

Martin Zehl

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

2,169
citations

26
h-index

41
g-index

101
ext. papers

2,509
ext. citations

5.4
avg, IF

4.66
L-index

#	Paper	IF	Citations
99	Protein hydrogen exchange measured at single-residue resolution by electron transfer dissociation mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 5577-84	7.8	186
98	Electron transfer dissociation facilitates the measurement of deuterium incorporation into selectively labeled peptides with single residue resolution. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17453-9	16.4	139
97	Design of multistable RNA molecules. <i>Rna</i> , 2001 , 7, 254-65	5.8	113
96	Determination of glycopeptide structures by multistage mass spectrometry with low-energy collision-induced dissociation: comparison of electrospray ionization quadrupole ion trap and matrix-assisted laser desorption/ionization quadrupole ion trap reflectron time-of-flight approaches. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 1575-82	2.2	84
95	Measuring the hydrogen/deuterium exchange of proteins at high spatial resolution by mass spectrometry: overcoming gas-phase hydrogen/deuterium scrambling. <i>Accounts of Chemical Research</i> , 2014 , 47, 3018-27	24.3	68
94	Feedback inactivation of D-serine synthesis by NMDA receptor-elicited translocation of serine racemase to the membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7589-94	11.5	65
93	Comparison of toad venoms from different Bufo species by HPLC and LC-DAD-MS/MS. <i>Journal of Ethnopharmacology</i> , 2010 , 131, 368-76	5	63
92	Activity-guided isolation of NF- κ B inhibitors and PPAR α agonists from the root bark of Lycium chinense Miller. <i>Journal of Ethnopharmacology</i> , 2014 , 152, 470-7	5	49
91	Structure-activity relationship analysis of bufadienolide-induced in vitro growth inhibitory effects on mouse and human cancer cells. <i>Journal of Natural Products</i> , 2013 , 76, 1078-84	4.9	48
90	Identification and quantification of flavonoids and ellagic acid derivatives in therapeutically important Drosera species by LC-DAD, LC-NMR, NMR, and LC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 2565-76	4.4	48
89	Identification and quantification of coumarins in Peucedanum ostruthium (L.) Koch by HPLC-DAD and HPLC-DAD-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 4371-7	5.7	40
88	Comparison of CID spectra of singly charged polypeptide antibiotic precursor ions obtained by positive-ion vacuum MALDI IT/RTOF and TOF/RTOF, AP-MALDI-IT and ESI-IT mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2006 , 41, 421-47	2.2	40
87	Loss of ammonia during electron-transfer dissociation of deuterated peptides as an inherent gauge of gas-phase hydrogen scrambling. <i>Analytical Chemistry</i> , 2010 , 82, 9755-62	7.8	37
86	Influence of vinegar and wine processing on the alkaloid content and composition of the traditional Chinese medicine Corydalis Rhizoma (Yanhusuo). <i>Molecules</i> , 2014 , 19, 11487-504	4.8	36
85	Antiparasitic compounds from Cupania cinerea with activities against Plasmodium falciparum and Trypanosoma brucei rhodesiense. <i>Journal of Natural Products</i> , 2011 , 74, 559-66	4.9	36
84	LC-NMR, NMR, and LC-MS identification and LC-DAD quantification of flavonoids and ellagic acid derivatives in Drosera peltata. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 932, 111-6	3.2	33
83	Hellebrin and its aglycone form hellebrigenin display similar in vitro growth inhibitory effects in cancer cells and binding profiles to the alpha subunits of the Na ⁺ /K ⁺ -ATPase. <i>Molecular Cancer</i> , 2013 , 12, 33	42.1	32

