6303-6311.	5.2	40
112	Oneâ€Pot Assembly of Amino Acid Bridged Hybrid Macromulticyclic Cages through Multiple Multicomponent Macrocyclizations. Angewandte Chemie - International Edition, 2017, 56, 3501-3505.	13.8	40
113	Furoquinolines and dihydrooxazole alkaloids with cytotoxic activity from the stem bark of Araliopsis soyauxii. FÃ¬toterapÃ¬Â¢, 2019, 133, 193-199.	2.2	40
114	A New Versatile Synthesis of Ringâ€Substituted 2â€Cyclopropylglycines and Related Amino Acids. Chemische Berichte, 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. Biological Chemistry, 2010, 391, 1281-93.	2.5	39
116	One-pot synthesis of organophosphate monoesters from alcohols. Tetrahedron Letters, 2013, 54, 1690-1692.	1.4	39
117	Assessment of sensory metabolites distribution in 3 cactus Opuntia ficus-indica fruit cultivars using UV fingerprinting and GC/MS profiling techniques. LWT - Food Science and Technology, 2017, 80, 145-154.	5.2	39
118	Catalytic enantioselective aryl transfer: asymmetric addition of boronic acids to aldehydes using pyrrolidinylmethanols as ligands. Tetrahedron Letters, 2005, 46, 7827-7830.	1.4	38
119	Brunneins Aâ€“C, Î²-Carboline Alkaloids from Cortinarius brunneus. Journal of Natural Products, 2007, 70, 1529-1531.	3.0	38
120	Cm-p5: an antifungal hydrophilic peptide derived from the coastal mollusk Cenchritis muricatus (Gastropoda: Littorinidae). FASEB Journal, 2015, 29, 3315-3325.	0.5	38
121	Unraveling the active hypoglycemic agent trigonelline in Balanites aegyptiaca date fruit using metabolite fingerprinting by NMR. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 383-387.	2.8	38
122	The chromium-Reformatsky reaction: anti-selective Evans-type aldol reactions with excellent inverse induction at ambient temperature. Tetrahedron Letters, 1997, 38, 4387-4388.	1.4	37
123	Mutational Studies Confirm the Catalytic Triad in the Human Selenoenzyme Thioredoxin Reductase Predicted by Molecular Modeling. ChemBioChem, 2006, 7, 1649-1652.	2.6	37
124	Metabolite profiling in 18 Saudi date palm fruit cultivars and their antioxidant potential via UPLC-qTOF-MS and multivariate data analyses. Food and Function, 2016, 7, 1077-1086.	4.6	37
125	No Silver Bullet â€“ Canonical Poly(ADP-Ribose) Polymerases (PARPs) Are No Universal Factors of Abiotic and Biotic Stress Resistance of Arabidopsis thaliana. Frontiers in Plant Science, 2017, 08, 59.	3.6	37
126	Introducing the Petasis Reaction for Lateâ€Stage Multicomponent Diversification, Labeling, and Stapling of Peptides. Angewandte Chemie, 2019, 131, 2726-2730.	2.0	37

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127	Prenylation of Benzoic Acid Derivatives Catalyzed by a Transferase fromEscherichia coli Overproduction: Method Development and Substrate Specificity. Angewandte Chemie International Edition in English, 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. ChemBioChem, 2004, 5, 311-323.	2.6	36
129	An efficient synthesis of the phytoestrogen 8-prenylnaringenin from xanthohumol by a novel demethylation process. Tetrahedron, 2006, 62, 6961-6966.	1.9	36
130	RDC-Based Determination of the Relative Configuration of the Fungicidal Cyclopentenone 4,6-Diacetylhygrophorone A¹². Journal of Natural Products, 2013, 76, 839-844.	3.0	36
131	Developmental changes in leaf phenolics composition from three artichoke cvs. (Cynara scolymus) as determined via UHPLCâ€“MS and chemometrics. Phytochemistry, 2014, 108, 67-76.	2.9	36
