

Satoshi Yamauchi

List of Publications by Year in Descending Order

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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.

82
papers

851
citations

16
h-index

23
g-index

89
ext. papers

945
ext. citations

3
avg, IF

3.6
L-index

#	Paper	IF	Citations
82	Syntheses of Natural Compounds from Yeast-reduction Products of Cyclic β -Keto Ester and Application to Agrichemicals. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2021 , 79, 34-42	0.2	
81	Stereocontrolled syntheses of (-)- and (+)-Epiisoeugenol along with optically active eight stereoisomers of 7,8-Epoxy-8,7-Sneolignan. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2168-2176	3.9	
80	Syntheses of all eight stereoisomers of conidendrin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020 , 84, 1986-1996	2.1	2
79	Discovery of stereospecific cytotoxicity of (8R,8R)-trans-arctigenin against insect cells and structure-activity relationship on aromatic ring. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127191	2.9	2
78	Design of 92 New 9-Norlignan Derivatives and Their Effect on Cell Viabilities of Cancer and Insect Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 7880-7885	5.7	4
77	Syntheses and Phytotoxicity of All Stereoisomers of 6-(2-Hydroxy-6-phenylhex-1-yl)-5,6-dihydro-2-pyran-2-one and Determination of the Effect of the β -Unsaturated Carbonyl Structure and Hydroxy Group Bonding to Chiral Carbon. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 12558-12564	5.7	1
76	Effects of Substituents on the Aromatic Ring of Lignano-9,9-Lactone on Plant Growth Inhibitory Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 4551-4558	5.7	2
75	Structure-Antifungal Activity Relationship of Fluorinated Dihydroguaiaretic Acid Derivatives and Preventive Activity against <i>Alternaria alternata</i> Japanese Pear Pathotype. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6701-6707	5.7	4
74	Syntheses of cytotoxic novel arctigenin derivatives bearing halogen and alkyl groups on aromatic rings. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 4199-4203	2.9	2
73	Enantioselective syntheses of both enantiomers of 9-Dehydroimperanene and 7,8-dihydro-9-Dehydroimperanene and the comparison of biological activity between 9-norlignans and dihydroguaiaretic acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 3019-3023	2.9	3
72	Effects of an equol-producing bacterium isolated from human faeces on isoflavone and lignan metabolism in mice. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 3126-32	4.3	6
71	Effect of the structure of dietary epoxylygnan on its cytotoxic activity: relationship between the structure and the activity of 7,7-Epoxylygnan and the introduction of apoptosis by caspase 3/7. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 669-75	2.1	5
70	Syntheses of natural 1,3-polyol/ β -pyrone and its all stereoisomers to estimate antifungal activities against plant pathogenic fungi. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2189-92	2.9	4
69	Evaluation of plant growth regulatory activity of furofuran lignan bearing a 7,9S7S9-diepoxy structure using optically pure (+)- and (-)-enantiomers. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 5224-8	5.7	18
68	Docking model of the nicotinic acetylcholine receptor and nitromethylene neonicotinoid derivatives with a longer chiral substituent and their biological activities. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 759-69	3.4	3
67	Acute larvicidal activity against mosquitoes and oxygen consumption inhibitory activity of dihydroguaiaretic acid derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 2442-8	5.7	3
66	Stereoselective syntheses of cryptocarya diacetate and all its stereoisomers in optically pure forms. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 16-24	2.1	5

