Hiroyuki Konno

List of Publications by Year in Descending Order

103 papers	935 citations	17 h-index	24 g-index
111 ext. papers	1,181 ext. citations	2.9 avg, IF	4.72 L-index

#	Paper	IF	Citations
103	Activities of curcumin-related compounds in two cell lines persistently infected with different prion strains.. *Biochimica Et Biophysica Acta - General Subjects*, **2022**, 130094	4	0
102	Aldol Addition-Cyclization Reaction Cascade on a Platform of Chiral Ni(II) Complex of Glycine Schiff Base. *Ukrainica Bioorganica Acta*, **2021**, 16, 3-9	0.3	
101	Synthesis of xylose-binding cyclic octalipopeptides burkholdine-1213 analogues. *Tetrahedron Letters*, **2021**, 87, 153542	2	0
100	Tailor-Made Amino Acids in Pharmaceutical Industry: Synthetic Approaches to Aza-Tryptophan Derivatives.. *Chemistry - A European Journal*, **2021**, 27, 17510-17528	4.8	1
99	New pharmaceuticals approved by FDA in 2020: Small-molecule drugs derived from amino acids and related compounds. *Chirality*, **2021**, 34, 86	2.1	3
98	Design, synthesis, and evaluation of the self-assembled antimicrobial peptides based on the ovalbumin-derived peptide TK913. *Journal of Peptide Science*, **2021**, e3375	2.1	0
97	JNK signaling as a target for anticancer therapy. *Pharmacological Reports*, **2021**, 73, 405-434	3.9	4
96	Maltotriose-Chlorin e6 Conjugate Linked Tetraethyleneglycol as an Advanced Photosensitizer for Photodynamic Therapy. Synthesis and Antitumor Activities against Canine and Mouse Mammary Carcinoma Cells. *ACS Omega*, **2021**, 6, 7023-7033	3.9	3
95	The total synthesis of berberine and selected analogues, and their evaluation as amyloid beta aggregation inhibitors. *European Journal of Medicinal Chemistry*, **2021**, 215, 113289	6.8	2
94	Asymmetric Synthesis of □Difluorinated □Amino Sulfones through Detrifluoroacetylative Mannich Reactions. *European Journal of Organic Chemistry*, **2021**, 2021, 3035-3038	3.2	1
93	Asymmetric Synthesis of N-Fmoc-(S)-7-aza-tryptophan via Alkylation of Chiral Nucleophilic Glycine Equivalent. *European Journal of Organic Chemistry*, **2021**, 2021, 2962-2965	3.2	4
92	Cloning, expression, and characterization of a GH 19-type chitinase with antifungal activity from Lysobacter sp. MK9-1. *Journal of Bioscience and Bioengineering*, **2021**, 131, 348-355	3.3	2
91	Design and synthesis of pyrimidine-5-carbonitrile hybrids as COX-2 inhibitors: Anti-inflammatory activity, ulcerogenic liability, histopathological and docking studies. *Bioorganic Chemistry*, **2021**, 108, 104555	5.1	11
90	Production of Chitosanase by Lentzea sp. OUR-I1 Using Acid-Pretreated Shrimp Shell in an Air-Lift Bioreactor and the Feasibility of Utilizing the Residual Biomass. *Waste and Biomass Valorization*, **2021**, 12, 2445-2458	3.2	1
89	Preparation of Pyridine Derivatives from the Corresponding 5-Acetal-1-carbonyl Compounds by Acid Promoted Cyclization. *Heterocycles*, **2021**, 102, 1314	0.8	
88	Study on antibacterial activity and self-assembly of ovalbumin-derived peptides. *E3S Web of Conferences*, **2021**, 245, 03056	0.5	
87	Asymmetric synthesis of the two enantiomers of □phosphorus-containing □amino acids via hydrophosphinylation and hydrophosphonylation of chiral Ni(II)-complexes. *Organic Chemistry Frontiers*, **2021**, 8, 2190-2195	5.2	7

86	Comparative study of different chiral ligands for dynamic kinetic resolution of amino acids. *Chirality* , **2021**, 33, 685-702	2.1	
