

# Masanobu Yamamoto

## List of Publications by Year in descending order

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33  
papers

714  
citations

687363

13  
h-index

552781

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rerouting of the lignin biosynthetic pathway by inhibition of cytosolic shikimate recycling in transgenic hybrid aspen. <i>Plant Journal</i> , 2022, 110, 358-376.	5.7	10
2	Identification of a unique three-component sex pheromone produced by the tea black tussock moth, <i>Dasychira baibarana</i> (Lepidoptera: Erebiidae: Lymantriinae). <i>Pest Management Science</i> , 2022, 78, 2607-2617.	3.4	5
3	Importance of Lignin Coniferaldehyde Residues for Plant Properties and Sustainable Uses. <i>ChemSusChem</i> , 2020, 13, 4400-4408.	6.8	14
4	Identification of enzymatic genes with the potential to reduce biomass recalcitrance through lignin manipulation in <i>Arabidopsis</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 97.	6.2	19
5	A Century-Old Mystery Unveiled: Sekizaisou is a Natural Lignin Mutant. <i>Plant Physiology</i> , 2020, 182, 1821-1828.	4.8	24
6	Semiochemicals containing lepidopteran sex pheromones: Wonderland for a natural product chemist. <i>Journal of Pesticide Sciences</i> , 2020, 45, 191-205.	1.4	15
7	Functional characterization of the epoxidase gene, <i>Li_epo1</i> (CYP341B14), involved in generation of epoxyalkene pheromones in the mulberry tiger moth <i>Lemyra imparilis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 107, 46-52.	2.7	11
8	In vitro analysis of DIMBOA catabolism in the Asian corn borer <i>Ostrinia furnacalis</i> (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.2	5
9	Identification and field attraction of the female sex pheromone of a kiwifruit pest, <i>Nokona feralis</i> (Lepidoptera: Sesiidae). <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1468-1472.	1.3	3
10	GC/FT-IR Analysis of Novel 4,6,9-Triene and 2,4,6,9-Tetraene Occurring in a Female Pheromone Gland of <i>Arctia plantaginis</i> (Erebidae: Arctiinae). <i>American Journal of Analytical Chemistry</i> , 2017, 08, 645-656.	0.9	5
11	Comparison of the ability to catabolize DIMBOA, a maize antibiotic, between <i>Ostrinia furnacalis</i> and <i>Ostrinia scapularis</i> (Lepidoptera: Crambidae), with reference to their hybrids. <i>Applied Entomology and Zoology</i> , 2016, 51, 143-149.	1.2	9
12	Alkenyl sex pheromone analogs in the hemolymph of an arctiid <i>Eilema japonica</i> and several non-arctiid moths. <i>Journal of Insect Physiology</i> , 2015, 82, 109-113.	2.0	9
13	CYP341B14: A cytochrome P450 involved in the specific epoxidation of pheromone precursors in the fall webworm <i>Hyphantria cunea</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 54, 122-128.	2.7	23
14	Characterization of posticlure and the structure-related sex pheromone candidates prepared by epoxidation of (6Z,9Z,11E)-6,9,11-trienes and (3Z,6Z,9Z,11E)-3,6,9,11-tetraenes. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7405-7414.	3.7	2
15	Synthesis of Four Stereoisomers of (S)-Methylpent-3-yl 3,13-Dimethylpentadecanoate, a Sex Pheromone of the Bagworm Moth <i>Clania variegata</i> , Using Stereospecific Inversion of Secondary Sulfonates as a Key Step. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6924-6933.	2.4	13
16	Synthesis of All Four Stereoisomers of 6,10,13-Trimethyltetradecan-2-one, a Sex Pheromone Component Produced by Males of the Stink Bug <i>Pallantia macunaima</i> . <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2209-2215.	2.4	8
17	Characterization of Epoxytrienes Derived from (3Z,6Z,9Z)-1,3,6,9-Tetraenes, Sex Pheromone Components of Arctiid Moths and Related Compounds. <i>Journal of Chemical Ecology</i> , 2012, 38, 1042-1049.	1.8	5
18	Synthesis and Chemical Characterization of Hydrocarbons with a 6,9,11-, 3,6,9,11-, or 1,3,6,9-Polyene System, Pheromone Candidates in Lepidoptera. <i>Journal of Chemical Ecology</i> , 2008, 34, 1057-1064.	1.8	14

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19	Identification of the sex pheromone secreted by <i>Synanthedon hector</i> (Lepidoptera: Sesiidae). <i>Applied Entomology and Zoology</i> , 2008, 43, 467-474.	1.2	7
20	7,11,13-Hexadecatrienal identified from female moths of the citrus leafminer as a new sex pheromone component: synthesis and field evaluation in Vietnam and Japan. <i>Journal of Pesticide Sciences</i> , 2008, 33, 152-158.	1.4	10
21	A Novel Lepidopteran Sex Pheromone Produced by Females of a Lithosiinae Species, <i>Lyclene dharmadharma</i> , in the Family of Arctiidae. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2860-2863.	1.3	21
22	Lepidopteran Sex Pheromones. <i>Topics in Current Chemistry</i> , 2004, 239, 51-96.	4.0	294
23	Mating disruption of the Japanese giant looper in tea gardens permeated with synthetic pheromone and related compounds. <i>Entomologia Experimentalis Et Applicata</i> , 2001, 100, 203-209.	1.4	14
24	Posticlure: a novel trans-epoxide as a sex pheromone component of the tussock moth, <i>Orgyia postica</i> (Walker). <i>Tetrahedron Letters</i> , 2001, 42, 687-689.	1.4	36
25	Synthesis and characterization of diepoxyalkenes derived from (3Z,6Z,9Z)-trienes: lymantriid sex pheromones and their candidates. <i>Journal of Chemical Ecology</i> , 2001, 27, 2153-2167.	1.8	8
26	Identification of Chiral Sex Pheromone Secreted by Giant Geometrid Moth, <i>Biston robustum</i> Butler. <i>Journal of Chemical Ecology</i> , 2000, 26, 2579-2590.	1.8	11
27	Title is missing!. <i>Journal of Chemical Ecology</i> , 1999, 25, 1151-1162.	1.8	13
28	Responses of Japanese Giant Looper Male Moth to Synthetic Sex Pheromone and Related Compounds. <i>Journal of Chemical Ecology</i> , 1999, 25, 1633-1642.	1.8	14
29	A Convenient Preparation of Optically Active Diepoxyhenicosene (Leucomalure), Lymantriid Sex Pheromone, by Chiral HPLC. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1503-1506.	2.4	5
30	Chiral HPLC resolution of monoepoxides derived from 6,9-dienes and its application to stereochemistry assignment of fruit-piercing noctuid pheromone. <i>Biomedical Chromatography</i> , 1999, 13, 410-417.	1.7	15
31	Stereochemistry of $\Delta^{11}$ -desaturation and inhibitors of $\Delta^{10,12}$ -desaturation in the biosynthesis of bombykol, sex pheromone of the female silkworm moth, examined with deuterated precursors. <i>Archives of Insect Biochemistry and Physiology</i> , 1998, 37, 8-16.	1.5	10
32	Resolution of Pheromonal Epoxydienes by Chiral HPLC, Stereochemistry of Separated Enantiomers, and Their Field Evaluation. <i>Journal of Chemical Ecology</i> , 1997, 23, 1403-1417.	1.8	20
33	Sex Pheromone of Japanese Giant Looper, <i>Ascotis selenaria cretacea</i> : Identification and Field Tests. <i>Journal of Chemical Ecology</i> , 1997, 23, 2413-2423.	1.8	42