

Hiroyuki Konno

List of Publications by Citations

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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.

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	Structure-based design, synthesis, and evaluation of peptide-mimetic SARS 3CL protease inhibitors. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 7962-73	8.3	71
102	Structure activity relationship study of curcumin analogues toward the amyloid-beta aggregation inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 5621-5626	2.9	37
101	Total synthesis of cis-solamin and its inhibitory action with bovine heart mitochondrial complex I. <i>Tetrahedron</i> , 2004 , 60, 10651-10657	2.4	32
100	Evaluation of peptide-aldehyde inhibitors using R188I mutant of SARS 3CL protease as a proteolysis-resistant mutant. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 9400-8	3.4	30
99	Total synthesis of miraziridine A and identification of its major reaction site for cathepsin B. <i>Tetrahedron</i> , 2007 , 63, 9502-9513	2.4	29
98	Asymmetric Synthesis of Tailor-Made Amino Acids Using Chiral Ni(II) Complexes of Schiff Bases. An Update of the Recent Literature. <i>Molecules</i> , 2020 , 25,	4.8	28
97	An Epoxide Ring-Opening Reaction via Hypervalent Silicate Intermediate: Synthesis of Statine. <i>Synthesis</i> , 2003 , 2003, 2161-2164	2.9	25
96	Development of Hamari Ligands for Practical Asymmetric Synthesis of Tailor-Made Amino Acids. <i>ACS Omega</i> , 2019 , 4, 18942-18947	3.9	24
95	Synthesis and evaluation of curcumin derivatives toward an inhibitor of beta-site amyloid precursor protein cleaving enzyme 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 685-90	2.9	24
94	Solid phase total synthesis of callipeltin E isolated from marine sponge Latrunculia sp.. <i>Tetrahedron Letters</i> , 2011 , 52, 3872-3875	2	23
93	Total synthesis of cis-solamin A, a mono-tetrahydrofuran acetogenin isolated from Annona muricata. <i>Tetrahedron Letters</i> , 2008 , 49, 782-785	2	23
92	Ralstonins A and B, Lipopeptides with Chlamyospore-Inducing and Phytotoxic Activities from the Plant Pathogen Ralstonia solanacearum. <i>Organic Letters</i> , 2017 , 19, 4175-4178	6.2	22
91	Synthesis and evaluation of phenylisoserine derivatives for the SARS-CoV 3CL protease inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 2746-2751	2.9	20
90	Synthesis and mitochondrial complex I inhibition of dihydroxy-cohibin A, non-THF annonaceous acetogenin analogue. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 629-32	2.9	20
89	Total synthesis of callipeltin B and M, peptidyl marine natural products. <i>Organic Letters</i> , 2014 , 16, 4324-76.2	6.2	19
88	Current topics of organic and biological chemistry of annonaceous acetogenins and their synthetic mimics. <i>Current Drug Discovery Technologies</i> , 2008 , 5, 213-29	1.5	18
87	Stereoselective Synthesis of β -Methoxytyrosine Derivatives for Identification of the Absolute Configuration of Callipeltin E. <i>Synthesis</i> , 2007 , 2007, 3666-3672	2.9	17

86	Tailor-made amino acid-derived pharmaceuticals approved by the FDA in 2019. <i>Amino Acids</i> , 2020 , 52, 1227-1261	3.5	16
85	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. <i>Organic Process Research and Development</i> , 2020 , 24, 294-300	3.9	15
84	Design and synthesis of a series of serine derivatives as small molecule inhibitors of the SARS coronavirus 3CL protease. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 1241-54	3.4	15
83	Design, synthesis, and evaluation of a water soluble C5-monoketone type curcumin analogue as a potent amyloid aggregation inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 2157-2161	2.9	14
82	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. <i>ChemistryOpen</i> , 2020 , 9, 93-96	2.3	14
81	Synthesis of solamin type mono-THF acetogenins using cross-metathesis. <i>Tetrahedron</i> , 2010 , 66, 7946-7953	2.5	14
80	Systematic Analysis of Selective Bactericidal Activity of Fatty Acids against Staphylococcus aureus with Minimum Inhibitory Concentration and Minimum Bactericidal Concentration. <i>Journal of Oleo Science</i> , 2019 , 68, 291-296	1.6	11
79	Syntheses of two possible diastereoisomers of the epoxy lactone proposed for an annonaceous acetogenin, epoxyrollin A. <i>Tetrahedron</i> , 1996 , 52, 9399-9408	2.4	11
78	Design and Evaluation of Anti-SARS-Coronavirus Agents Based on Molecular Interactions with the Viral Protease. <i>Molecules</i> , 2020 , 25,	4.8	11
77	Design and synthesis of pyrimidine-5-carbonitrile hybrids as COX-2 inhibitors: Anti-inflammatory activity, ulcerogenic liability, histopathological and docking studies. <i>Bioorganic Chemistry</i> , 2021 , 108, 104555	5.1	11
76	Design, synthesis and evaluation of curcumin-based fluorescent probes to detect Aβ fibrils. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 3520-3525	2.9	11
75	Synthesis of Ahod Moiety of Ralstonin A Using Amino Acid Schiff Base Ni(II)-Complex Chemistry. <i>Helvetica Chimica Acta</i> , 2020 , 103, e2000077	2	10
74	LC-ESI-MS/MS quantification of carnosine, anserine, and balenine in meat samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1132, 121826	3.2	10
73	Synthesis and cytotoxicity of the depsipeptides analogues of callipeltin B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 4865-8	2.9	10
72	Tailor-made amino acids in the design of small-molecule blockbuster drugs. <i>European Journal of Medicinal Chemistry</i> , 2021 , 220, 113448	6.8	10
71	Structure activity relationship study of burkholdine analogues toward simple antifungal agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 3199-202	2.9	9
70	Cytotoxic evaluation of natural and synthetic callipeltins: a revision of cytotoxicity of callipeltin B. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 1066-9	2.1	9
69	Preparation of (2R, 3R, 4R)-3-hydroxy-2,4,6-trimethylheptanoic acid via enzymatic desymmetrization. <i>Tetrahedron</i> , 2017 , 73, 39-45	2.4	9