85	Tailor-made amino acids in the design of small-molecule blockbuster drugs. *European Journal of Medicinal Chemistry*, **2021**, 220, 113448	6.8	10
84	Aerobic oxidation of aldehydes to acids with N-hydroxyphthalimide derivatives. *Tetrahedron Letters* , **2021**, 81, 153320	2	1
83	Nitric oxide protects against ferroptosis by aborting the lipid peroxidation chain reaction. *Nitric Oxide - Biology and Chemistry*, **2021**, 115, 34-43	5	7
82	Carnosine dipeptidase II (CNDP2) protects cells under cysteine insufficiency by hydrolyzing glutathione-related peptides. *Free Radical Biology and Medicine*, **2021**, 174, 12-27	7.8	2
81	Molecular hybrids: A five-year survey on structures of multiple targeted hybrids of protein kinase inhibitors for cancer therapy. *European Journal of Medicinal Chemistry*, **2021**, 225, 113768	6.8	8
80	Preparation of SARS-CoV 3CL Protease and Synthesis of its Inhibitors. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2021**, 79, 2-10	0.2	
79	Asymmetric synthesis of (S)-3-methyleneglutamic acid and its N-Fmoc derivative via Michael addition-elimination reaction of chiral glycine Ni (II) complex with enol tosylates. *Chirality*, **2021**, 33, 115-123	2.1	5
78	Kitamura Electrophilic Fluorination Using HF as a Source of Fluorine. *Molecules*, **2020**, 25,	4.8	7
77	Synthesis of Ahod Moiety of Ralstonin A Using Amino Acid Schiff Base Ni(II)-Complex Chemistry. *Helvetica Chimica Acta*, **2020**, 103, e2000077	2	10
76	Residue-Specific Binding Mechanisms of Thioflavin T to a Surface of Flat Sheets within a Peptide Self-Assembly Mimic. *Biochemistry*, **2020**, 59, 2782-2787	3.2	4
75	Asymmetric Synthesis of Tailor-Made Amino Acids Using Chiral Ni(II) Complexes of Schiff Bases. An Update of the Recent Literature. *Molecules*, **2020**, 25,	4.8	28
74	Anti-Alzheimer's flavanolignans from Ceiba pentandra aerial parts. *Fitoterapia* **2020**, 143, 104541	3.2	5
73	Glutamylcysteine synthetase and glutamyl transferase as differential enzymatic sources of glutamylpeptides in mice. *Amino Acids*, **2020**, 52, 555-566	3.5	3
72	Stain Protocol for the Detection of N-Terminal Amino Groups during Solid-Phase Peptide Synthesis. *Organic Letters*, **2020**, 22, 3309-3312	6.2	6
71	Michael addition reactions of chiral glycine Schiff base Ni (II)-complex with 1-(1-phenylsulfonyl)benzene. *Chirality*, **2020**, 32, 885-893	2.1	7
70	Large-Scale Synthesis of the Glycine Schiff Base Ni(II) Complex Derived from (S)- and (R)-N-(2-Benzoyl-4-chlorophenyl)-1-[(3,4-dichlorophenyl)methyl]-2-pyrrolidinecarboxamide. *Organic Process Research and Development*, **2020**, 24, 294-300	3.9	15
69	Asymmetric Synthesis of 4,4-(Difluoro)glutamic Acid via Chiral Ni(II)-Complexes of Dehydroalanine Schiff Bases. Effect of the Chiral Ligands Structure on the Stereochemical Outcome. *ChemistryOpen* , **2020**, 9, 93-96	2.3	14

68	Cyclic Depsipeptides, Callipeltins. *Topics in Heterocyclic Chemistry*, **2020**, 297-316	0.2	
67	Design, synthesis and evaluation of diaryl dihydropyrone derivatives as cyclocurcumin mimetics and inhibitors of the aggregation of amyloid *Bioorganic Chemistry*, **2020**, 104, 104302	5.1	2
66	Asymmetric synthesis of (S)-(octyl)glycine via alkylation of Ni(II) complex of chiral glycine Schiff base. *Chirality*, **2020**, 32, 1354-1360	2.1	5
65	Antimicrobial activity and secondary structure of a novel peptide derived from ovalbumin. *Journal of Peptide Science*, **2020**, 26, e3276	2.1	6
