Satoshi Yamauchi

List of Publications by Citations

82	851	16	23
papers	citations	h-index	g-index
89	945	3	3.6
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
82	Effect of benzylic oxygen on the antioxidant activity of phenolic lignans. *Journal of Natural Products* , **2005**, 68, 1459-70	4.9	52
81	Synthesis and antioxidant activity of oxygenated furofuran lignans. *Bioscience, Biotechnology and Biochemistry*, **2004**, 68, 183-92	2.1	39
80	First enantioselective synthesis of (-)- and (+)-virgatusin, tetra-substituted tetrahydrofuran lignan. *Organic and Biomolecular Chemistry*, **2005**, 3, 1670-5	3.9	37
79	Antifungal activity of tetra-substituted tetrahydrofuran lignan, (-)-virgatusin, and its structure-activity relationship. *Bioscience, Biotechnology and Biochemistry*, **2007**, 71, 1028-35	2.1	36
78	Antioxidation reaction mechanism studies of phenolic lignans, identification of antioxidation products of secoisolariciresinol from lipid oxidation. *Food Chemistry*, **2010**, 123, 442-450	8.5	34
77	Radical and superoxide scavenging activities of matairesinol and oxidized matairesinol. *Bioscience, Biotechnology and Biochemistry*, **2006**, 70, 1934-40	2.1	33
76	Stereoselective syntheses of all stereoisomers of lariciresinol and their plant growth inhibitory activities. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 13089-95	5.7	27
75	Antioxidant activity of butane type lignans, secoisolariciresinol, dihydroguaiaretic acid, and 7,7Soxodihydroguaiaretic acid. *Bioscience, Biotechnology and Biochemistry*, **2008**, 72, 2981-6	2.1	25
74	Antimicrobial activity of stereoisomers of butane-type lignans. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 1806-10	2.1	24
73	Antimicrobiological activity of lignan: effect of benzylic oxygen and stereochemistry of 2,3-dibenzyl-4-butanolide and 3,4-dibenzyltetrahydrofuran lignans on activity. *Bioscience, Biotechnology and Biochemistry*, **2007**, 71, 1745-51	2.1	23
72	Effect of the benzylic structure of lignan on antioxidant activity. *Bioscience, Biotechnology and Biochemistry*, **2007**, 71, 2283-90	2.1	23
71	Antibacterial activity of a virgatusin-related compound. *Bioscience, Biotechnology and Biochemistry*, **2007**, 71, 677-80	2.1	22
70	Evaluation of plant growth regulatory activity of furofuran lignan bearing a 7,9S7S9-diepoxy structure using optically pure (+)- and (-)-enantiomers. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 5224-8	5.7	18
69	First stereoselective synthesis of meso-secoisolariciresinol and comparison of its biological activity with (+) and (-)-secoisolariciresinol. *Bioscience, Biotechnology and Biochemistry*, **2007**, 71, 2962-8	2.1	18
68	Synthesis of all stereoisomers of 3,3Sdimethoxy-7,7Sepoxylignane-4,4Sdiol and their plant growth inhibitory activity. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 651-9	5.7	16
67	Effect of polyphenols on oxymyoglobin oxidation: prooxidant activity of polyphenols in vitro and inhibition by amino acids. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 1097-104	5.7	16
66	Larvicidal activity of (-)-dihydroguaiaretic acid derivatives against Culex pipiens. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1735-9	2.1	16

65	The Effect of Secoisolariciresinol on 3T3-L1 Adipocytes and the Relationship between Molecular Structure and Activity. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 35-9	2.1	16
64	Syntheses of (+)- and (-)-dihydropinidine and (+)- and (-)-epidihydropinidine by using yeast reduction of methyl (2-oxocyclohexyl)acetate. *Bioscience, Biotechnology and Biochemistry*, **2004**, 68, 676-84	2.1	15
63	(-)-Secoisolariciresinol attenuates high-fat diet-induced obesity in C57BL/6 mice. *Food and Function*, **2012**, 3, 76-82	6.1	14