68	Synthetic Studies on Callipeltins: Stereoselective Syntheses of (3S,4R)-3,4-Dimethyl-L-pyroglutamic Acid and Fmoc-D-allothreonine from Serine Derivatives. <i>Heterocycles</i> , 2010 , 81, 79	0.8	9
67	Improved synthesis of 2,4,6-trialkylpyridines from 1,5-diketoalkanes: the total synthesis of Anibamine. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2896-2905	3.9	8
66	Synthesis and antifungal activities of cyclic octa-lipo peptide burkholdine analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 4244-7	2.9	8
65	Enzymatic and structural characterization of an archaeal thiamin phosphate synthase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 803-9	4	8
64	Synthesis of tokaramide A, a cysteine protease inhibitor from marine sponge Theonella aff. mirabilis. <i>Tetrahedron</i> , 2011 , 67, 9067-9071	2.4	8
63	Preparative Method for Asymmetric Synthesis of (-)-2-Amino-4,4,4-trifluorobutanoic Acid. <i>Molecules</i> , 2019 , 24,	4.8	8
62	Molecular hybrids: A five-year survey on structures of multiple targeted hybrids of protein kinase inhibitors for cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2021 , 225, 113768	6.8	8
61	Kitamura Electrophilic Fluorination Using HF as a Source of Fluorine. <i>Molecules</i> , 2020 , 25,	4.8	7
60	Michael addition reactions of chiral glycine Schiff base Ni (II)-complex with 1-(1-phenylsulfonyl)benzene. <i>Chirality</i> , 2020 , 32, 885-893	2.1	7
59	Improved synthesis of d-allothreonine derivatives from l-threonine. <i>Tetrahedron</i> , 2013 , 69, 7098-7101	2.4	7
58	Practical synthesis of peptide C-terminal aldehyde on a solid support. <i>Tetrahedron Letters</i> , 2013 , 54, 4848-4850		7
57	Asymmetric synthesis of (2S,3S)-3-Me-glutamine and (R)-allo-threonine derivatives proper for solid-phase peptide coupling. <i>Amino Acids</i> , 2019 , 51, 419-432	3.5	7
56	Asymmetric synthesis of the two enantiomers of α -phosphorus-containing α -amino acids via hydrophosphinylation and hydrophosphonylation of chiral Ni(II)-complexes. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 2190-2195	5.2	7
55	Nitric oxide protects against ferroptosis by aborting the lipid peroxidation chain reaction. <i>Nitric Oxide - Biology and Chemistry</i> , 2021 , 115, 34-43	5	7
54	Convenient synthesis of racemic 4,4-difluoro glutamic acid derivatives via Michael-type additions of Ni(II)-complex of dehydroalanine Schiff bases. <i>Journal of Fluorine Chemistry</i> , 2019 , 227, 109376	2.1	6
53	Quantitative analysis of α -glutamylpeptides by liquid chromatography-mass spectrometry and application for α -glutamyltransferase assays. <i>Analytical Biochemistry</i> , 2019 , 578, 13-22	3.1	6
52	Stain Protocol for the Detection of N-Terminal Amino Groups during Solid-Phase Peptide Synthesis. <i>Organic Letters</i> , 2020 , 22, 3309-3312	6.2	6
51	Synthesis and evaluation of aminopyridine derivatives as potential BACE1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 5127-32	2.9	6