64	Detection of Thiol Functionality and Disulfide Bond Formation by Polyoxometalate. *ACS Combinatorial Science*, **2020**, 22, 745-749	3.9	3
63	Asymmetric Mannich reactions of ()---butylsulfinyl-3,3,3-trifluoroacetaldimines with yne nucleophiles. *Beilstein Journal of Organic Chemistry*, **2020**, 16, 2671-2678	2.5	2
62	Design and Evaluation of Anti-SARS-Coronavirus Agents Based on Molecular Interactions with the Viral Protease. *Molecules*, **2020**, 25,	4.8	11
61	Tailor-made amino acid-derived pharmaceuticals approved by the FDA in 2019. *Amino Acids*, **2020**, 52, 1227-1261	3.5	16
60	Convenient synthesis of racemic 4,4-difluoro glutamic acid derivatives via Michael-type additions of Ni(II)-complex of dehydroalanine Schiff bases. *Journal of Fluorine Chemistry*, **2019**, 227, 109376	2.1	6
59	Design, synthesis, and evaluation of a water soluble C5-monoketone type curcumin analogue as a potent amyloid aggregation inhibitor. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 2157-2161	2.9	14
58	Quantitative analysis of glutamylpeptides by liquid chromatography-mass spectrometry and application for glutamyltransferase assays. *Analytical Biochemistry*, **2019**, 578, 13-22	3.1	6
57	Systematic Analysis of Selective Bactericidal Activity of Fatty Acids against Staphylococcus aureus with Minimum Inhibitory Concentration and Minimum Bactericidal Concentration. *Journal of Oleo Science*, **2019**, 68, 291-296	1.6	11
56	Synthesis of a burkholdine analogue containing hydroxytyrosine. *Bioscience, Biotechnology and Biochemistry*, **2019**, 83, 1216-1219	2.1	3
55	Improved synthesis of 2,4,6-trialkylpyridines from 1,5-diketoalkanes: the total synthesis of Anibamine. *Organic and Biomolecular Chemistry*, **2019**, 17, 2896-2905	3.9	8
54	Construction of Cellulose Binding Domain Fusion FMN-Dependent NADH-Azoreductase and Glucose 1-Dehydrogenase for the Development of Flow Injection Analysis with Fusion Enzymes Immobilized on Cellulose. *Journal of Applied Glycoscience (1999)*, **2019**, 66, 65-72	1	
53	Convergent Synthesis of trans-2,6-Disubstituted Piperidine Alkaloid, (-)-iso-6-Spectaline by Palladium-Catalyzed Cyclization. *Chemical and Pharmaceutical Bulletin*, **2019**, 67, 253-257	1.9	2
52	Antibacterial Activity of 1,2-Alkanediol against Staphylococcus aureus and Staphylococcus epidermidis. *Journal of Oleo Science*, **2019**, 68, 759-763	1.6	4
51	LC-ESI-MS/MS quantification of carnosine, anserine, and balenine in meat samples. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2019**, 1132, 121826	3.2	10

50	Development of Hamari Ligands for Practical Asymmetric Synthesis of Tailor-Made Amino Acids. *ACS Omega*, **2019**, 4, 18942-18947	3.9	24
49	Thiamin transport in Helicobacter pylori lacking the de novo synthesis of thiamin. *Microbiology (United Kingdom)*, **2019**, 165, 224-232	2.9	1
48	Preparative Method for Asymmetric Synthesis of ()-2-Amino-4,4,4-trifluorobutanoic Acid. *Molecules*, **2019**, 24,	4.8	8
47	Asymmetric synthesis of (2S,3S)-3-Me-glutamine and (R)-allo-threonine derivatives proper for solid-phase peptide coupling. *Amino Acids*, **2019**, 51, 419-432	3.5	7
46	Design, synthesis and evaluation of curcumin-based fluorescent probes to detect A fibrils. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3520-3525	2.9	11
45	Investigation for the cyclization efficiency of linear tetrapeptides: Synthesis of tentoxin B and dihydrotentoxin. *Tetrahedron*, **2018**, 74, 6173-6181	2.4	5