82	Rapid structural identification of cytotoxic bufadienolide sulfates in toad venom from <i>Bufo melanostictus</i> by LC-DAD-MS(n) and LC-SPE-NMR. <i>Journal of Natural Products</i> , 2010 , 73, 603-8	4.9	32
81	Instrumental parameters in the MALDI-TOF mass spectrometric analysis of quaternary protein structures. <i>Analytical Chemistry</i> , 2005 , 77, 103-10	7.8	32
80	Identification of new P-glycoprotein inhibitors derived from cardiotoxic steroids. <i>Biochemical Pharmacology</i> , 2015 , 93, 11-24	6	31
79	Phosphorylation of mouse serine racemase regulates D-serine synthesis. <i>FEBS Letters</i> , 2010 , 584, 2937-43	4.8	31
78	Catechol alkenyls from <i>Semecarpus anacardium</i> : acetylcholinesterase inhibition and binding mode predictions. <i>Journal of Ethnopharmacology</i> , 2012 , 139, 142-8	5	30
77	Walnut leaf extract inhibits PTP1B and enhances glucose-uptake in vitro. <i>Journal of Ethnopharmacology</i> , 2014 , 152, 599-602	5	29
76	The Impacts of Genistein and Daidzein on Estrogen Conjugations in Human Breast Cancer Cells: A Targeted Metabolomics Approach. <i>Frontiers in Pharmacology</i> , 2017 , 8, 699	5.6	28
75	Multistage and tandem mass spectrometry of glycosylated triterpenoid saponins isolated from <i>Bacopa monnieri</i> : comparison of the information content provided by different techniques. <i>Analytical Chemistry</i> , 2007 , 79, 8214-21	7.8	28
74	Preparative isolation of oleocanthal, tyrosol, and hydroxytyrosol from olive oil by HPLC. <i>Food Chemistry</i> , 2015 , 170, 154-9	8.5	27
73	Ferruginenes A-C from <i>Rhododendron ferrugineum</i> and their cytotoxic evaluation. <i>Journal of Natural Products</i> , 2011 , 74, 712-7	4.9	26
72	The Herbal Drug <i>Melampyrum pratense</i> L. (Koch): Isolation and Identification of Its Bioactive Compounds Targeting Mediators of Inflammation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013 , 2013, 395316	2.3	25
71	Cytotoxicity of cardiotoxic steroids in sensitive and multidrug-resistant leukemia cells and the link with Na(+)/K(+)-ATPase. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 150, 97-111	5.1	24
70	Extracts from <i>Leonurus sibiricus</i> L. increase insulin secretion and proliferation of rat INS-1E insulinoma cells. <i>Journal of Ethnopharmacology</i> , 2013 , 150, 85-94	5	24
69	Investigation of sample preparation and instrumental parameters in the matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of noncovalent peptide/peptide complexes. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 1931-40	2.2	24
68	Anti-Influenza Triterpene Saponins from the Bark of <i>Burkea africana</i> . <i>Journal of Natural Products</i> , 2018 , 81, 515-523	4.9	23
67	<i>Equisetum arvense</i> (common horsetail) modulates the function of inflammatory immunocompetent cells. <i>BMC Complementary and Alternative Medicine</i> , 2014 , 14, 283	4.7	22
66	Flavonoid C- and O-glycosides from the Mongolian medicinal plant <i>Dianthus versicolor</i> Fisch. <i>Carbohydrate Research</i> , 2011 , 346, 1868-75	2.9	19
65	Transfer-messenger RNA controls the translation of cell-cycle and stress proteins in <i>Streptomyces</i> . <i>EMBO Reports</i> , 2010 , 11, 119-25	6.5	19

