

Masanobu Yamamoto

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Lepidopteran Sex Pheromones. Topics in Current Chemistry, 2004, 239, 51-96.	4.0	294
2	Sex Pheromone of Japanese Giant Looper, <i>Ascotis selenaria cretacea</i> : Identification and Field Tests. Journal of Chemical Ecology, 1997, 23, 2413-2423.	1.8	42
3	Posticlure: a novel trans-epoxide as a sex pheromone component of the tussock moth, <i>Orgyia postica</i> (Walker). Tetrahedron Letters, 2001, 42, 687-689.	1.4	36
4	A Century-Old Mystery Unveiled: Sekizaisou is a Natural Lignin Mutant. Plant Physiology, 2020, 182, 1821-1828.	4.8	24
5	CYP341B14: A cytochrome P450 involved in the specific epoxidation of pheromone precursors in the fall webworm <i>Hyphantria cunea</i> . Insect Biochemistry and Molecular Biology, 2014, 54, 122-128.	2.7	23
6	A Novel Lepidopteran Sex Pheromone Produced by Females of a Lithosiinae Species, <i>Lyclene dharmadharmia</i> , in the Family of Arctiidae. Bioscience, Biotechnology and Biochemistry, 2007, 71, 2860-2863.	1.3	21
7	Resolution of Pheromonal Epoxydienes by Chiral HPLC, Stereochemistry of Separated Enantiomers, and Their Field Evaluation. Journal of Chemical Ecology, 1997, 23, 1403-1417.	1.8	20
8	Identification of enzymatic genes with the potential to reduce biomass recalcitrance through lignin manipulation in <i>Arabidopsis</i> . Biotechnology for Biofuels, 2020, 13, 97.	6.2	19
9	Chiral HPLC resolution of monoepoxides derived from 6,9-dienes and its application to stereochemistry assignment of fruit-piercing noctuid pheromone. Biomedical Chromatography, 1999, 13, 410-417.	1.7	15
10	Semiochemicals containing lepidopteran sex pheromones: Wonderland for a natural product chemist. Journal of Pesticide Sciences, 2020, 45, 191-205.	1.4	15
11	Responses of Japanese Giant Looper Male Moth to Synthetic Sex Pheromone and Related Compounds. Journal of Chemical Ecology, 1999, 25, 1633-1642.	1.8	14
12	Mating disruption of the Japanese giant looper in tea gardens permeated with synthetic pheromone and related compounds. Entomologia Experimentalis Et Applicata, 2001, 100, 203-209.	1.4	14
13	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. Journal of Chemical Ecology, 2008, 34, 1057-1064.	1.8	14
14	Importance of Lignin Coniferaldehyde Residues for Plant Properties and Sustainable Uses. ChemSusChem, 2020, 13, 4400-4408.	6.8	14
15	Title is missing!. Journal of Chemical Ecology, 1999, 25, 1151-1162.	1.8	13
16	Synthesis of Four Stereoisomers of (S)-2-Methylpentadecyl 3,13-Dimethylpentadecanoate, a Sex Pheromone of the Bagworm Moth <i>Clania variegata</i> , Using Stereospecific Inversion of Secondary Sulfonates as a Key Step. European Journal of Organic Chemistry, 2013, 2013, 6924-6933.	2.4	13
17	Identification of Chiral Sex Pheromone Secreted by Giant Geometrid Moth, <i>Biston robustum</i> Butler. Journal of Chemical Ecology, 2000, 26, 2579-2590.	1.8	11
18	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> . Insect Biochemistry and Molecular Biology, 2019, 107, 46-52.	2.7	11

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19	Stereochemistry of Δ^{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. Archives of Insect Biochemistry and Physiology, 1998, 37, 8-16.	1.5	10
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. Journal of Pesticide Sciences, 2008, 33, 152-158.	1.4	10
21	Rerouting of the lignin biosynthetic pathway by inhibition of cytosolic shikimate recycling in transgenic hybrid aspen. Plant Journal, 2022, 110, 358-376.	5.7	10
22	Alkenyl sex pheromone analogs in the hemolymph of an arctiid <i>Eilema japonica</i> and several non-arctiid moths. Journal of Insect Physiology, 2015, 82, 109-113.	2.0	9
23	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. Applied Entomology and Zoology, 2016, 51, 143-149.	1.2	9
24	Synthesis and characterization of diepoxyalkenes derived from (3Z,6Z,9Z)-trienes: lymantriid sex pheromones and their candidates. Journal of Chemical Ecology, 2001, 27, 2153-2167.	1.8	8
25	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> . European Journal of Organic Chemistry, 2013, 2013, 2209-2215.	2.4	8
26	Identification of the sex pheromone secreted by <i>Synanthedon hector</i> (Lepidoptera: Sesiidae). Applied Entomology and Zoology, 2008, 43, 467-474.	1.2	7
27	A Convenient Preparation of Optically Active Diepoxyhenicosene (Leucomalure), Lymantriid Sex Pheromone, by Chiral HPLC. European Journal of Organic Chemistry, 1999, 1999, 1503-1506.	2.4	5
28	Characterization of Epoxytrienes Derived from (3Z,6Z,9Z)-1,3,6,9-Tetraenes, Sex Pheromone Components of Arctiid Moths and Related Compounds. Journal of Chemical Ecology, 2012, 38, 1042-1049.	1.8	5
29	In vitro analysis of DIMBOA catabolism in the Asian corn borer <i>Ostrinia furnacalis</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Qverlock 10	1.2	5
30	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). American Journal of Analytical Chemistry, 2017, 08, 645-656.	0.9	5
31	Identification of a unique three-component sex pheromone produced by the tea black tussock moth, <i>Dasychira baibarana</i> (Lepidoptera: Erebidae: Lymantriinae). Pest Management Science, 2022, 78, 2607-2617.	3.4	5
32	Identification and field attraction of the female sex pheromone of a kiwifruit pest, <i>Nokona feralis</i> (Lepidoptera: Sesiidae). Bioscience, Biotechnology and Biochemistry, 2018, 82, 1468-1472.	1.3	3
33	Characterization of postcicure 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. Analytical and Bioanalytical Chemistry, 2013, 405, 7405-7414.	3.7	2