44	Deletion of uncharacterized domain from 1,3-glucanase of Bacillus circulans KA-304 enhances heterologous enzyme production in Escherichia coli. *Journal of General and Applied Microbiology*, **2018**, 64, 212-220	1.5	4
43	Synthesis and evaluation of phenylisoserine derivatives for the SARS-CoV 3CL protease inhibitor. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2746-2751	2.9	20
42	Fmoc-OPhth, the reagent of Fmoc protection. *Tetrahedron Letters*, **2017**, 58, 1600-1603	2	4
41	Synthesis of fully protected (2R,3R,4S)-4-amino-7-guanidino-2,3-dihydroxy heptanoic acid. *Tetrahedron Letters*, **2017**, 58, 1604-1606	2	3
40	Synthesis of a secretoglobin 3A2 type C (98139) fragment by Dawson native chemical ligation. *Tetrahedron Letters*, **2017**, 58, 4145-4148	2	4
39	Ralstonins A and B, Lipopeptides with Chlamydospore-Inducing and Phytotoxic Activities from the Plant Pathogen Ralstonia solanacearum. *Organic Letters*, **2017**, 19, 4175-4178	6.2	22
38	Preparation of (2R, 3R, 4R)-3-hydroxy-2,4,6-trimethylheptanoic acid via enzymatic desymmertization. *Tetrahedron*, **2017**, 73, 39-45	2.4	9
37	Design and synthesis of a series of serine derivatives as small molecule inhibitors of the SARS coronavirus 3CL protease. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 1241-54	3.4	15
36	Cytotoxic evaluation of natural and synthetic callipeltins: a revision of cytotoxicity of callipeltin B. *Bioscience, Biotechnology and Biochemistry*, **2016**, 80, 1066-9	2.1	9
35	Synthesis of Hydroxytyrosine, A Component of Burkholdines. *Natural Product Communications*, **2016**, 11, 1934578X1601100	0.9	0
34	Synthesis of Hydroxytyrosine, A Component of Burkholdines. *Natural Product Communications*, **2016**, 11, 213-8	0.9	4
33	Structure activity relationship study of burkholdine analogues toward simple antifungal agents. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 3199-202	2.9	9

32	Synthetic study of peptide aldehyde via acetal/thioacetal transformation: application for Lys/Ser-containing peptides. *Tetrahedron*, **2015**, 71, 3433-3438	2.4	5
31	Synthetic studies on homophymine B: solid phase synthesis of a cyclic fragment. *Tetrahedron Letters*, **2015**, 56, 2809-2812	2	5
30	Synthesis of Orthogonally Protected (2R,3R,4S)-4-Amino-2,3-dihydroxyheptane-1,7-dioic Acid. *Synthesis*, **2015**, 47, 351-358	2.9	5
29	Synthesis and evaluation of aminopyridine derivatives as potential BACE1 inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 5127-32	2.9	6
28	Total synthesis of callipeltin B and M, peptidyl marine natural products. *Organic Letters*, **2014**, 16, 4324-7	6.2	19
27	Effect of prime-site sequence of retro-inverso-modified HTLV-1 protease inhibitor. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 2482-8	3.4	3
26	Synthesis and evaluation of curcumin derivatives toward an inhibitor of beta-site amyloid precursor protein cleaving enzyme 1. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 685-90	2.9	24
25	Stereochemical Assignment of Four Diastereoisomers of 3,4-Dimethylpyroglutamic Acid, a Moiety of Callipeltin B. *Heterocycles*, **2014**, 89, 1620	0.8	5
24	Structure activity relationship study of curcumin analogues toward the amyloid-beta aggregation inhibitor. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 5621-5626	2.9	37
23	Enzymatic and structural characterization of an archaeal thiamin phosphate synthase. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2014**, 1844, 803-9	4	8