65	Structure-plant phytotoxic activity relationship of 7,7Sepoxylignanes, (+)- and (-)-verrucosin: simplification on the aromatic ring substituents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 4798-803	2.9	4
64	Synthesis of all stereoisomers of 3,3Dimethoxy-7,7Sepoxylignane-4,4Sdiol and their plant growth inhibitory activity. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 651-9	5.7	16
63	Cytotoxic activity of butane type of 1,7-seco-2,7Scyclolignanes and apoptosis induction by Caspase 9 and 3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 4231-5	2.9	9
62	Cytotoxic activity of dietary lignan and its derivatives: structure-cytotoxic activity relationship of dihydroguaiaretic acid. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 5305-15	5.7	10
61	Syntheses of all the stereoisomers of butanol type 1,7-seco-2,7Scyclolignane. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 19-28	2.1	4
60	Structure-cytotoxic activity relationship of sesquilignan, morinol A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 4923-30	2.9	8
59	Quantitative structure-activity relationship analysis of antifungal (+)-dihydroguaiaretic acid using 7-phenyl derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8548-55	5.7	7
58	Effect of polyphenols on oxymyoglobin oxidation: prooxidant activity of polyphenols in vitro and inhibition by amino acids. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 1097-104	5.7	16
57	Structure-plant growth inhibitory activity relationship of lariciresinol. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 12297-306	5.7	10
56	First discovery of insecticidal activity of 9,9Sepoxylignane and dihydroguaiaretic acid against houseflies and the structure-activity relationship. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4318-25	5.7	11
55	Effect of substituents at phenyl group of 7,7Sdioxo-9,9Sepoxylignane on antifungal activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 6740-4	2.9	4
54	(-)-Secoisolariciresinol attenuates high-fat diet-induced obesity in C57BL/6 mice. <i>Food and Function</i> , 2012 , 3, 76-82	6.1	14
53	Total syntheses of (-)- and (+)-boronolide and their plant growth-inhibitory activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 1708-14	2.1	8
52	Stereoselective syntheses of all stereoisomers of lariciresinol and their plant growth inhibitory activities. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 13089-95	5.7	27
51	Larvicidal activity of (-)-dihydroguaiaretic acid derivatives against <i>Culex pipiens</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1735-9	2.1	16
50	Disruption of ion homeostasis by verrucosin and a related compound. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1000-2	2.1	2
49	Syntheses of secocyclolignanes and comparative antioxidative activity between secocyclolignane and the dibenzyl type of lignan. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 939-43	2.1	3
48	Immunomodulatory effect of (-)-matairesinol in vivo and ex vivo. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 859-63	2.1	10

47	Antifungal activity of morinol B derivatives of tetrahydropyran sesquilignan. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 2071-6	2.1	6
46	IgE-suppressive activity of (-)-matairesinol and its structure-activity relationship. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 1878-83	2.1	12
45	Improved syntheses of morinol C and D by employing Mizoroki-Heck reaction and their cytotoxic and antimicrobial activities. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 1641-4	2.1	3
44	Antioxidation reaction mechanism studies of phenolic lignans, identification of antioxidation products of secoisolariciresinol from lipid oxidation. <i>Food Chemistry</i> , 2010 , 123, 442-450	8.5	34
43	Inhibition of the discoloration of yellowtail dark muscle by lignan. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 1718-21	2.1	2
42	Syntheses and antimicrobial activity of tetrasubstituted tetrahydrofuran lignan stereoisomers. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 1608-17	2.1	9
41	First diastereoselective construction of butane-type and butyrolactone-type secocyclo lignane structures. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 2445-51	2.1	1
40	Antimicrobial activity of stereoisomers of butane-type lignans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 1806-10	2.1	24
39	The Effect of Secoisolariciresinol on 3T3-L1 Adipocytes and the Relationship between Molecular Structure and Activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 35-9	2.1	16
38	Antimicrobial activity of stereoisomers of morinols a and B, tetrahydropyran sesquieolignans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 129-33	2.1	12
37	Syntheses of all stereoisomers of goniodiol from yeast-reduction products and their antimicrobiological activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 2342-52	2.1	13
36	Stereoselective construction of tetra-substituted tetrahydrofuran compounds from benzylic hemiacetal in the presence of H ₂ and a Pd catalyst: stereoselective synthesis of a stereoisomer of (-)-virgatusin and its antimicrobiological activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 107-113	2.1	4
35	Antioxidant activity of butane type lignans, secoisolariciresinol, dihydroguaiaretic acid, and 7,7Soxodihydroguaiaretic acid. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 2981-6	2.1	25
34	Structure-antibacterial activity relationship for 9-O,9SO-demethyl (+)-virgatusin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 1032-7	2.1	7
33	Antibacterial activity of a virgatusin-related compound. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007 , 71, 677-80	2.1	22
32	Antimicrobiological activity of lignan: effect of benzylic oxygen and stereochemistry of 2,3-dibenzyl-4-butanolide and 3,4-dibenzyltetrahydrofuran lignans on activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007 , 71, 1745-51	2.1	23
31	Use of the benzyl mesylate for the synthesis of tetrahydrofuran lignan: syntheses of 7,8-trans, 7,8Strans, 7,7Scis, and 8,8Scis-virgatusin stereoisomers. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007 , 71, 2248-55	2.1	5
30	Antifungal activity of tetra-substituted tetrahydrofuran lignan, (-)-virgatusin, and its structure-activity relationship. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007 , 71, 1028-35	2.1	36

