

Ludger A Wessjohann

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400
papers

10,963
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51
h-index

80
g-index

458
ext. papers

12,403
ext. citations

4.7
avg, IF

6.48
L-index

#	Paper	IF	Citations
400	Biosynthesis and metabolism of cyclopropane rings in natural compounds. <i>Chemical Reviews</i> , 2003 , 103, 1625-48	68.1	469
399	Multiple multicomponent macrocyclizations (MiBs): a strategic development toward macrocycle diversity. <i>Chemical Reviews</i> , 2009 , 109, 796-814	68.1	261
398	Hydrogen peroxide - production, fate and role in redox signaling of tumor cells. <i>Cell Communication and Signaling</i> , 2015 , 13, 39	7.5	258
397	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	4	193
396	Selenium in chemistry and biochemistry in comparison to sulfur. <i>Biological Chemistry</i> , 2007 , 388, 997-1006	5	192
395	What can a chemist learn from nature's macrocycles?--a brief, conceptual view. <i>Molecular Diversity</i> , 2005 , 9, 171-86	3.1	191
394	Profiling of Arabidopsis secondary metabolites by capillary liquid chromatography coupled to electrospray ionization quadrupole time-of-flight mass spectrometry. <i>Plant Physiology</i> , 2004 , 134, 548-59	6.6	177
393	Recent Advances in Chromium(II)- and Chromium(III)-Mediated Organic Synthesis. <i>Synthesis</i> , 1999 , 1999, 1-36	2.9	177
392	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	16.4	144
391	Synthesis of natural-product-based compound libraries. <i>Current Opinion in Chemical Biology</i> , 2000 , 4, 303-9	9.7	110
390	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, 7692-5	16.4	109
389	Synthesis and selective anticancer activity of organochalcogen based redox catalysts. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 6954-63	8.3	107
388	Differential distribution of tocopherols and tocotrienols in photosynthetic and non-photosynthetic tissues. <i>Phytochemistry</i> , 2006 , 67, 1185-95	4	107
387	Design and synthesis of cyclic RGD pentapeptoids by consecutive Ugi reactions. <i>Organic Letters</i> , 2008 , 10, 205-8	6.2	106
386	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, 620-8	4.6	97
385	Tailoring the Reactivity of Small Ring Building Blocks for Organic Synthesis. <i>Synlett</i> , 1990 , 1990, 20-32	2.2	93
384	Traceless tosylhydrazone-based triazole formation: a metal-free alternative to strain-promoted azide-alkyne cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5343-6	16.4	91

383	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, 333-42	8.5	90
382	Supramolecular compounds from multiple ugi multicomponent macrocyclizations: peptoid-based cryptands, cages, and cryptophanes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7122-3	16.4	90
381	Total synthesis of tubulyisin U and V. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7235-9	16.4	88
380	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, 4785-90	16.4	85
379	Strategies for Total and Diversity-Oriented Synthesis of Natural Product(-Like) Macrocycles. <i>Topics in Current Chemistry</i> , 137-184		84
378	Phytochemical, phylogenetic, and anti-inflammatory evaluation of 43 <i>Urtica</i> accessions (stinging nettle) based on UPLC-Q-TOF-MS metabolomic profiles. <i>Phytochemistry</i> , 2013 , 96, 170-83	4	77
377	Metabolomics driven analysis of artichoke leaf and its commercial products via UHPLC-q-TOF-MS and chemometrics. <i>Phytochemistry</i> , 2013 , 95, 177-87	4	75
376	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	4.7	75
375	Multiple multicomponent macrocyclizations including bifunctional building blocks (MiBs) based on Staudinger and Passerini three-component reactions. <i>Journal of Organic Chemistry</i> , 2008 , 73, 1762-7	4.2	75
374	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	7	71
373	Metabolite profiling and fingerprinting of <i>Hypericum</i> species: a comparison of MS and NMR metabolomics. <i>Metabolomics</i> , 2014 , 10, 574-588	4.7	70
372	Architectural chemistry: synthesis of topologically diverse macromulticycles by sequential multiple multicomponent macrocyclizations. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3721-32	16.4	68
371	Chemoenzymatic dynamic kinetic resolution of acyloins. <i>Journal of Organic Chemistry</i> , 2005 , 70, 9551-5	4.2	68
370	Chiral diselenide ligands for the asymmetric copper-catalyzed conjugate addition of Grignard reagents to enones. <i>Tetrahedron Letters</i> , 2002 , 43, 7329-7331	2	68
369	Macrocycles rapidly produced by multiple multicomponent reactions including bifunctional building blocks (MiBs). <i>Molecular Diversity</i> , 2005 , 9, 159-69	3.1	67
368	Methodology of Drought Stress Research: Experimental Setup and Physiological Characterization. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	66
367	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, 2879-82	4.2	65
366	Exploring synthetic avenues for the effective synthesis of selenium- and tellurium-containing multifunctional redox agents. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 4753-62	3.9	62