50	Antimicrobial activity and secondary structure of a novel peptide derived from ovalbumin. <i>Journal of Peptide Science</i> , 2020 , 26, e3276	2.1	6
49	Synthetic study of peptide aldehyde via acetal/thioacetal transformation: application for Lys/Ser-containing peptides. <i>Tetrahedron</i> , 2015 , 71, 3433-3438	2.4	5
48	Synthetic studies on homophymine B: solid phase synthesis of a cyclic fragment. <i>Tetrahedron Letters</i> , 2015 , 56, 2809-2812	2	5
47	Synthesis of Orthogonally Protected (2R,3R,4S)-4-Amino-2,3-dihydroxyheptane-1,7-dioic Acid. <i>Synthesis</i> , 2015 , 47, 351-358	2.9	5
46	Anti-Alzheimer's flavanolignans from Ceiba pentandra aerial parts. <i>Phytotherapy Research</i> , 2020 , 143, 104541	3.2	5
45	Stereochemical Assignment of Four Diastereoisomers of 3,4-Dimethylpyroglutamic Acid, a Moiety of Callipeltin B. <i>Heterocycles</i> , 2014 , 89, 1620	0.8	5
44	Synthesis of Two Possible Diastereoisomers of the Epoxy Lactone Proposed for Epoxyrollin A. <i>Bioscience, Biotechnology and Biochemistry</i> , 1995 , 59, 2355-2357	2.1	5
43	Asymmetric synthesis of (S)-[α -(octyl)glycine via alkylation of Ni(II) complex of chiral glycine Schiff base. <i>Chirality</i> , 2020 , 32, 1354-1360	2.1	5
42	Investigation for the cyclization efficiency of linear tetrapeptides: Synthesis of tentoxin B and dihydrotentoxin. <i>Tetrahedron</i> , 2018 , 74, 6173-6181	2.4	5
41	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. <i>Chirality</i> , 2021 , 33, 115-123	2.1	5
40	Fmoc-OPht, the reagent of Fmoc protection. <i>Tetrahedron Letters</i> , 2017 , 58, 1600-1603	2	4
39	Synthesis of a secretoglobin 3A2 type C (98-139) fragment by Dawson's native chemical ligation. <i>Tetrahedron Letters</i> , 2017 , 58, 4145-4148	2	4
38	Residue-Specific Binding Mechanisms of Thioflavin T to a Surface of Flat β -Sheets within a Peptide Self-Assembly Mimic. <i>Biochemistry</i> , 2020 , 59, 2782-2787	3.2	4
37	Antibacterial Activity of 1,2-Alkanediol against Staphylococcus aureus and Staphylococcus epidermidis. <i>Journal of Oleo Science</i> , 2019 , 68, 759-763	1.6	4
36	Structural revision of epoxyrollins A and B, biosynthetic precursors of annonaceous acetogenins. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003 , 67, 1438-41	2.1	4
35	Synthesis of Annonaceous Acetogenins and Their Inhibitory Action with Mitochondrial Complex I. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2011 , 69, 159-168	0.2	4
34	JNK signaling as a target for anticancer therapy. <i>Pharmacological Reports</i> , 2021 , 73, 405-434	3.9	4
33	Asymmetric Synthesis of N-Fmoc-(S)-7-aza-tryptophan via Alkylation of Chiral Nucleophilic Glycine Equivalent. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 2962-2965	3.2	4