29	Synthesis of amino tetrahydrofuran lignan via an N,O-heterocyclic compound as an intermediate. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007 , 71, 741-5	2.1	1
28	First stereoselective synthesis of meso-secoisolariciresinol and comparison of its biological activity with (+) and (-)-secoisolariciresinol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007 , 71, 2962-8	2.1	18
27	Determination of the stereochemistry of the tetrahydropyran sesquieneolignans morinols A and B. <i>Journal of Natural Products</i> , 2007 , 70, 549-56	4.9	6
26	Enantioselective synthesis of the tetrahydrofuran lignans (-)- and (+)-magnolone. <i>Journal of Natural Products</i> , 2007 , 70, 1588-92	4.9	12
25	Effect of the benzylic structure of lignan on antioxidant activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007 , 71, 2283-90	2.1	23
24	Radical and superoxide scavenging activities of matairesinol and oxidized matairesinol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006 , 70, 1934-40	2.1	33
23	Effect of benzylic oxygen on the cytotoxic activity for colon 26 cell line of phenolic lignans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006 , 70, 2942-7	2.1	10
22	Synthesis of a glandular secretion of the civet cat, (2S,6S)-(6-methyltetrahydropyran-2-yl)acetic acid and its enantiomer, by using the yeast-reduction product and recovered substrate from yeast reduction. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006 , 70, 712-7	2.1	3
21	Synthesis of an optically pure synthetic intermediate of aloperine from a yeast-reductive product. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 1589-94	2.1	4
20	Synthesis and antioxidant activity of olivil-type lignans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 113-22	2.1	13
19	First enantioselective synthesis of (-)- and (+)-virgatusin, tetra-substituted tetrahydrofuran lignan. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 1670-5	3.9	37
18	Effect of benzylic oxygen on the antioxidant activity of phenolic lignans. <i>Journal of Natural Products</i> , 2005 , 68, 1459-70	4.9	52
17	Syntheses of (+)- and (-)-dihydropinidine and (+)- and (-)-epidihydropinidine by using yeast reduction of methyl (2-oxocyclohexyl)acetate. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004 , 68, 676-84	2.1	15
16	Synthesis and antioxidant activity of oxygenated furofuran lignans. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004 , 68, 183-92	2.1	39
15	Syntheses of the stereoisomers of neolignans morinol C and D. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 1323-9	3.9	7
14	Synthesis of (+)-aptosimon, a 4-oxofurofuran lignan, by erythro selective aldol condensation and stereoconvergent cyclization as the key reactions. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003 , 67, 838-46	2.1	10
13	New method for synthesizing the intermediates to 5-HETE from yeast-mediated reduction products by employing Baeyer-Villiger oxidation with complete retention of enantiomeric excess. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003 , 67, 1959-69	2.1	2
12	Synthesis of 1,2-oxygenated 6-arylfurofuran lignan: stereoselective synthesis of (1S,2S,5R,6S)-1-hydroxysamin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002 , 66, 1495-9	2.1	5

11	Synthesis of (R)-6,7-dihydro-5-HETE lactone and (S)-6,7-dihydro-5-HETE lactone by using novel yeast reduction as a key reaction. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002 , 2156-2160		10
10	Synthesis of cis-lactone lignan, cis-(2S,3R)-parabenzlactone, from L-arabinose. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001 , 65, 1669-72	2.1	6
9	First stereoselective synthesis of (+)-magnostellin C, a tetrahydrofuran type of lignan bearing a chiral secondary benzyl alcohol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001 , 65, 1559-67	2.1	7
8	First highly stereoselective synthesis of (+)-dihydrosesamin, a trisubstituted tetrahydrofuran-type of lignan, by using highly erythro-selective aldol condensation. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001 , 2158-2160		6
7	Stereoselective model synthesis of the optically active olivil type of lignan from D-xylose. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000 , 64, 1563-71	2.1	6
6	Stereoselective synthesis of the optically active samin type of lignan from L-glutamic acid. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000 , 64, 878-81	2.1	3
5	Synthesis of optically active olivil type of lignan from L-arabinose using threo-selective aldol condensation as a key reaction. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000 , 64, 2320-7	2.1	5
4	Improved stereoselective synthesis of optically active methylene lactone, key intermediate for the synthesis of 1,2-oxidized furofuran lignan, by direct alpha-methylenation to butanolide. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000 , 64, 2209-15	2.1	4
3	Stereoselective Syntheses of (-)-Podorhizol Lignan and its Derivatives: erythro and threo Preferential Aldol Condensation of Potassium Enolate from β -Butyrolactone with Alkoxybenzaldehyde. <i>Bioscience, Biotechnology and Biochemistry</i> , 1999 , 63, 1453-62	2.1	5
2	Reduction of alkyl (2-oxocyclohexyl)acetates by baker's yeast. <i>Bioscience, Biotechnology and Biochemistry</i> , 1998 , 62, 181-4	2.1	8
1	Synthesis of (+)-(1S,2S,5R,6S)-1-Hydroxysamin from l-(+)-Arabinose. <i>Bioscience, Biotechnology and Biochemistry</i> , 1997 , 61, 1342-1348	2.1	3