62	Syntheses of all stereoisomers of goniodiol from yeast-reduction products and their antimicrobiological activity. *Bioscience, Biotechnology and Biochemistry*, **2008**, 72, 2342-52	2.1	13
61	Synthesis and antioxidant activity of olivil-type lignans. *Bioscience, Biotechnology and Biochemistry*, **2005**, 69, 113-22	2.1	13
60	IgE-suppressive activity of (-)-matairesinol and its structure-activity relationship. *Bioscience, Biotechnology and Biochemistry*, **2010**, 74, 1878-83	2.1	12
59	Antimicrobial activity of stereoisomers of morinols a and B, tetrahydropyran sesquineolignans. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 129-33	2.1	12
58	Enantioselective synthesis of the tetrahydrofuran lignans (-)- and (+)-magnolone. *Journal of Natural Products*, **2007**, 70, 1588-92	4.9	12
57	First discovery of insecticidal activity of 9,9Sepoxylignane and dihydroguaiaretic acid against houseflies and the structure-activity relationship. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 4318-25	5.7	11
56	Cytotoxic activity of dietary lignan and its derivatives: structure-cytotoxic activity relationship of dihydroguaiaretic acid. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 5305-15	5.7	10
55	Structure-plant growth inhibitory activity relationship of lariciresinol. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 12297-306	5.7	10
54	Immunomodulatory effect of (--)-matairesinol in vivo and ex vivo. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 859-63	2.1	10
53	Effect of benzylic oxygen on the cytotoxic activity for colon 26 cell line of phenolic lignans. *Bioscience, Biotechnology and Biochemistry*, **2006**, 70, 2942-7	2.1	10
52	Synthesis of (+)-aptosimon, a 4-oxofurofuran lignan, by erythro selective aldol condensation and stereoconvergent cyclization as the key reactions. *Bioscience, Biotechnology and Biochemistry*, **2003**, 67, 838-46	2.1	10
51	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. *Journal of the Chemical Society, Perkin Transactions 1*, **2002**, 2156-2160		10
50	Cytotoxic activity of butane type of 1,7-seco-2,7Scyclolignanes and apoptosis induction by Caspase 9 and 3. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 4231-5	2.9	9
49	Syntheses and antimicrobial activity of tetrasubstituted tetrahydrofuran lignan stereoisomers. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 1608-17	2.1	9
48	Structure-cytotoxic activity relationship of sesquilignan, morinol A. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 4923-30	2.9	8

47	Total syntheses of (-)- and (+)-boronolide and their plant growth-inhibitory activity. *Bioscience, Biotechnology and Biochemistry*, **2012**, 76, 1708-14	2.1	8
46	Reduction of alkyl (2-oxocyclohexyl)acetates by baker's yeast. *Bioscience, Biotechnology and Biochemistry*, **1998**, 62, 181-4	2.1	8
45	Quantitative structure-activity relationship analysis of antifungal (+)-dihydroguaiaretic acid using 7-phenyl derivatives. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 8548-55	5.7	7
44	Structure-antibacterial activity relationship for 9-O,9'O-demethyl (+)-virgatusin. *Bioscience, Biotechnology and Biochemistry*, **2008**, 72, 1032-7	2.1	7
43	Syntheses of the stereoisomers of neolignans morinol C and D. *Organic and Biomolecular Chemistry*, **2003**, 1, 1323-9	3.9	7
42	First stereoselective synthesis of (+)-magnostellin C, a tetrahydrofuran type of lignan bearing a chiral secondary benzyl alcohol. *Bioscience, Biotechnology and Biochemistry*, **2001**, 65, 1559-67	2.1	7
41	Antifungal activity of morinol B derivatives of tetrahydropyran sesquilignan. *Bioscience, Biotechnology and Biochemistry*, **2010**, 74, 2071-6	2.1	6
40	Determination of the stereochemistry of the tetrahydropyran sesquineolignans morinols A and B. *Journal of Natural Products*, **2007**, 70, 549-56	4.9	6
