Armando Zarrelli

List of Publications by Year in descending order

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139 papers 3,384 citations

32 h-index 232693 48 g-index

146 all docs

146 docs citations

146 times ranked 4761 citing authors

#	Article	IF	CITATIONS
1	Phenanthrene Dimers: Promising Source of Biologically Active Molecules. Current Topics in Medicinal Chemistry, 2022, 22, 939-956.	1.0	4
2	Phosphodiester Silybin Dimers Powerful Radical Scavengers: A Antiproliferative Activity on Different Cancer Cell Lines. Molecules, 2022, 27, 1702.	1.7	О
3	Known or Never before Identified Phenanthrenes: Where It Is Possible to Isolate Them and Why. Chemistry and Biodiversity, 2022, , .	1.0	O
4	Silybins inhibit human IAPP amyloid growth and toxicity through stereospecific interactions. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2022, 1870, 140772.	1.1	10
5	Silybins are stereospecific regulators of the 20S Proteasome. Bioorganic and Medicinal Chemistry, 2022, 66, 116813.	1.4	3
6	Plants as Biofactories to Produce Food, Medicines, and Materials for a True Green Revolution. International Journal of Molecular Sciences, 2022, 23, 5827.	1.8	1
7	Environmental Fate of Organic Sunscreens during Water Disinfection Processes: The Formation of Degradation By-Products and Their Toxicological Profiles. Molecules, 2022, 27, 4467.	1.7	3
8	Macro and trace element mineral composition of six hemp varieties grown as microgreens. Journal of Food Composition and Analysis, 2022, 114, 104750.	1.9	5
9	Olive Wastes as a High-Potential by-Product: Variability of Their Phenolic Profiles, Antioxidant and Phytotoxic Properties. Waste and Biomass Valorization, 2021, 12, 3657-3669.	1.8	11
10	Oxidation of diclofenac in water by sodium hypochlorite: Identification of new degradation by-products and their ecotoxicological evaluation. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113762.	1.4	16
11	LC and NMR Studies for Identification and Characterization of Degradation Byproducts of Olmesartan Acid, Elucidation of Their Degradation Pathway and Ecotoxicity Assessment. Molecules, 2021, 26, 1769.	1.7	3
12	Shifts in soil chemical and microbial properties across forest chronosequence on recent volcanic deposits. Applied Soil Ecology, 2021, 161, 103880.	2.1	2
13	Sartans: What they are for, how they degrade, where they are found and how they transform. Sustainable Chemistry and Pharmacy, 2021, 20, 100409.	1.6	11
14	Ontogenetic Variation in the Mineral, Phytochemical and Yield Attributes of Brassicaceous Microgreens. Foods, 2021, 10, 1032.	1.9	14
15	Secondary Effects of Hypochlorite Treatment on the Emerging Pollutant Candesartan: The Formation of Degradation Byproducts and Their Toxicological Profiles. Molecules, 2021, 26, 3422.	1.7	2
16	Complete Characterization of Degradation Byproducts of Olmesartan Acid, Degradation Pathway, and Ecotoxicity Assessment. Applied Sciences (Switzerland), 2021, 11, 5393.	1.3	1
17	Solid-phase synthesis of curcumin mimics and their anticancer activity against human pancreatic, prostate, and colorectal cancer cell lines. Bioorganic and Medicinal Chemistry, 2021, 42, 116249.	1.4	5
18	Productive and Morphometric Traits, Mineral Composition and Secondary Metabolome Components of Borage and Purslane as Underutilized Species for Microgreens Production. Horticulturae, 2021, 7, 211.	1.2	19

