Aldo Tava

List of Publications by Year
in descending order

131	3,435	147566	182168
papers	citations	31	51
		h-index	g-index

133	133	133	4032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plant Biostimulants in Sustainable Potato Production: an Overview. Potato Research, 2022, 65, 83-104.	1.2	17
2	Rare fatty acids and lipids in plant oilseeds: occurrence and bioactivity. Phytochemistry Reviews, 2022, 21, 401-428.	3.1	13
3	Biologically active compounds from forage plants. Phytochemistry Reviews, 2022, 21, 471-501.	3.1	8
4	Chemical Identification of Specialized Metabolites from Sulla (Hedysarum coronarium L.) Collected in Southern Italy. Molecules, 2021, 26, 4606.	1.7	12
5	CRISPR/Cas9-Mediated Targeted Mutagenesis of CYP93E2 Modulates the Triterpene Saponin Biosynthesis in Medicago truncatula. Frontiers in Plant Science, 2021, 12, 690231.	1.7	19
6	Fruit and Vegetable Wholesale Market Waste: Safety and Nutritional Characterisation for Their Potential Re-Use in Livestock Nutrition. Sustainability, 2021, 13, 9478.	1.6	12
7	Phytochemical Characterization and In Vitro Antioxidant Properties of Four Brassica Wild Species from Italy. Molecules, 2020, 25, 3495.	1.7	17
8	Microalgae from Biorefinery as Potential Protein Source for Siberian Sturgeon (A. baerii) Aquafeed. Sustainability, 2020, 12, 8779.	1.6	19
9	Identification of the Volatile Components of Galium verum L. and Cruciata leavipes Opiz from the Western Italian Alps. Molecules, 2020, 25, 2333.	1.7	8
10	From a Food Safety Prospective: The Role of Earthworms as Food and Feed in Assuring Food Security and in Valuing Food Waste. Insects, 2020, 11, 293.	1.0	16
11	Combined Effects of Dewatering, Composting and Pelleting to Valorize and Delocalize Livestock Manure, Improving Agricultural Sustainability. Agronomy, 2020, 10, 661.	1.3	15
12	Activity of Saponins from Medicago Species against Phytoparasitic Nematodes. Plants, 2020, 9, 443.	1.6	26
13	Triterpenic saponins from Medicago marina L. Phytochemistry, 2020, 174, 112333.	1.4	9
14	In Vitro Anthelmintic Activity of Saponins from Medicago spp. Against Sheep Gastrointestinal Nematodes. Molecules, 2020, 25, 242.	1.7	28
15	Nutrientsâ€™ and Antinutrientsâ€™ Seed Content in Common Bean (Phaseolus vulgaris L.) Lines Carrying Mutations Affecting Seed Composition. Agronomy, 2019, 9, 317.	1.3	11
16	Characterization and Antioxidant Activity of Essential Oil of Four Sympatric Orchid Species. Molecules, 2019, 24, 3878.	1.7	23
17	Valorization of Vineyard By-Products to Obtain Composted Digestate and Biochar Suitable for Nursery Grapevine (Vitis vinifera L.) Production. Agronomy, 2019, 9, 420.	1.3	27
18	Phenolic Content and Antioxidant Activity in Trifolium Germplasm from Different Environments. Molecules, 2019, 24, 298.	1.7	19

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19	Microalgal Biostimulants and Biofertilisers in Crop Productions. Agronomy, 2019, 9, 192.	1.3	261
20	In Vitro Anthelmintic Activity of Saponins Derived from Medicago spp. Plants against Donkey Gastrointestinal Nematodes. Veterinary Sciences, 2019, 6, 35.	0.6	16
21	Overexpression of MtTdp2Î± (tyrosyl-DNA phosphodiesterase 2) gene confers salt tolerance in transgenic Medicago truncatula. Plant Cell, Tissue and Organ Culture, 2019, 137, 157-172.	1.2	6
22	In Vitro Assessment of the Antioxidant Properties of Aqueous Byproduct Extracts of Vitis vinifera. Food Technology and Biotechnology, 2019, 57, 29-38.	0.9	4
23	Characterization of the Essential oil of the Bat-Pollinated Passiflora mucronata. Natural Product Communications, 2018, 13, 1934578X1801301.	0.2	1