39	Synthesis of cis-lactone lignan, cis-(2S,3R)-parabenzlactone, from L-arabinose. *Bioscience, Biotechnology and Biochemistry*, **2001**, 65, 1669-72	2.1	6
38	Stereoselective model synthesis of the optically active olivil type of lignan from D-xylose. *Bioscience, Biotechnology and Biochemistry*, **2000**, 64, 1563-71	2.1	6
37	First highly stereoselective synthesis of (+)-dihydrosesamin, a trisubstituted tetrahydrofuran-type of lignan, by using highly erythro-selective aldol condensation. *Journal of the Chemical Society, Perkin Transactions 1*, **2001**, 2158-2160		6
36	Effects of an equol-producing bacterium isolated from human faeces on isoflavone and lignan metabolism in mice. *Journal of the Science of Food and Agriculture*, **2016**, 96, 3126-32	4.3	6
35	Stereoselective syntheses of cryptocarya diacetate and all its stereoisomers in optically pure forms. *Bioscience, Biotechnology and Biochemistry*, **2015**, 79, 16-24	2.1	5
34	Use of the benzyl mesylate for the synthesis of tetrahydrofuran lignan: syntheses of 7,8-trans, 7'8'trans, 7,7'cis, and 8,8'cis-virgatusin stereoisomers. *Bioscience, Biotechnology and Biochemistry*, **2007**, 71, 2248-55	2.1	5
33	Synthesis of 1,2-oxygenated 6-arylfurofuran lignan: stereoselective synthesis of (1S,2S,5R,6S)-1-hydroxysamin. *Bioscience, Biotechnology and Biochemistry*, **2002**, 66, 1495-9	2.1	5
32	Synthesis of optically active olivil type of lignan from L-arabinose using threo-selective aldol condensation as a key reaction. *Bioscience, Biotechnology and Biochemistry*, **2000**, 64, 2320-7	2.1	5
31	Stereoselective Syntheses of (-)-Podorhizol Lignan and its Derivatives: erythro and threo Preferential Aldol Condensation of Potassium Enolate from β-Butyrolactone with Alkoxybenzaldehyde. *Bioscience, Biotechnology and Biochemistry*, **1999**, 63, 1453-62	2.1	5
30	Effect of the structure of dietary epoxylignan on its cytotoxic activity: relationship between the structure and the activity of 7,7'epoxylignan and the introduction of apoptosis by caspase 3/7. *Bioscience, Biotechnology and Biochemistry*, **2016**, 80, 669-75	2.1	5

29	Syntheses of natural 1,3-polyol/Ɛpyrone and its all stereoisomers to estimate antifungal activities against plant pathogenic fungi. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 2189-92	2.9	4
28	Design of 92 New 9-Norlignan Derivatives and Their Effect on Cell Viabilities of Cancer and Insect Cells. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 7880-7885	5.7	4
27	Structure-plant phytotoxic activity relationship of 7,7Sepoxylignanes, (+)- and (-)-verrucosin: simplification on the aromatic ring substituents. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 4798-803	2.9	4
26	Structure-Antifungal Activity Relationship of Fluorinated Dihydroguaiaretic Acid Derivatives and Preventive Activity against Alternaria alternata Japanese Pear Pathotype. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 6701-6707	5.7	4
25	Syntheses of all the stereoisomers of butanol type 1,7-seco-2,7Scyclolignane. *Bioscience, Biotechnology and Biochemistry*, **2014**, 78, 19-28	2.1	4
24	Effect of substituents at phenyl group of 7,7Sdioxo-9,9Sepoxylignane on antifungal activity. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 6740-4	2.9	4
23	Stereoselective construction of tetra-substituted tetrahydrofuran compounds from benzylic hemiacetal in the presence of H2 and a Pd catalyst: stereoselective synthesis of a stereoisomer of (-)-virgatusin and its antimicrobiological activity. *Bioscience, Biotechnology and Biochemistry*, **2008**, 72, 197-203	2.1	4
22	Synthesis of an optically pure synthetic intermediate of aloperine from a yeast-reductive product. *Bioscience, Biotechnology and Biochemistry*, **2005**, 69, 1589-94	2.1	4