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19	Amoxicillin in Water: Insights into Relative Reactivity, Byproduct Formation, and Toxicological Interactions during Chlorination. Applied Sciences (Switzerland), 2021, 11, 1076.	1.3	7
20	Investigation on the solid-phase synthesis of silybin prodrugs and their timed-release. Bioorganic and Medicinal Chemistry, 2021, 50, 116478.	1.4	1
21	Cytotoxicity of an Innovative Pressurised Cyclic Solid–Liquid (PCSL) Extract from Artemisia annua. Toxins, 2021, 13, 886.	1.5	2
22	Disinfection by-products and ecotoxic risk associated with hypochlorite treatment of irbesartan. Science of the Total Environment, 2020, 712, 135625.	3.9	25
23	Synthesis of new riboflavin modified ODNs: Effect of riboflavin moiety on the G-quadruplex arrangement and stability. Bioorganic Chemistry, 2020, 104, 104213.	2.0	0
24	Modulating $\hat{A^2}$ aggregation by tyrosol-based ligands: The crucial role of the catechol moiety. Biophysical Chemistry, 2020, 265, 106434.	1.5	19
25	Trehalose Conjugates of Silybin as Prodrugs for Targeting Toxic AÎ 2 Aggregates. ACS Chemical Neuroscience, 2020, 11, 2566-2576.	1.7	20
26	Peracetic Acid vs. Sodium Hypochlorite: Degradation and Transformation of Drugs in Wastewater. Molecules, 2020, 25, 2294.	1.7	19
27	Selenium Biofortification Impacts the Nutritive Value, Polyphenolic Content, and Bioactive Constitution of Variable Microgreens Genotypes. Antioxidants, 2020, 9, 272.	2.2	67
28	Silymarin from Silybum marianum by Naviglio's extractor: a new and very efficient approach. Natural Product Research, 2019, 35, 1-7.	1.0	7
29	Optimisation of artemisinin and scopoletin extraction from Artemisia annua with a new modern pressurised cyclic solid–liquid (PCSL) extraction technique. Phytochemical Analysis, 2019, 30, 564-571.	1.2	9
30	Impact of foliar potassium fertilization on biochemical composition and antioxidant activity of fig (Ficus carica L.). Scientia Horticulturae, 2019, 253, 111-119.	1.7	21
31	Novosphingobium sp. PP1Y as a novel source of outer membrane vesicles. Journal of Microbiology, 2019, 57, 498-508.	1.3	6
32	Hotoda's Sequence and Anti-HIV Activity: Where Are We Now?. Molecules, 2019, 24, 1417.	1.7	8
33	Disinfection by-Products and Ecotoxic Risk Associated with Hypochlorite Treatment of Tramadol. Molecules, 2019, 24, 693.	1.7	17
34	A New Class of Synthetic Flavonolignan-Like Dimers: Still Few Molecules, but with Attractive Properties. Molecules, 2019, 24, 108.	1.7	13
35	Silibinin phosphodiester glyco-conjugates: Synthesis, redox behaviour and biological investigations. Bioorganic Chemistry, 2018, 77, 349-359.	2.0	17
36	Evaluation of new strategies to reduce the total content of \hat{l}_{\pm} -solanine and \hat{l}_{\pm} -chaconine in potatoes. Phytochemistry Letters, 2018, 23, 116-119.	0.6	12

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37	New findings on the d(TGGGAG) sequence: Surprising anti-HIV-1 activity. European Journal of Medicinal Chemistry, 2018, 145, 425-430.	2.6	11
38	Litter Inhibitory Effects on Soil Microbial Biomass, Activity, and Catabolic Diversity in Two Paired Stands of Robinia pseudoacacia L. and Pinus nigra Arn Forests, 2018, 9, 766.	0.9	11
39	Short-term supplementation with flavanol-rich cocoa improves lipid profile, antioxidant status and positively influences the AA/EPA ratio in healthy subjects. Journal of Nutritional Biochemistry, 2018, 61, 33-39.	1.9	43
40	Synthesis of β-l-2′-Fluoro-3′-thiacytidine (F-3TC) Stereoisomers: Toward a New Class of Oxathiolanyl Nucleosides?. Synthesis, 2017, 49, 998-1008.	1.2	3
41	New phosphorylating reagents for deoxyribonucleosides and oligonucleotides. Tetrahedron Letters, 2017, 58, 1227-1229.	0.7	3
42	Pioppino mushroom in southern Italy: an undervalued source of nutrients and bioactive compounds. Journal of the Science of Food and Agriculture, 2017, 97, 5388-5397.	1.7	19
43	Inhibition of $\hat{Al^2}$ Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry. ACS Chemical Neuroscience, 2017, 8, 1767-1778.	1.7	72
44	Traditional uses, chemical composition and biological activities of <i> Sideritis raeseri </i> Boiss. & amp; Heldr Journal of the Science of Food and Agriculture, 2017, 97, 373-383.	1.7	26
45	Phosphate-Linked Silibinin Dimers (PLSd): New Promising Modified Metabolites. Molecules, 2017, 22, 1323.	1.7	21
46	Polyphenolic Profile and Targeted Bioactivity of Methanolic Extracts from Mediterranean Ethnomedicinal Plants on Human Cancer Cell Lines. Molecules, 2016, 21, 395.	1.7	25
47	Is Stevia rebaudiana Bertoni a Non Cariogenic Sweetener? A Review. Molecules, 2016, 21, 38.	1.7	74
48	Chemical and organoleptic characteristics of tomato pur \tilde{A} ©e enriched with lyophilized tomato pomace. Journal of the Science of Food and Agriculture, 2016, 96, 1953-1958.	1.7	21
49	Toxin levels in different variety of potatoes: Alarming contents of \hat{l}_{\pm} -chaconine. Phytochemistry Letters, 2016, 16, 103-107.	0.6	19
50	Tryptophan and tryptophan-like substances in cloud water: Occurrence and photochemical fate. Atmospheric Environment, 2016, 137, 53-61.	1.9	25
51	Dietary phytochemicals and neuro-inflammaging: from mechanistic insights to translational challenges. Immunity and Ageing, 2016, 13, 16.	1.8	90
52	Kinetic ESI-MS Studies of Potent Anti-HIV Aptamers Based on the G-Quadruplex Forming Sequence d(TGGGAG). ACS Medicinal Chemistry Letters, 2016, 7, 256-260.	1.3	16
53	Protein tyrosine phosphatase 1B inhibitors isolated from <i>Artemisia roxburghiana</i> Iournal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 563-567.	2.5	24
54	Bioactive Compounds of Aristotelia chilensis Stuntz and their Pharmacological Effects. Current Pharmaceutical Biotechnology, 2016, 17, 513-523.	0.9	24

