Koji Noge

List of Publications by Year
in descending order

35 papers	726 citations	759233 12 h-index	552781 26 g-index
35 all docs	35 docs citations	35 times ranked	1047 citing authors

#	Article	IF	Citations
1	Macroevolutionary chemical escalation in an ancient plantâ€“herbivore arms race. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18062-18066.	7.1	152
2	Parasitic wasp responses to symbiont-based defense in aphids. BMC Biology, 2012, 10, 11.	3.8	126
3	Adults and Nymphs Do Not Smell the Same: The Different Defensive Compounds of the Giant Mesquite Bug (Thasus neocalifornicus: Coreidae). Journal of Chemical Ecology, 2008, 34, 734-741.	1.8	46
4	Germacrene D, A Common Sesquiterpene in the Genus Bursera (Burseraceae). Molecules, 2009, 14, 5289-5297.	3.8	46
5	Defensive Roles of (E)-2-Alkenals and Related Compounds in Heteroptera. Journal of Chemical Ecology, 2012, 38, 1050-1056.	1.8	43
6	Identification of astigmatid mites using the second internal transcribed spacer (ITS2) region and its application for phylogenetic study. Experimental and Applied Acarology, 2005, 35, 29-46.	1.6	30
7	Cytochrome P450 CYP71AT96 catalyses the final step of herbivore-induced phenylacetonitrile biosynthesis in the giant knotweed, Fallopia sachalinensis. Plant Molecular Biology, 2016, 91, 229-239.	3.9	30
8	Gut Microbiota in Nymph and Adults of the Giant Mesquite Bug (Thasus neocalifornicus) (Heteroptera: Coreidae) Is Dominated byBurkholderiaAcquiredDe NovoEvery Generation. Environmental Entomology, 2011, 40, 1102-1110.	1.4	28
9	Geraniol dehydrogenase, the key enzyme in biosynthesis of the alarm pheromone, from the astigmatid mite Carpoglyphusâ€ƒlactis (Acari: Carpoglyphidae). FEBS Journal, 2008, 275, 2807-2817.	4.7	22
10	Methyl jasmonate is transported to distal leaves via vascular process metabolizing itself into JA-Ile and triggering VOCs emission as defensive metabolites. Plant Signaling and Behavior, 2012, 7, 1378-1381.	2.4	22
11	Herbivoreâ€induced phenylacetonitrile is biosynthesized from de novoâ€synthesized <scp>l</scp>â€phenylalanine in the giant knotweed, Fallopia sachalinensis. FEBS Letters, 2013, 587, 1811-1817.	2.8	20
12	Identification of the Alarm Pheromone of Hygia lativentris and Changes in Composition during Development. Journal of Chemical Ecology, 2015, 41, 757-765.	1.8	17
13	Antibacterial Activity of 4-Oxo-(E)-2-hexenal from Adults and Nymphs of the Heteropteran,Dolycoris baccarum(Heteroptera: Pentatomidae). Bioscience, Biotechnology and Biochemistry, 2012, 76, 1975-1978.	1.3	14
14	Phenylacetonitrile from the Giant Knotweed, Fallopia sachalinensis, Infested by the Japanese Beetle, Popillia japonica, Is Induced by Exogenous Methyl Jasmonate. Molecules, 2011, 16, 6481-6488.	3.8	12
15	Biosynthesis of Neral in Carpoglyphus lactis (Acari: Carpoglyphidae) and Detection of Its Key Enzyme, Geraniol Dehydrogenase, by Electrophoresis. Journal of the Acarological Society of Japan, 2005, 14, 75-81.	0.2	11
16	Efficient Incorporation of Unsaturated Fatty Acids into Volicitin-Related Compounds inSpodoptera litura(Lepidoptera: Noctuidae). Bioscience, Biotechnology and Biochemistry, 2007, 71, 607-610.	1.3	10
17	Chemical Ecology of Astigmatid Mites LXXIII. Neral as an Alarm Pheromone of the Acarid Mite, Oulenzia sp. (Astigmata: Winterschmidtiidae). Journal of the Acarological Society of Japan, 2004, 13, 57-64.	0.2	9
18	Identification of enzymes from genus Trichoderma that can accelerate formation ofÂferulic acid and ethyl ferulate in collaboration with rice koji enzyme in sake mash. Journal of Bioscience and Bioengineering, 2019, 128, 177-182.	2.2	9