24	Composition of Volatile Fraction from Inflorescences and Leaves of Dendrobium moschatum (Orchidaceae). Natural Product Communications, 2018, 13, 1934578X1801300.	0.2	4
25	Essential Oil Composition of Roots of Heracleum candicans Wall. Cultivated in Nursery. Journal of Essential Oil-bearing Plants: JEOP, 2018, 21, 1056-1061.	0.7	0
26	Artefact formation during acid hydrolysis of saponins from Medicago spp.. Phytochemistry, 2017, 138, 116-127.	1.4	26
27	The major Boswellia serrata active 3-acetyl-11-keto-Î²-boswellic acid strengthens interleukin-1Î± upregulation of matrix metalloproteinase-9 via JNK MAP kinase activation. Phytomedicine, 2017, 36, 176-182.	2.3	14
28	Variability in volatile composition of Skimmia anquetilia N.P. Taylor & Airyshaw. Journal of Essential Oil-bearing Plants: JEOP, 2017, 20, 1167-1171.	0.7	2
29	Volatile Composition of Underground Parts of Angelica glauca Edgew. from Two Distant Populations of India. Journal of Essential Oil-bearing Plants: JEOP, 2017, 20, 851-854.	0.7	2
30	Volatile oil features of a naturalized population of parsley [Petroselinum crispum(Mill) Nyman] suitable for breeding. Journal of Essential Oil Research, 2017, 29, 240-247.	1.3	2
31	Genome-Wide Association Mapping and Genomic Selection for Alfalfa (Medicago sativa) Forage Quality Traits. PLoS ONE, 2017, 12, e0169234.	1.1	103
32	Activity of Saponins from Medicago species Against HeLa and MCF-7 Cell Lines and their Capacity to Potentiate Cisplatin Effect. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 1508-1518.	0.9	24
33	Chemical Characterization of the Volatiles of Leaves and Flowers from Cultivated Malva sylvestris var. mauritiana and their Antimicrobial Activity Against the Aetiological Agents of the European and American Foulbrood of Honeybees (Apis mellifera). Natural Product Communications, 2016, 11, 1934578X1601101.	0.2	7
34	Chemical Profile, Antioxidant and Antibacterial Activities of Achillea moschata Wulfen, an Endemic Species from the Alps. Molecules, 2016, 21, 830.	1.7	28
35	Volatile Composition of Underground Parts ofTanacetum longifoliumWallich ex DC.. Journal of Essential Oil-bearing Plants: JEOP, 2016, 19, 506-509.	0.7	1
36	Essential oil composition of bark and leaves ofCinammoum verumBertch. & Presl from Mizoram, North East India. Journal of Essential Oil Research, 2016, 28, 551-556.	1.3	15

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37	Variation in the essential oil composition of Angelica archangelica from three different altitudes in Western Himalaya, India. Industrial Crops and Products, 2016, 94, 401-404.	2.5	22
38	Isoflavone Content in Subterranean Clover Germplasm from Sardinia. Chemistry and Biodiversity, 2016, 13, 1038-1045.	1.0	9
39	Screening of saponins and sapogenins from Medicago species as potential PPARÎ³ agonists and X-ray structure of the complex PPARÎ³/caulophyllogenin. Scientific Reports, 2016, 6, 27658.	1.6	17
40	Variation in Herbage Biochemical Composition among Pitch Trefoil (Bituminaria bituminosa) Populations from Elba Island, Italy. Journal of Agricultural and Food Chemistry, 2016, 64, 195-203.	2.4	6
41	Clovamide and Flavonoids from Leaves of Trifolium pratense and T. pratense subsp. nivale Grown in Italy. Natural Product Communications, 2015, 10, 1934578X1501000.	0.2	8
42	Cell wall integrity, genotoxic injury and PCD dynamics in alfalfa saponin-treated white poplar cells highlight a complex link between molecule structure and activity. Phytochemistry, 2015, 111, 114-123.	1.4	10
43	CYP72A67 Catalyzes a Key Oxidative Step in Medicago truncatula Hemolytic Saponin Biosynthesis. Molecular Plant, 2015, 8, 1493-1506.	3.9	67