64	Ultraviolet matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of intact hemoglobin complex from whole human blood. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 1932-8	2.2	19
63	Flavonoids as chemotaxonomic markers in the genus <i>Drosera</i> . <i>Phytochemistry</i> , 2015 , 118, 74-82	4	18
62	The Novel Atypical Dopamine Uptake Inhibitor -CE-123 Partially Reverses the Effort-Related Effects of the Dopamine Depleting Agent Tetrabenazine and Increases Progressive Ratio Responding. <i>Frontiers in Pharmacology</i> , 2019 , 10, 682	5.6	18
61	Identification of ostruthin from <i>Peucedanum ostruthium</i> rhizomes as an inhibitor of vascular smooth muscle cell proliferation. <i>Journal of Natural Products</i> , 2011 , 74, 1513-6	4.9	18
60	Acetylcholinesterase inhibitors from galbanum, the oleo gum-resin of <i>Ferula gummosa</i> Boiss.. <i>Phytochemistry Letters</i> , 2014 , 10, lxxxii-lxxxvii	1.9	17
59	Allspice and Clove As Source of Triterpene Acids Activating the G Protein-Coupled Bile Acid Receptor TGR5. <i>Frontiers in Pharmacology</i> , 2017 , 8, 468	5.6	17
58	Chitosan-tripolyphosphate nanoparticles as a possible skin drug delivery system for aciclovir with enhanced stability. <i>Journal of Pharmacy and Pharmacology</i> , 2009 , 61, 1609-16	4.8	17
57	Triterpenoic Acids from Apple Pomace Enhance the Activity of the Endothelial Nitric Oxide Synthase (eNOS). <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 185-94	5.7	16
56	Traditionally used <i>Veronica officinalis</i> inhibits proinflammatory mediators via the NF- κ B signalling pathway in a human lung cell line. <i>Journal of Ethnopharmacology</i> , 2013 , 145, 118-26	5	16
55	Compounds from gum ammoniacum with acetylcholinesterase inhibitory activity. <i>Scientia Pharmaceutica</i> , 2013 , 81, 793-805	4.3	16
54	An aqueous birch leaf extract of <i>Betula pendula</i> inhibits the growth and cell division of inflammatory lymphocytes. <i>Journal of Ethnopharmacology</i> , 2011 , 136, 444-51	5	16
53	Characterization of moenomycin antibiotic complex by multistage MALDI-IT/RTOF-MS and ESI-IT-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2006 , 17, 1081-1090	3.5	16
52	Simultaneous quantification of estrogens, their precursors and conjugated metabolites in human breast cancer cells by LC-HRMS without derivatization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 138, 344-350	3.5	15
51	Simultaneous Analysis of Epoxidized and Hydroperoxidized Triacylglycerols in Canola Oil and Margarine by LC-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10174-10184	5.7	15
50	Extracts from the Mongolian traditional medicinal plants <i>Dianthus versicolor</i> Fisch. and <i>Lilium pumilum</i> Delile stimulate bile flow in an isolated perfused rat liver model. <i>Journal of Ethnopharmacology</i> , 2010 , 131, 555-61	5	15
49	GABA(A) receptor modulators from the Chinese herbal drug Junci Medulla--the pith of <i>Juncus effusus</i> . <i>Planta Medica</i> , 2012 , 78, 455-8	3.1	14
48	Mass spectrometric evidence of covalently-bound tetrahydrolipstatin at the catalytic serine of <i>Streptomyces rimosus</i> lipase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007 , 1770, 163-70	4	14
47	Quantitation of phenylpropanoids and iridoids in insulin-sensitising extracts of <i>Leonurus sibiricus</i> L. (Lamiaceae). <i>Phytochemical Analysis</i> , 2016 , 27, 23-31	3.4	14