365	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,	4.8	61
364	Regiospecific synthesis of 4-alkoxy and 4-amino substituted 2-trifluoromethyl pyrroles. <i>Journal of Organic Chemistry</i> , 2006 , 71, 6996-8	4.2	61
363	Organoselenocyanates and symmetrical diselenides redox modulators: Design, synthesis and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2015 , 97, 190-201	6.8	60
362	In vitro and in vivo production of new aminocoumarins by a combined biochemical, genetic, and synthetic approach. <i>Chemistry and Biology</i> , 2004 , 11, 173-83		58
361	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	2.4	58
360	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, 488-96	3.1	57
359	Rapid generation of macrocycles with natural-product-like side chains by multiple multicomponent macrocyclizations (MiBs). <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1787-95	3.9	56
358	Volatiles profiling in medicinal licorice roots using steam distillation and solid-phase microextraction (SPME) coupled to chemometrics. <i>Journal of Food Science</i> , 2012 , 77, C1179-84	3.4	55
357	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, 386-94	3.8	55
356	Homoisoflavonoids from <i>Ophiopogon japonicus</i> Ker-Gawler. <i>Phytochemistry</i> , 2003 , 62, 1153-8	4	54
355	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	4	53
354	Multicomponent reactions for the synthesis of multifunctional agents with activity against cancer cells. <i>Chemical Communications</i> , 2009 , 4702-4	5.8	53
353	The chromium- α - 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	2	53
352	Freezing imine exchange in dynamic combinatorial libraries with Ugi reactions: versatile access to templated macrocycles. <i>Organic Letters</i> , 2007 , 9, 4733-6	6.2	53
351	Natural products - modifying metabolite pathways in plants. <i>Biotechnology Journal</i> , 2013 , 8, 1159-71	5.6	52
350	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	6.8	51
349	Redox proteomics: Methods for the identification and enrichment of redox-modified proteins and their applications. <i>Proteomics</i> , 2016 , 16, 197-213	4.8	51
348	The UBIAD1 prenyltransferase links menaquinone-4 [corrected] synthesis to cholesterol metabolic enzymes. <i>Human Mutation</i> , 2013 , 34, 317-29	4.7	50