22	Improved synthesis of d-allothreonine derivatives from l-threonine. *Tetrahedron*, **2013**, 69, 7098-7101	2.4	7
21	Practical synthesis of peptide C-terminal aldehyde on a solid support. *Tetrahedron Letters*, **2013**, 54, 4848-4850	2	7
20	Synthesis and antifungal activities of cyclic octa-lipopeptide burkholdine analogues. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 4244-7	2.9	8
19	Synthesis of bioactive natural products as protein inhibitors. *Bioscience, Biotechnology and Biochemistry*, **2012**, 76, 1257-61	2.1	3
18	Synthesis of tokaramide A, a cysteine protease inhibitor from marine sponge Theonella aff. mirabilis. *Tetrahedron*, **2011**, 67, 9067-9071	2.4	8
17	Synthesis and cytotoxicity of the depsipeptides analogues of callipeltin B. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 4865-8	2.9	10
16	Structure-based design, synthesis, and evaluation of peptide-mimetic SARS 3CL protease inhibitors. *Journal of Medicinal Chemistry*, **2011**, 54, 7962-73	8.3	71
15	Solid phase total synthesis of callipeltin E isolated from marine sponge Latrunculia sp.. *Tetrahedron Letters*, **2011**, 52, 3872-3875	2	23

14	Synthesis of Annonaceous Acetogenins and Their Inhibitory Action with Mitochondrial Complex I. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2011**, 69, 159-168	0.2	4
13	Synthetic Studies on Callipeltins: Stereoselective Syntheses of (3S,4R)-3,4-Dimethyl-L-pyroglutamic Acid and Fmoc-D-allothreonine from Serine Derivatives. *Heterocycles*, **2010**, 81, 79	0.8	9
12	Synthesis of solamin type mono-THF acetogenins using cross-metathesis. *Tetrahedron*, **2010**, 66, 7946-7953	2.4	14
11	Current topics of organic and biological chemistry of annonaceous acetogenins and their synthetic mimics. *Current Drug Discovery Technologies*, **2008**, 5, 213-29	1.5	18
10	Evaluation of peptide-aldehyde inhibitors using R188I mutant of SARS 3CL protease as a proteolysis-resistant mutant. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 9400-8	3.4	30
9	Total synthesis of cis-solamin A, a mono-tetrahydrofuran acetogenin isolated from Annona muricata. *Tetrahedron Letters*, **2008**, 49, 782-785	2	23
8	Total synthesis of miraziridine A and identification of its major reaction site for cathepsin B. *Tetrahedron*, **2007**, 63, 9502-9513	2.4	29
7	Stereoselective Synthesis of β-Methoxytyrosine Derivatives for Identification of the Absolute Configuration of Callipeltin E. *Synthesis*, **2007**, 2007, 3666-3672	2.9	17
6	Total synthesis of cis-solamin and its inhibitory action with bovine heart mitochondrial complex I. *Tetrahedron*, **2004**, 60, 10651-10657	2.4	32
5	Synthesis and mitochondrial complex I inhibition of dihydroxy-cohibin A, non-THF annonaceous acetogenin analogue. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 629-32	2.9	20
4	An Epoxide Ring-Opening Reaction via Hypervalent Silicate Intermediate: Synthesis of Statine. *Synthesis*, **2003**, 2003, 2161-2164	2.9	25
3	Structural revision of epoxyrollins A and B, biosynthetic precursors of annonaceous acetogenins. *Bioscience, Biotechnology and Biochemistry*, **2003**, 67, 1438-41	2.1	4
2	Syntheses of two possible diastereoisomers of the epoxy lactone proposed for an annonaceous acetogenin, epoxyrollin A. *Tetrahedron*, **1996**, 52, 9399-9408	2.4	11
1	Synthesis of Two Possible Diastereoisomers of the Epoxy Lactone Proposed for Epoxyrollin A. *Bioscience, Biotechnology and Biochemistry*, **1995**, 59, 2355-2357	2.1	5