46	HPTLC Bioautography Guided Isolation of β -Glucosidase Inhibiting Compounds from <i>Justicia secunda</i> Vahl (Acanthaceae). <i>Phytochemical Analysis</i> , 2017 , 28, 87-92	3.4	12
45	FBXO22 protein is required for optimal synthesis of the N-methyl-D-aspartate (NMDA) receptor coagonist D-serine. <i>Journal of Biological Chemistry</i> , 2014 , 289, 33904-15	5.4	12
44	Characterization of covalently inhibited extracellular lipase from <i>Streptomyces rimosus</i> by matrix-assisted laser desorption/ionization time-of-flight and matrix-assisted laser desorption/ionization quadrupole ion trap reflectron time-of-flight mass spectrometry: localization of the active site serine. <i>Journal of Mass Spectrometry</i> , 2004 , 39, 1474-83	2.2	12
43	Chemoselective Homologation-Deoxygenation Strategy Enabling the Direct Conversion of Carbonyls into (α)-Halomethyl-Alkanes. <i>Organic Letters</i> , 2020 , 22, 7629-7634	6.2	12
42	Chemical Composition of and the Effects on Tumor Invasiveness. <i>Frontiers in Pharmacology</i> , 2018 , 9, 3045.6	5.6	11
41	Heterocyclic Analogues of Modafinil as Novel, Atypical Dopamine Transporter Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 9330-9348	8.3	10
40	Cytotoxic constituents from <i>Lobaria scrobiculata</i> and a comparison of two bioassays for their evaluation. <i>Journal of Natural Products</i> , 2014 , 77, 1069-73	4.9	10
39	HPLC determination of flavonoid glycosides in Mongolian <i>Dianthus versicolor</i> Fisch. (Caryophyllaceae) compared with quantification by UV spectrophotometry. <i>Phytochemical Analysis</i> , 2012 , 23, 254-9	3.4	10
38	Peptide-Targeted Polyplexes for Aerosol-Mediated Gene Delivery to CD49f-Overexpressing Tumor Lesions in Lung. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 18, 774-786	10.7	10
37	Metabolism of Curcumin in Human Breast Cancer Cells: Impact of Sulfation on Cytotoxicity. <i>Planta Medica</i> , 2017 , 83, 1028-1034	3.1	9
36	Resveratrol Inhibits Key Steps of Steroid Metabolism in a Human Estrogen-Receptor Positive Breast Cancer Model: Impact on Cellular Proliferation. <i>Frontiers in Pharmacology</i> , 2018 , 9, 742	5.6	9
35	spp. From Ethiopia Producing Antimicrobial Compounds: Characterization via Bioassays, Genome Analyses, and Mass Spectrometry. <i>Frontiers in Microbiology</i> , 2018 , 9, 1270	5.7	9
34	Lupinalbin A as the most potent estrogen receptor β and aryl hydrocarbon receptor agonist in <i>Eriosema laurentii</i> de Wild. (Leguminosae). <i>BMC Complementary and Alternative Medicine</i> , 2014 , 14, 294	4.7	9
33	Structure-Activity Relationships of Novel Thiazole-Based Modafinil Analogues Acting at Monoamine Transporters. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 391-417	8.3	9
32	Secondary metabolites from lichen as potent inhibitors of advanced glycation end products and vasodilative agents. <i>Phytotherapy</i> , 2018 , 131, 182-188	3.2	9
31	spp. From the Marine Sponge : Analyses of Secondary Metabolite Biosynthesis Gene Clusters and Some of Their Products. <i>Frontiers in Microbiology</i> , 2020 , 11, 437	5.7	8
30	Structural characterization of extracellular lipase from <i>Streptomyces rimosus</i> : assignment of disulfide bridge pattern by mass spectrometry. <i>Biological Chemistry</i> , 2004 , 385, 1147-56	4.5	8
29	2-deprenyl-rheediaxanthone B isolated from <i>Metaxya rostrata</i> induces active cell death in colorectal tumor cells. <i>PLoS ONE</i> , 2013 , 8, e65745	3.7	7