347	First total synthesis of tubulysin B. <i>Organic Letters</i> , 2009 , 11, 5567-9	6.2	49
346	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, 7521-6	4.2	49
345	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, 3125-43	4.4	48
344	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	1.9	47
343	Diacetin, a reliable cue and private communication channel in a specialized pollination system. <i>Scientific Reports</i> , 2015 , 5, 12779	4.9	47
342	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, 781-8	5	47
341	UBIAD1 mutation alters a mitochondrial prenyltransferase to cause Schnyder corneal dystrophy. <i>PLoS ONE</i> , 2010 , 5, e10760	3.7	47
340	Synthesis of N,N-disubstituted selenoamides by O/Se-exchange with selenium Lawesson's reagent. <i>Tetrahedron Letters</i> , 2003 , 44, 6911-6913	2	47
339	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	7	46
338	Expression, regulation and function of the ISGylation system in prostate cancer. <i>Oncogene</i> , 2009 , 28, 2606-20	9.2	46
337	A structural model of the membrane-bound aromatic prenyltransferase UbiA from <i>E. coli</i> . <i>ChemBioChem</i> , 2008 , 9, 982-92	3.8	46
336	Macrocyclization of Peptide Side Chains by the Ugi Reaction: Achieving Peptide Folding and Exocyclic N-Functionalization in One Shot. <i>Journal of Organic Chemistry</i> , 2015 , 80, 6697-707	4.2	45
335	Rapid access to N-substituted diketopiperazines by one-pot Ugi-4CR/deprotection+activation/cyclization (UDAC). <i>ACS Combinatorial Science</i> , 2009 , 11, 1078-82		44
334	Versatile antitumor potential of isoxanthohumol: Enhancement of paclitaxel activity in vivo. <i>Pharmacological Research</i> , 2016 , 105, 62-73	10.2	43
333	Palladium-catalyzed direct arylation of selenophene. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5987-92	4.2	43
332	Molecular and structural basis of metabolic diversity mediated by prenyldiphosphate converting enzymes. <i>Phytochemistry</i> , 2009 , 70, 1758-75	4	43
331	Accumulation of tocopherols and tocotrienols during seed development of grape (<i>Vitis vinifera</i> L. cv. Albert Lavallée). <i>Plant Physiology and Biochemistry</i> , 2006 , 44, 724-31	5.4	43
330	Alkylating enzymes. <i>Current Opinion in Chemical Biology</i> , 2013 , 17, 229-35	9.7	42

329	Trade-offs between physical and chemical carbon-based leaf defence: of intraspecific variation and trait evolution. <i>Journal of Ecology</i> , 2015 , 103, 1667-1679	6	42
328	NMR, GCMS and ESI-FTICR-MS Profiling of Fatty Acids and Triacylglycerols in Some Botswana Seed Oils. <i>JAACS, Journal of the American Oil ChemistshSociety</i> , 2008 , 85, 1021-1032	1.8	42
327	One pot synthesis of selenocysteine containing peptoid libraries by Ugi multicomponent reactions in water. <i>Chemical Communications</i> , 2006 , 541-3	5.8	41
326	A multiple multicomponent approach to chimeric peptide-peptoid podands. <i>Chemistry - A European Journal</i> , 2013 , 19, 6417-28	4.8	40
325	Stereoselective synthesis of Boc-protected l-seleno- and tellurolanthionine, l-seleno- and tellurocystine and derivatives. <i>Tetrahedron Letters</i> , 2006 , 47, 1019-1021	2	40
324	A New Route to Protected Acyloins and Their Enzymatic Resolution with Lipases. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 1063-1074	3.2	40
323	Hygrophorones A-G: fungicidal cyclopentenones from Hygrophorus species (Basidiomycetes). <i>Phytochemistry</i> , 2004 , 65, 1061-71	4	40
322	Integrated comparative metabolite profiling via MS and NMR techniques for Senna drug quality control analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1937-49	4.4	39
321	The bladder tumor suppressor protein TERE1 (UBIAD1) modulates cell cholesterol: implications for tumor progression. <i>DNA and Cell Biology</i> , 2011 , 30, 851-64	3.6	39
320	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		39
319	Cyclic Peptidomimetics and Pseudopeptides from Multicomponent Reactions. <i>Topics in Heterocyclic Chemistry</i> , 2010 , 199-226	0.2	38
318	Acetylcholinesterase inhibitors from the toadstool Cortinarius infractus. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 2173-2177	3.4	38
317	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	13	38
316	Comparative analysis of Hibiscus sabdariffa (roselle) hot and cold extracts in respect to their potential for α -glucosidase inhibition. <i>Food Chemistry</i> , 2018 , 250, 236-244	8.5	37
315	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, 1274-87	5.6	37
314	Fast and efficient microwave-assisted synthesis of functionalized peptoids via Ugi reactions. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5024-7	3.9	37
313	Natural Products from Microalgae with Potential against Alzheimer's Disease: Sulfolipids Are Potent Glutaminy Cyclase Inhibitors. <i>Marine Drugs</i> , 2016 , 14,	6	37
312	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, 111-9	5.1	36