32	Deletion of uncharacterized domain from α 1,3-glucanase of <i>Bacillus circulans</i> KA-304 enhances heterologous enzyme production in <i>Escherichia coli</i> . <i>Journal of General and Applied Microbiology</i> , 2018 , 64, 212-220	1.5	4
31	Synthesis of β -Hydroxytyrosine, A Component of Burkholdines. <i>Natural Product Communications</i> , 2016 , 11, 213-8	0.9	4
30	Synthesis of fully protected (2R,3R,4S)-4-amino-7-guanidino-2,3-dihydroxy heptanoic acid. <i>Tetrahedron Letters</i> , 2017 , 58, 1604-1606	2	3
29	Synthesis of a burkholdine analogue containing β -hydroxytyrosine. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019 , 83, 1216-1219	2.1	3
28	β -Glutamylcysteine synthetase and β -glutamyl transferase as differential enzymatic sources of β -glutamylpeptides in mice. <i>Amino Acids</i> , 2020 , 52, 555-566	3.5	3
27	Effect of prime-site sequence of retro-inverso-modified HTLV-1 protease inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 2482-8	3.4	3
26	Synthesis of bioactive natural products as protein inhibitors. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 1257-61	2.1	3
25	New pharmaceuticals approved by FDA in 2020: Small-molecule drugs derived from amino acids and related compounds. <i>Chirality</i> , 2021 , 34, 86	2.1	3
24	Detection of Thiol Functionality and Disulfide Bond Formation by Polyoxometalate. <i>ACS Combinatorial Science</i> , 2020 , 22, 745-749	3.9	3
23	Maltotriose-Chlorin e6 Conjugate Linked Tetraethyleneglycol as an Advanced Photosensitizer for Photodynamic Therapy. Synthesis and Antitumor Activities against Canine and Mouse Mammary Carcinoma Cells. <i>ACS Omega</i> , 2021 , 6, 7023-7033	3.9	3
22	Convergent Synthesis of trans-2,6-Disubstituted Piperidine Alkaloid, (-)-iso-6-Spectaline by Palladium-Catalyzed Cyclization. <i>Chemical and Pharmaceutical Bulletin</i> , 2019 , 67, 253-257	1.9	2
21	Design, synthesis and evaluation of diaryl β -dihydropyrone derivatives as cyclocurcumin mimetics and inhibitors of the aggregation of amyloid β . <i>Bioorganic Chemistry</i> , 2020 , 104, 104302	5.1	2
20	Asymmetric Mannich reactions of (α)-butylsulfinyl-3,3,3-trifluoroacetaldimines with yne nucleophiles. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 2671-2678	2.5	2
19	The total synthesis of berberine and selected analogues, and their evaluation as amyloid beta aggregation inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021 , 215, 113289	6.8	2
18	Cloning, expression, and characterization of a GH 19-type chitinase with antifungal activity from <i>Lysobacter</i> sp. MK9-1. <i>Journal of Bioscience and Bioengineering</i> , 2021 , 131, 348-355	3.3	2
17	Carnosine dipeptidase II (CNDP2) protects cells under cysteine insufficiency by hydrolyzing glutathione-related peptides. <i>Free Radical Biology and Medicine</i> , 2021 , 174, 12-27	7.8	2
16	Tailor-Made Amino Acids in Pharmaceutical Industry: Synthetic Approaches to Aza-Tryptophan Derivatives.. <i>Chemistry - A European Journal</i> , 2021 , 27, 17510-17528	4.8	1
15	Thiamin transport in <i>Helicobacter pylori</i> lacking the de novo synthesis of thiamin. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 224-232	2.9	1

14	Asymmetric Synthesis of α -Difluorinated α -Amino Sulfones through Detrifluoroacetylative Mannich Reactions. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 3035-3038	3.2	1
13	Production of Chitosanase by <i>Lentzea</i> sp. OUR-I1 Using Acid-Pretreated Shrimp Shell in an Air-Lift Bioreactor and the Feasibility of Utilizing the Residual Biomass. <i>Waste and Biomass Valorization</i> , 2021 , 12, 2445-2458	3.2	1
12	Aerobic oxidation of aldehydes to acids with N-hydroxyphthalimide derivatives. <i>Tetrahedron Letters</i> , 2021 , 81, 153320	2	1
11	Activities of curcumin-related compounds in two cell lines persistently infected with different prion strains.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022 , 130094	4	0
10	Synthesis of xylose-binding cyclic octalipeptides burkholdine-1213 analogues. <i>Tetrahedron Letters</i> , 2021 , 87, 153542	2	0
9	Design, synthesis, and evaluation of the self-assembled antimicrobial peptides based on the ovalbumin-derived peptide TK913. <i>Journal of Peptide Science</i> , 2021 , e3375	2.1	0
8	Synthesis of α -Hydroxytyrosine, A Component of Burkholdines. <i>Natural Product Communications</i> , 2016 , 11, 1934578X1601100	0.9	0
7	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. <i>Journal of Applied Glycoscience (1999)</i> , 2019 , 66, 65-72	1	
6	Cyclic Depsipeptides, Callipeltins. <i>Topics in Heterocyclic Chemistry</i> , 2020 , 297-316	0.2	
5	Aldol Addition-Cyclization Reaction Cascade on a Platform of Chiral Ni(II) Complex of Glycine Schiff Base. <i>Ukrainica Bioorganica Acta</i> , 2021 , 16, 3-9	0.3	
4	Preparation of Pyridine Derivatives from the Corresponding 5-Acetal-1-carbonyl Compounds by Acid Promoted Cyclization. <i>Heterocycles</i> , 2021 , 102, 1314	0.8	
3	Study on antibacterial activity and self-assembly of ovalbumin-derived peptides. <i>E3S Web of Conferences</i> , 2021 , 245, 03056	0.5	
2	Comparative study of different chiral ligands for dynamic kinetic resolution of amino acids. <i>Chirality</i> , 2021 , 33, 685-702	2.1	
1	Preparation of SARS-CoV 3CL Protease and Synthesis of its Inhibitors. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2021 , 79, 2-10	0.2	