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19	Isovaleronitrile co-induced with its precursor, l-leucine, by herbivory in the common evening primrose stimulates foraging behavior of the predatory blue shield bug. Bioscience, Biotechnology and Biochemistry, 2018, 82, 395-406.	1.3	8
20	Starch synthases SSIIa and GBSSI control starch structure but do not determine starch granule morphology in the absence of SSIIIa and SSIVb. Plant Molecular Biology, 2022, 108, 379-398.	3.9	8
21	Conversion of airborne nerolidol to DMNT emission requires additional signals inAchyranthes bidentata. FEBS Letters, 2011, 585, 1807-1813.	2.8	7
22	(R)-(-)-linalyl acetate and (S)-(-)-germacrene D from the leaves of Mexican Bursera linanoe. Natural Product Communications, 2010, 5, 351-4.	0.5	7
23	Synthesis of (+)-(S)-isorobinal together with its antipod, a cyclic monoterpene functioning as the sex pheromone of Rhizoglyphus setosus and its distribution among Astigmata. Journal of Pesticide Sciences, 2006, 31, 311-315.	1.4	6
24	(R)-(â€“)-Linalyl Acetate and (S)-(â€“)-Germacrene D from the Leaves of Mexican Bursera linanoe. Natural Product Communications, 2010, 5, 1934578X1000500.	0.5	6
25	Studies on chemical ecology of the heteropteran scent gland components. Journal of Pesticide Sciences, 2015, 40, 143-145.	1.4	6
26	4â€Oxoâ€(E)â€2â€hexenal produced by Heteroptera induces permanent locomotive impairment in crickets that correlates with free thiol depletion. FEBS Open Bio, 2015, 5, 319-324.	2.3	6
27	Hexanal, a major volatile found in fresh peanut seed, elicits foraging behavior in the laboratory-reared brown marmorated stink bug, <i>Halyomorpha halys</i> (Heteroptera:) Tj ETQq1 1 0.784314 rgBT /Overlo		
28	Deuterium labeling for investigating de novo synthesis of terpene volatiles in Achyranthes bidentata. Biotechnology Letters, 2013, 35, 1247-1252.	2.2	5
29	Recent advances in chemical ecology: complex interactions mediated by molecules. Bioscience, Biotechnology and Biochemistry, 2021, 85, 33-41.	1.3	5
30	Methyl jasmonate elicits the production of methyl (E)â€2â€hexenoate from (Z)â€2â€hexenol via (Z)â€2â€hexenal in Achyranthes bidentata plant. FEBS Letters, 2015, 589, 390-395.	2.8	4
31	Stereochemistry of Female-Specific Normonoterpenes, Sex Pheromone Candidates from the Acarid Mite,Tyreophagussp. (Astigmata: Acaridae). Bioscience, Biotechnology and Biochemistry, 2009, 73, 2332-2334.	1.3	3
32	Documenting the early stages of invasion ofMatthiola parvifloraand predicting its spread in North America. Southwestern Naturalist, 2014, 59, 47-55.	0.1	2
33	Studies on chemical ecology of the heteropteran scent gland components. Japanese Journal of Pesticide Science, 2015, 40, 152-156.	0.0	0
34	Formation of taste-active pyroglutamyl peptide ethyl esters in sake by rice koji peptidases. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1476-1484.	1.3	0
35	Chemical ecology of true bugs - Episodes of true bugsâ€™ odors. Journal of Japan Association on Odor Environment, 2021, 52, 267-274.	0.0	0