44	Sapogenin content variation in <scp>M</scp>edicago interâ€specific hybrid derivatives highlights some aspects of saponin synthesis and control. New Phytologist, 2015, 206, 303-314.	3.5	20
45	Clovamide and Flavonoids from Leaves of Trifolium pratense and T. pratense subsp. nivale Grown in Italy. Natural Product Communications, 2015, 10, 933-6.	0.2	9
46	Variability in the Essential Oil Composition ofSelinum vaginatumC.B. Clarke. (Apiaceae) in North-West Himalaya, India. Journal of Essential Oil-bearing Plants: JEOP, 2014, 17, 906-910.	0.7	5
47	Essential oil composition from leaves ofHeracleum candicansWall.: a sustainable method for extraction. Journal of Essential Oil Research, 2014, 26, 130-132.	1.3	6
48	Triterpenoid Glycosides from Medicago sativa as Antifungal Agents against Pyricularia oryzae. Journal of Agricultural and Food Chemistry, 2014, 62, 11030-11036.	2.4	42
49	Analysis of Cyanolipids from Sapindaceae Seed Oils by Gas Chromatographyâ€“Elâ€Mass Spectrometry. Lipids, 2014, 49, 335-345.	0.7	6
50	Influence of drying, storage and distillation times on essential oil yield and composition of anise hyssop [Agastache foeniculum(Pursh.) Kuntze]. Journal of Essential Oil Research, 2014, 26, 177-184.	1.3	38
51	White Poplar (Populus alba L.) Suspension Cultures as a Model System to Study Apoptosis Induced by Alfalfa Saponins. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 1324-1331.	0.9	8
52	The protein quality control system manages plant defence compound synthesis. Nature, 2013, 504, 148-152.	13.7	99
53	Antimicrobial and phytochemical properties of stem bark extracts from Piptadeniastrum africanum (Hook f.) Brenan. Industrial Crops and Products, 2013, 43, 612-616.	2.5	19
54	Physiological and morphological traits associated with adaptation of lucerne (Medicago) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td 162, 27-40.	1.3	35

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55	Genetic reduction of antinutrients in common bean (Phaseolus vulgaris L.) seed, increases nutrients and in vitro iron bioavailability without depressing main agronomic traits. Field Crops Research, 2013, 141, 27-37.	2.3	43
56	Characterization of Two Agrostisâ€“Festuca Alpine Pastures and Their Influence on Cheese Composition. Journal of Agricultural and Food Chemistry, 2013, 61, 447-455.	2.4	14
57	Volatile Constituents of Trifolium pratense spp. nivale Quantified at Different Growth Stages, and Evaluation of their Antimicrobial Activity. Natural Product Communications, 2013, 8, 1934578X1300801.	0.2	8
58	Essential oil composition ofMorina longifoliaWall. ex DC. from the Himalayan region. Journal of Essential Oil Research, 2012, 24, 461-463.	1.3	3
59	Characterization of the volatile fraction ofNigritella nigra(L.) Rchb. F. (Orchidaceae), a rare species from the Central Alps. Journal of Essential Oil Research, 2012, 24, 39-44.	1.3	6
60	Variation in Terpene and Linear-Chain Hydrocarbon Content in Yarrow (Achillea millefoliumL.) Germplasm from the Rhaetian Alps, Italy. Chemistry and Biodiversity, 2012, 9, 2282-2294.	1.0	7
61	Essential Oil Composition of Underground Parts ofSelinum candolliiDC. and their Possible Uses. Journal of Essential Oil-bearing Plants: JEOP, 2012, 15, 864-867.	0.7	3
62	Hydrocarbon and Fatty Acid Composition of Cheese As Affected by the Pasture Vegetation Type. Journal of Agricultural and Food Chemistry, 2012, 60, 299-308.	2.4	31
63	Anti-nutrient components and metabolites with health implications in seeds of 10 common bean (Phaseolus vulgaris L. and Phaseolus lunatus L.) landraces cultivated in southern Italy. Journal of Food Composition and Analysis, 2012, 26, 72-80.	1.9	45