311	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	1.9	36
310	<i>Arabidopsis thaliana</i> isoprenyl diphosphate synthases produce the C25 intermediate geranylarnesyl diphosphate. <i>Plant Journal</i> , 2015 , 84, 847-59	6.9	36
309	Profiling of Phytosterols, Tocopherols and Tocotrienols in Selected Seed Oils from Botswana by GCMS and HPLC. <i>JAOCS, Journal of the American Oil ChemistshSociety</i> , 2009 , 86, 617-625	1.8	36
308	Chromium(II)-Mediated Reformatsky Reactions of Carboxylic Esters with Aldehydes. <i>Journal of Organic Chemistry</i> , 1997 , 62, 3772-3774	4.2	36
307	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, 311-23	3.8	36
306	A New Versatile Synthesis of Ring-Substituted 2-Cyclopropylglycines and Related Amino Acids. <i>Chemische Berichte</i> , 1992 , 125, 867-882		36
305	Solution- and Solid-Phase Macrocyclization of Peptides by the Ugi-Smiles Multicomponent Reaction: Synthesis of N-Aryl-Bridged Cyclic Lipopeptides. <i>Organic Letters</i> , 2016 , 18, 4096-9	6.2	36
304	Introducing the Petasis Reaction for Late-Stage Multicomponent Diversification, Labeling, and Stapling of Peptides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2700-2704	16.4	36
303	Global proteomic analysis of advanced glycation end products in the proteome provides evidence for age-related glycation hot spots. <i>Journal of Biological Chemistry</i> , 2017 , 292, 15758-15776	5.4	35
302	Bidirectional macrocyclization of peptides by double multicomponent reactions. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 438-46	3.9	35
301	Benzeneselenenyl Reagents in Organic Synthesis. <i>Journal für Praktische Chemie, Chemiker-Zeitung</i> , 1998 , 340, 189-203		35
300	One-Pot Assembly of Amino Acid Bridged Hybrid Macromulticyclic Cages through Multiple Multicomponent Macrocyclizations. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3501-3505	16.4	34
299	A Snapshot of the Plant Glycated Proteome: STRUCTURAL, FUNCTIONAL, AND MECHANISTIC ASPECTS. <i>Journal of Biological Chemistry</i> , 2016 , 291, 7621-36	5.4	34
298	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	6.8	34
297	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	4.5	34
296	Mutational studies confirm the catalytic triad in the human selenoenzyme thioredoxin reductase predicted by molecular modeling. <i>ChemBioChem</i> , 2006 , 7, 1649-52	3.8	34
295	Catalytic enantioselective aryl transfer: asymmetric addition of boronic acids to aldehydes using pyrrolidinylmethanols as ligands. <i>Tetrahedron Letters</i> , 2005 , 46, 7827-7830	2	34
294	Natural products ¶earning chemistry from plants. <i>Biotechnology Journal</i> , 2014 , 9, 326-36	5.6	33