21	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. *Bioscience, Biotechnology and Biochemistry*, **2000**, 64, 2209-15	2.1	4
20	Enantioselective syntheses of both enantiomers of 9Sdehydroxyimperanene and 7,8-dihydro-9Sdehydroxyimperanene and the comparison of biological activity between 9-norlignans and dihydroguaiaretic acids. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 3019-3023	2.9	3
19	Docking model of the nicotinic acetylcholine receptor and nitromethylene neonicotinoid derivatives with a longer chiral substituent and their biological activities. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 759-69	3.4	3
18	Acute larvicidal activity against mosquitoes and oxygen consumption inhibitory activity of dihydroguaiaretic acid derivatives. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 2442-8	5.7	3
17	Improved syntheses of morinol C and D by employing Mizoroki-Heck reaction and their cytotoxic and antimicrobial activities. *Bioscience, Biotechnology and Biochemistry*, **2010**, 74, 1641-4	2.1	3
16	Syntheses of secocyclolignanes and comparative antioxidative activity between secocyclolignane and the dibenzyl type of lignan. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 939-43	2.1	3
15	Synthesis of (+)-(1S,2S,5R,6S)-1-Hydroxysamin from l-(+)-Arabinose. *Bioscience, Biotechnology and Biochemistry*, **1997**, 61, 1342-1348	2.1	3
14	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. *Bioscience, Biotechnology and Biochemistry*, **2006**, 70, 712-7	2.1	3
13	Stereoselective synthesis of the optically active samin type of lignan from L-glutamic acid. *Bioscience, Biotechnology and Biochemistry*, **2000**, 64, 878-81	2.1	3
12	Syntheses of all eight stereoisomers of conidendrin. *Bioscience, Biotechnology and Biochemistry*, **2020**, 84, 1986-1996	2.1	2

11	Effects of Substituents on the Aromatic Ring of Lignano-9,9Slactone on Plant Growth Inhibitory Activity. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 4551-4558	5.7	2
10	Syntheses of cytotoxic novel arctigenin derivatives bearing halogen and alkyl groups on aromatic rings. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 4199-4203	2.9	2
9	Disruption of ion homeostasis by verrucosin and a related compound. *Bioscience, Biotechnology and Biochemistry*, **2011**, 75, 1000-2	2.1	2
8	Inhibition of the discoloration of yellowtail dark muscle by lignan. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 1718-21	2.1	2
7	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. *Bioscience, Biotechnology and Biochemistry*, **2003**, 67, 1959-69	2.1	2
6	Discovery of stereospecific cytotoxicity of (8R,8S)-trans-arctigenin against insect cells and structure-activity relationship on aromatic ring. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127191	2.9	2
5	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 Unsaturated Carbonyl Structure and Hydroxy Group Bonding to Chiral Carbon. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 12558-12564	5.7	1
4	First diastereoselective construction of butane-type and butyrolactone-type secocyclolignane structures. *Bioscience, Biotechnology and Biochemistry*, **2009**, 73, 2445-51	2.1	1
3	Synthesis of amino tetrahydrofuran lignan via an N,O-heterocyclic compound as an intermediate. *Bioscience, Biotechnology and Biochemistry*, **2007**, 71, 741-5	2.1	1
2	Syntheses of Natural Compounds from Yeast-reduction Products of Cyclic Keto Ester and Application to Agrichemicals. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2021**, 79, 34-42	0.2	
1	Stereocontrolled syntheses of (-)- and (+)-diisoeugenol along with optically active eight stereoisomers of 7,8Sepoxy-8,7Sneolignan. *Organic and Biomolecular Chemistry*, **2021**, 19, 2168-2176	3.9	