64	Chemical Investigation of Saponins from Twelve Annual Medicago Species and their Bioassay with the Brine Shrimp Artemia salina. Natural Product Communications, 2012, 7, 1934578X1200700.	0.2	14
65	Chemical Composition of the Volatile Oil from the Roots of Selinum tenuifoliumWall.. Helvetica Chimica Acta, 2012, 95, 780-787.	1.0	14
66	Determination of the Volatile Fraction of Polygonum bistorta L. at Different Growing Stages and Evaluation of Its Antimicrobial Activity against Two Major Honeybee (Apis mellifera) Pathogens. Chemistry and Biodiversity, 2012, 9, 359-369.	1.0	19
67	Chemical investigation of saponins from twelve annual Medicago species and their bioassay with the brine shrimp Artemia salina. Natural Product Communications, 2012, 7, 837-40.	0.2	13
68	Triterpenoid Glycosides from the Leaves of Two Cultivars of Medicago polymorpha L.. Journal of Agricultural and Food Chemistry, 2011, 59, 6142-6149.	2.4	34
69	Essential Oil Composition ofHypericum perforatumL. from Cultivated Source. Journal of Essential Oil Research, 2011, 23, 20-25.	1.3	9
70	Volatile Constituents of Festuca nigrescens, Phleum alpinum and Poa alpina from N.W. Italian Alpine Pastures. Natural Product Communications, 2011, 6, 1934578X1100600.	0.2	4
71	CONTROL OF ROOT-KNOT NEMATODES WITH BIOMASSES FROM ALFALFA (MEDICAGO SATIVA L.) AND THEIR BIOACTIVE SAPONINS. Acta Horticulturae, 2011, , 225-228.	0.1	4
72	Cell death induction and nitric oxide biosynthesis in white poplar (Populus alba) suspension cultures exposed to alfalfa saponins. Physiologia Plantarum, 2011, 141, 227-238.	2.6	26

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73	Biosynthesis of saponins in the genus Medicago. Phytochemistry Reviews, 2011, 10, 459-469.	3.1	55
74	Control of plant parasitic nematodes with active saponins and biomass from Medicago sativa. Phytochemistry Reviews, 2011, 10, 503-519.	3.1	79
75	Collection of mutants for functional genomics in the legume Medicago truncatula. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 174-176.	0.4	5
76	Medicago truncatula CYP716A12 Is a Multifunctional Oxidase Involved in the Biosynthesis of Hemolytic Saponins. Plant Cell, 2011, 23, 3070-3081.	3.1	190
77	Unraveling the response of plant cells to cytotoxic saponins. Plant Signaling and Behavior, 2011, 6, 516-519.	1.2	14
78	Volatile constituents of Festuca nigrescens, Phleum alpinum and Poa alpina from N. W. Italian Alpine pastures. Natural Product Communications, 2011, 6, 101-5.	0.2	4
79	USE OF PELLETED MEDICAGO SATIVA MEAL FOR THE CONTROL OF ROOT-KNOT AND CYST NEMATODES. Acta Horticulturae, 2010, , 303-308.	0.1	3
80	Chemical composition of capillene chemotype of Artemisia dracunculus L. from North-West Himalaya, India. Industrial Crops and Products, 2010, 31, 546-549.	2.5	30
81	Variation in saponin content during the growing season of spotted medic [Medicago arabica (L.) Huds.]. Journal of the Science of Food and Agriculture, 2010, 90, 2405-2410.	1.7	30
82	Volatile Components of Two Endemic Species from the Apuan Alps (Tuscany, Italy), Centaurea Arachnoidea and C. Montis-Borlae (Asteraceae). Natural Product Communications, 2010, 5, 1934578X1000500.	0.2	0
83	Volatile Constituents ofCentaurea paniculataSubsp.careulianaandC. rupestriss.l. (Asteraceae) From Mt. Ferrato (Tuscany, Italy). Journal of Essential Oil Research, 2010, 22, 223-227.	1.3	8
84	Essential Oil Composition from Aerial Parts ofMentha spicataL.. Journal of Essential Oil-bearing Plants: JEOP, 2010, 13, 353-356.	0.7	5
85	Volatile Constituents of Trifolium Pratense and T. Repens from N.E. Italian Alpine Pastures. Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	5