293	Brunneins A-C, beta-carboline alkaloids from <i>Cortinarius brunneus</i> . <i>Journal of Natural Products</i> , 2007 , 70, 1529-31	4.9	33
292	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	6.3	33
291	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	5.4	32
290	Osmotic stress is accompanied by protein glycation in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016 , 67, 6283-6295	7	32
289	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, 1077-86	6.1	32
288	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	6	32
287	Epothilones: Promising Natural Products with Taxol-Like Activity. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 715-718		32
286	(Iso)-quinoline alkaloids from fungal fruiting bodies of <i>Cortinarius subtortus</i> . <i>Journal of Natural Products</i> , 2008 , 71, 1092-4	4.9	32
285	A biomimetic approach for polyfunctional secocholanes: tuning flexibility and functionality on peptidic and macrocyclic scaffolds derived from bile acids. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6229-38	4.2	32
284	Synthesis of novel steroid-peptoid hybrid macrocycles by multiple multicomponent macrocyclizations including bifunctional building blocks (MiBs). <i>Molecules</i> , 2007 , 12, 1890-9	4.8	32
283	An efficient synthesis of the phytoestrogen 8-prenylnaringenin from xanthohumol by a novel demethylation process. <i>Tetrahedron</i> , 2006 , 62, 6961-6966	2.4	32
282	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		32
281	Chemical composition and biological activity of essential oil from <i>Pulicaria undulata</i> from Yemen. <i>Natural Product Communications</i> , 2012 , 7, 257-60	0.9	32
280	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	3.6	31
279	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, 6303-11	5.7	31
278	RDC-based determination of the relative configuration of the fungicidal cyclopentenone 4,6-diacetylhygrophorone A12. <i>Journal of Natural Products</i> , 2013 , 76, 839-44	4.9	31
277	One-Step Synthesis of Natural Product-Inspired Biaryl Ether-Cyclopeptoid Macrocycles by Double Ugi Multiple-Component Reactions of Bifunctional Building Blocks. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 149-157	3.2	31
276	Synthesis of selenocysteine and its derivatives with an emphasis on selenenylsulfide (-Se-S-) formation. <i>Chemistry and Biodiversity</i> , 2008 , 5, 375-88	2.5	31

- 275 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^{5.4} 30
- 274 Cm-p5: an antifungal hydrophilic peptide derived from the coastal mollusk *Cenchritis muricatus* (Gastropoda: Littorinidae). *FASEB Journal*, **2015**, 29, 3315-25 0.9 30
- 273 Antimicrobial, Antioxidant, and Cytotoxic Activities of *Ocimum forskolei* and *Teucrium yemense* (Lamiaceae) Essential Oils. *Medicines (Basel, Switzerland)*, **2017**, 4, 4.1 30
- 272 The facile synthesis of chiral oxazoline catalysts for the diethylzinc addition to aldehydes. *Tetrahedron: Asymmetry*, **2003**, 14, 3291-3295 30
- 271 New C2-symmetric chiral disulfide ligands derived from (R)-cysteine. *Tetrahedron*, **2001**, 57, 3291-3295 2.4 30
- 270 Unraveling the active hypoglycemic agent trigonelline in *Balanites aegyptiaca* date fruit using metabolite fingerprinting by NMR. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 115, 383-7 3.5 29
- 269 Developmental changes in leaf phenolics composition from three artichoke cvs. (*Cynara scolymus*) as determined via UHPLC-MS and chemometrics. *Phytochemistry*, **2014**, 108, 67-76 4 29
- 268 Chemoinformatic analysis of biologically active macrocycles. *Current Topics in Medicinal Chemistry*, **2010**, 10, 1361-79 3 29
- 267 Antifungal rosane diterpenes and other constituents of *Hugonia castaneifolia*. *Phytochemistry*, **2008**, 69, 200-5 4 29
- 266 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 4.7 28
- 265 Improved mutasynthetic approaches for the production of modified aminocoumarin antibiotics. *Chemistry and Biology*, **2007**, 14, 955-67 28
- 264 First Generation Cysteine- and Methionine-Derived Oxazolidine and Thiazolidine Ligands for Palladium-Catalyzed Asymmetric Allylations. *European Journal of Organic Chemistry*, **2004**, 2004, 2715-2722 2.2 28
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- 262 Fast and efficient MCR-based synthesis of clickable rhodamine tags for protein profiling. *Organic and Biomolecular Chemistry*, **2012**, 10, 958-65 3.9 27
- 261 4-Isocyanopermethybutane-1,1,3-triol (IPB): a convertible isonitrile for multicomponent reactions. *Tetrahedron Letters*, **2012**, 53, 5360-5363 2 27
- 260 Spurlose Tosylhydrazon-basierte Triazolsynthese: eine metallfreie Alternative zur ringspannungskatalysierten Azid-Alkin- Cycloaddition. *Angewandte Chemie*, **2012**, 124, 5437-5441 3.6 27
- 259 Ceanothane and lupane type triterpenes from *Zizyphus joazeiro* - an anti-staphylococcal evaluation. *Planta Medica*, **2010**, 76, 47-52 3.1 27
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