28	Antiplasmodial activity of triterpenes isolated from the methanolic leaf extract of <i>Combretum racemosum</i> P. Beauv. <i>Journal of Ethnopharmacology</i> , 2020 , 247, 112203	5	7
27	Lanostane Triterpenes from <i>Gloeophyllum odoratum</i> and Their Anti-Influenza Effects. <i>Planta Medica</i> , 2019 , 85, 195-202	3.1	6
26	A novel heterocyclic compound targeting the dopamine transporter improves performance in the radial arm maze and modulates dopamine receptors D1-D3. <i>Behavioural Brain Research</i> , 2016 , 312, 127-374	3.4	6
25	Rare phenolic structures found in the aerial parts of <i>Eriosema laurentii</i> De Wild. <i>Phytochemistry</i> , 2016 , 128, 5-11	4	6
24	Estrogenic properties of spices of the traditional Cameroonian dish "Nkui" in ovariectomized Wistar rats. <i>Journal of Complementary and Integrative Medicine</i> , 2016 , 13, 151-62	1.5	6
23	Endophytic sp. LN303 from Edelweiss Produces Emestrin and Two New 2-Hydroxy-4 Pyridone Alkaloids. <i>ACS Omega</i> , 2021 , 6, 2184-2191	3.9	6
22	A eudesmane-type sesquiterpene isolated from <i>Pluchea odorata</i> (L.) Cass. combats three hallmarks of cancer cells: Unrestricted proliferation, escape from apoptosis and early metastatic outgrowth in vitro. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015 , 777, 79-90	3.3	5
21	Class IV Lasso Peptides Synergistically Induce Proliferation of Cancer Cells and Sensitize Them to Doxorubicin. <i>IScience</i> , 2020 , 23, 101785	6.1	5
20	Secundarellone A, B, and C from the leaves of <i>Justicia secunda</i> VAHL. <i>Phytochemistry Letters</i> , 2014 , 10, cxxix-cxxxii	1.9	5
19	Quantification of flavonoid glycosides in an aqueous extract from the traditional Mongolian medicinal plant <i>Dianthus versicolor</i> FISCH. <i>Journal of Separation Science</i> , 2011 , 34, 292-8	3.4	5
18	Towards modernization of the formulation of the traditional uighur medicine herbal preparation abnormal savda munziq. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 863101	2.3	5
17	Viennamycins: Lipopeptides Produced by a sp. <i>Journal of Natural Products</i> , 2020 , 83, 2381-2389	4.9	5
16	Trophosome of the Deep-Sea Tubeworm <i>Riftia pachyptila</i> Inhibits Bacterial Growth. <i>PLoS ONE</i> , 2016 , 11, e0146446	3.7	5
15	Evaluation of Apricot, Bilberry, and Elderberry Pomace Constituents and Their Potential To Enhance the Endothelial Nitric Oxide Synthase (eNOS) Activity. <i>ACS Omega</i> , 2018 , 3, 10545-10553	3.9	5
14	Isolation of eudesmanes from <i>Pluchea odorata</i> and evaluation of their effects on cancer cell growth and tumor invasiveness in vitro. <i>Phytochemistry</i> , 2017 , 141, 37-47	4	4
13	N, NQN?-trisubstituted guanidines: Synthesis, characterization and evaluation of their leishmanicidal activity. <i>European Journal of Medicinal Chemistry</i> , 2019 , 171, 116-128	6.8	4
12	Acetylated Furostene Glycosides from <i>Solanum gilo</i> Fruits. <i>Planta Medica</i> , 2017 , 83, 1227-1232	3.1	4
11	Plant extracts in cell-based anti-inflammatory assays: Pitfalls and considerations related to removal of activity masking bulk components. <i>Phytochemistry Letters</i> , 2014 , 10, xli-xlvi	1.9	4

10	Polyphenol oxidase and enzymatic browning in apricot (L.): Effect on phenolic composition and deduction of main substrates.. <i>Current Research in Food Science</i> , 2022 , 5, 196-206	5.6	3
9	Selective anticancer activity of the novel thiobenzanilide 63T against human lung adenocarcinoma cells. <i>Toxicology in Vitro</i> , 2016 , 37, 148-161	3.6	3
8	Effect of Accelerated Aging on the Chemical Signature and Performance of a Multiply-Alkylated Cyclopentane (MAC) Lubricant for Space Applications. <i>Tribology Letters</i> , 2021 , 69, 1	2.8	3
7	In Vitro Digestion of Grape Seed Oil Inhibits Phospholipid-Regulating Effects of Oxidized Lipids. <i>Biomolecules</i> , 2020 , 10,	5.9	2
6	Influence of Rheum rhaponticum, Cimicifuga racemosa and Trifolium pratense extracts on breast cancer cell proliferation. <i>Zeitschrift Fur Phytotherapie: Offizielles Organ Der Ges F Phytotherapie E V</i> , 2015 , 36, 157-163	0.1	2
5	Isolation and Characterization of Acetylcholinesterase Inhibitors From Piper longum and Binding Mode Predictions. <i>Planta Medica</i> , 2020 , 86, 1118-1124	3.1	2
4	Coupling of the engineered DNA "mutator" to a biosensor as a new paradigm for activation of silent biosynthetic gene clusters in Streptomyces. <i>Nucleic Acids Research</i> , 2021 , 49, 8396-8405	20.1	1
3	New flavonoids from the underground parts of Eriosema laurentii. <i>Phytochemistry Letters</i> , 2016 , 18, 144-149	1.49	0
2	Biosynthetic potential of the endophytic fungus Helotiales sp. BL73 revealed via compound identification and genome mining.. <i>Applied and Environmental Microbiology</i> , 2022 , aem0251021	4.8	0
1	Synthesis and dopamine receptor binding of dihydrexidine and SKF 38393 catecholamine-based analogues. <i>Amino Acids</i> , 2021 , 1	3.5	