86	Nematicidal potential of materials from Medicago spp.. European Journal of Plant Pathology, 2009, 125, 39-49.	0.8	22
87	Enhanced triterpene saponin biosynthesis and root nodulation in transgenic barrel medic (Medicago truncatula Gaertn.) expressing a novel Î²â€amyrin synthase (AsOXA1) gene. Plant Biotechnology Journal, 2009, 7, 172-182.	4.1	57
88	New Triterpenic Saponins from the Aerial Parts of Medicago arabica (L.) Huds. Journal of Agricultural and Food Chemistry, 2009, 57, 2826-2835.	2.4	41
89	Essential oil composition of lady's mantle (Alchemilla xanthochloraRothm.) growing wild in Alpine pastures. Natural Product Research, 2009, 23, 1367-1372.	1.0	11
90	Essential Oil Composition ofPotentilla grandifloraL. From Western Alpine Pastures. Journal of Essential Oil Research, 2009, 21, 549-552.	1.3	5

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91	Evaluation of nematicidal properties of saponins from Medicago spp.. European Journal of Plant Pathology, 2008, 120, 189-197.	0.8	55
92	Molecular characterization of Î²-amyrin synthase from Aster sedifolius L. and triterpenoid saponin analysis. Plant Science, 2008, 175, 255-261.	1.7	32
93	Essential Oil Composition ofAlchemilla alpinaL. em. Buser from Western Alpine Pastures. Journal of Essential Oil Research, 2008, 20, 542-545.	1.3	7
94	Crystal structure of the anticarcinogenic Bowmanâ€“Birk inhibitor from snail medic (Medicago) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.3	11
95	Secondary metabolites in grasses: characterization and biological activity. Italian Journal of Agronomy, 2007, 2, 441.	0.4	0
96	Volatile compounds from leaves and flowers ofBituminaria bituminosa (L.) Stirt. (Fabaceae) from Italy. Flavour and Fragrance Journal, 2007, 22, 363-370.	1.2	32
97	Variation in forage quality and chemical composition among Italian accessions ofBituminaria bituminosa (L.) Stirt.. Journal of the Science of Food and Agriculture, 2007, 87, 985-991.	1.7	30
98	Triterpene Saponins from the Roots ofMedicago hybrida. Journal of Agricultural and Food Chemistry, 2006, 54, 2520-2526.	2.4	33
99	Chemical and Biological Activity of Triterpene Saponins from Medicago Species. Natural Product Communications, 2006, 1, 1934578X0600101.	0.2	32
100	Oestrogenic Isoflavone Content in Natural Strains of Subterranean Clover (Trifolium subterraneum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	1
101	Antimicrobial activity of saponins fromMedicago sp.: structure-activity relationship. Phytotherapy Research, 2006, 20, 454-457.	2.8	178
102	Variety and environment effects on the dynamics of saponins in lucerne (Medicago sativa L.). European Journal of Agronomy, 2006, 25, 187-192.	1.9	49
103	Specificity of Hostâ€Endophyte Association in Tall Fescue Populations from Sardinia, Italy. Crop Science, 2005, 45, 1456-1463.	0.8	40
104	Triterpenoid Glycosides from Leaves ofMedicago arboreaL.. Journal of Agricultural and Food Chemistry, 2005, 53, 9954-9965.	2.4	47
105	Expression of the Stilbene Synthase (StSy) Gene from Grapevine in Transgenic White Poplar Results in High Accumulation of the Antioxidant Resveratrol Glucosides. Transgenic Research, 2004, 13, 203-214.	1.3	81
106	Triterpene Saponins from Aerial Parts ofMedicago arabicaL.. Journal of Agricultural and Food Chemistry, 2004, 52, 1095-1099.	2.4	38
107	A trypsin inhibitor cDNA from a novel source, snail medic (Medicago scutellata L.): cloning and functional expression in response to wounding, herbivore, jasmonic and salicylic acid. Plant Science, 2004, 167, 337-346.	1.7	11
108	Stability of Saponins in Alcoholic Solutions:Â Ester Formation as Artifacts. Journal of Agricultural and Food Chemistry, 2003, 51, 1797-1800.	2.4	24