132	Bidirectional macrocyclization of peptides by double multicomponent reactions. Organic and Biomolecular Chemistry, 2015, 13, 438-446.	2.8	36
133	Authentication of saffron spice accessions from its common substitutes via a multiplex approach of UV/VIS fingerprints and UPLC/MS using molecular networking and chemometrics. Food Chemistry, 2022, 367, 130739.	8.2	36
134	Synthesis of Novel Steroid-Peptoid Hybrid Macrocycles by Multiple Multicomponent Macrocyclizations Including Bifunctional Building Blocks (MiBs). Molecules, 2007, 12, 1890-1899.	3.8	35
135	A Biomimetic Approach for Polyfunctional Secocholanes: Tuning Flexibility and Functionality on Peptidic and Macrocyclic Scaffolds Derived from Bile Acids. Journal of Organic Chemistry, 2008, 73, 6229-6238.	3.2	35
136	Flavonoids and a neolignan glucoside from Guarea macrophylla (Meliaceae). Quimica Nova, 2012, 35, 1123-1126.	0.3	35
137	1,4-Addition of (Diphenylmethylene)amine to Acceptor Substituted Olefins. A Versatile Synthesis of Protected Î²-Amino Acids, Nitriles, and Ketones. Synthesis, 1989, 1989, 359-363.	2.3	34
138	New C 2 -symmetric chiral disulfide ligands derived from (R)-cysteine. Tetrahedron, 2001, 57, 3291-3295.	1.9	34
139	The facile synthesis of chiral oxazoline catalysts for the diethylzinc addition to aldehydes. Tetrahedron: Asymmetry, 2003, 14, 3291-3295.	1.8	34
140	One-Step Synthesis of Natural Product-Inspired Biaryl Ether-Cyclopeptoid Macrocycles by Double Ugi Multiple-Component Reactions of Bifunctional Building Blocks. European Journal of Organic Chemistry, 2007, 2007, 149-157.	2.4	34
141	(Iso)-Quinoline Alkaloids from Fungal Fruiting Bodies of Cortinarius subtortus. Journal of Natural Products, 2008, 71, 1092-1094.	3.0	34
142	Classification of commercial cultivars of Humulus lupulus L. (hop) by chemometric pixel analysis of two dimensional nuclear magnetic resonance spectra. Metabolomics, 2014, 10, 21-32.	3.0	34
143	Anti-Inflammatory Activity of A Polyphenolic Extract from Arabidopsis thaliana in In Vitro and In Vivo Models of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 708.	4.1	34
144	4-Isocyanopermethylbutane-1,1,3-triol (IPB): a convertible isonitrile for multicomponent reactions. Tetrahedron Letters, 2012, 53, 5360-5363.	1.4	33

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145	Chemical composition and biological activity of essential oil from Pulicaria undulata from Yemen. Natural Product Communications, 2012, 7, 257-60.	0.5	33
146	Antifungal rosane diterpenes and other constituents of Hugonia castaneifolia. Phytochemistry, 2008, 69, 200-205.	2.9	32
147	Chilenopeptins A and B, Peptaibols from the Chilean Sepedonium aff. chalcipori KSH 883. Journal of Natural Products, 2016, 79, 929-938.	3.0	32
148	Droplet-Assisted Microfluidic Fabrication and Characterization of Multifunctional Polysaccharide Microgels Formed by Multicomponent Reactions. Polymers, 2018, 10, 1055.	4.5	32
149	First Generation Cysteine- and Methionine-Derived Oxazolidine and Thiazolidine Ligands for Palladium-Catalyzed Asymmetric Allylations. European Journal of Organic Chemistry, 2004, 2004, 2715-2722.	2.4	31
150	Synthesis of Selenocysteine and Its Derivatives with an Emphasis on Selenenylsulfide (ï£¿Seï£¿Sï£¿) Formation. Chemistry and Biodiversity, 2008, 5, 375-388.	2.1	31
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