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109	Flavonoids from Pinus sylvestris needles and their variation in trees of different origin grown for nearly a century at the same area. Biochemical Systematics and Ecology, 2002, 30, 1011-1022.	0.6	37
110	Coumarin-Containing Grass: Volatiles from Sweet Vernalgrass (Anthoxanthum odoratumL.). Journal of Essential Oil Research, 2001, 13, 367-370.	1.3	17
111	A comparison between two systems of volatile sampling in flowers of alfalfa (Medicago sativa L.). Phytochemical Analysis, 2000, 11, 148-152.	1.2	9
112	Spectrophotometer-aided evaluation of cyanogenic potential in white clover (Trifolium repens L.). , 2000, 11, 169-173.		6
113	Effect of Flower Color and Sampling Time on Volatile Emanation in Alfalfa Flowers. Crop Science, 2000, 40, 126-130.	0.8	12
114	Essential oil composition ofMentha xpiperita L. from different environments of north India. Flavour and Fragrance Journal, 1999, 14, 5-8.	1.2	18
115	Aroma of Cooked Rice (Oryza sativa): Comparison Between Commercial Basmati and Italian Line B5-3. Cereal Chemistry, 1999, 76, 526-529.	1.1	33
116	Partial Composition ofParthenium hysterophorusOil from the Jammu Region of India. Journal of Essential Oil Research, 1998, 10, 153-155.	1.3	3
117	Antimicrobial Activity of Polyacetylenes fromBellis perennisand their Synthetic Derivatives. Planta Medica, 1997, 63, 503-507.	0.7	47
118	Composition ofCymbopogon pendulus(Nees ex Steud) Wats, an Elemicin-rich Oil Grass Grown in Jammu Region of India. Journal of Essential Oil Research, 1997, 9, 561-563.	1.3	13
119	A trypsin inhibitor from snail medic seeds active against pest proteases. Phytochemistry, 1997, 44, 393-398.	1.4	15
120	Volatiles from Medicago sativa complex flowers. Phytochemistry, 1997, 45, 1145-1148.	1.4	22
121	Isomeric composition of the ester fraction from epicuticular waxes ofFestuca arundinacea Schreb. Journal of High Resolution Chromatography, 1996, 19, 43-48.	2.0	5
122	Saponins from Medicago SPP.: Chemical Characterization and Biological Activity Against Insects. Advances in Experimental Medicine and Biology, 1996, 405, 97-109.	0.8	43
123	Essential Oil Composition ofAgeratum houstonianumMill. from Jammu Region of India. Journal of Essential Oil Research, 1996, 8, 129-134.	1.3	9
124	Acetylenes and terpenoids of Bellis perennis. Phytochemistry, 1995, 40, 141-147.	1.4	27
125	Cultivar Differences and Seasonal Changes of Primary Metabolites and Flavor Constituents in Tall Fescue in Relation to Palatability. Journal of Agricultural and Food Chemistry, 1995, 43, 98-101.	2.4	21
126	Chemical structure of long-chain esters from â€œsansaâ€•olive oil. JAOCS, Journal of the American Oil Chemists' Society, 1994, 71, 365-369.	0.8	21

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127	Essential Oil Composition of ThreeCymbopogonSpecies of Indian Thar Desert. Journal of Essential Oil Research, 1993, 5, 639-643.	1.3	16
128	Isolation and identification for trans-4-(methylthio)-3-butenyl glucosinolate from radish roots (Raphanus sativus L.). Journal of Agricultural and Food Chemistry, 1992, 40, 1687-1691.	2.4	106
129	Composition of essential oil of tall fescue. Phytochemistry, 1991, 30, 1455-1458.	1.4	18
130	Synthesis of (2R)-(+)-2,3-Dihydro-2,6-dimethyl-4H-pyran-4-one, a Homologue of Pheromones of a Species in the Hepialidae Family. Agricultural and Biological Chemistry, 1987, 51, 2001-2002.	0.3	16
131	Asymmetric Syntheses. Part III. Synthesis of (2R)-(+)-2,3-dihydro-2,6-dimethyl-4H-pyran-4-one, a homologue of pheromones of a species in the hepialidae family.. Agricultural and Biological Chemistry, 1987, 51, 2001-2002.	0.3	114