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55	Fat Quality Influences the Obesogenic Effect of High Fat Diets. Nutrients, 2015, 7, 9475-9491.	1.7	40
56	Determination of the <i>In Vitro </i> and <i>In Vivo </i> Antimicrobial Activity on Salivary Streptococci and Lactobacilli and Chemical Characterisation of the Phenolic Content of a <i>Plantago lanceolata </i> Infusion. BioMed Research International, 2015, 2015, 1-8.	0.9	39
57	Valle Agricola lentil, an unknown lentil (Lens culinaris Medik.) seed from Southern Italy as a novel antioxidant and prebiotic source. Food and Function, 2015, 6, 3155-3164.	2.1	15
58	Synthesis of New Silybin Derivatives and Evaluation of Their Antioxidant Properties. Helvetica Chimica Acta, 2015, 98, 399-409.	1.0	8
59	A Randomized Clinical Trial Evaluating the Efficacy of an Anthocyanin–Maqui Berry Extract (Delphinol®) on Oxidative Stress Biomarkers. Journal of the American College of Nutrition, 2015, 34, 28-33.	1.1	117
60	Hairpin oligonucleotides forming G-quadruplexes: New aptamers with anti-HIV activity. European Journal of Medicinal Chemistry, 2015, 89, 51-58.	2.6	27
61	Gymnema sylvestre R. Br., an Indian Medicinal Herb: Traditional Uses, Chemical Composition, and Biological Activity. Current Pharmaceutical Biotechnology, 2015, 16, 506-516.	0.9	24
62	Silybin-Phosphatidylcholine Complex Protects Human Gastric and Liver Cells from Oxidative Stress. In Vivo, 2015, 29, 569-75.	0.6	18
63	History of Gymnemic acid, a Molecule that does not Exist. Natural Product Communications, 2014, 9, 1934578X1400901.	0.2	5
64	Synthesis, biophysical characterization and anti-HIV activity of d(TG3AG) Quadruplexes bearing hydrophobic tails at the 5′-end. Bioorganic and Medicinal Chemistry, 2014, 22, 960-966.	1.4	23
65	Ecotoxicological evaluation of caffeine and its derivatives from a simulated chlorination step. Science of the Total Environment, 2014, 470-471, 453-458.	3.9	46
66	New silibinin glyco-conjugates: Synthesis and evaluation of antioxidant properties. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5147-5149.	1.0	21
67	Triterpenoids from Gymnema sylvestre and Their Pharmacological Activities. Molecules, 2014, 19, 10956-10981.	1.7	52
68	Isolation of lignans as seed germination and plant growth inhibitors from Mediterranean plants and chemical synthesis of some analogues. Phytochemistry Reviews, 2013, 12, 717-731.	3.1	12
69	Sildenafil and tadalafil in simulated chlorination conditions: Ecotoxicity of drugs and their derivatives. Science of the Total Environment, 2013, 463-464, 366-373.	3.9	10
70	Molecular insights to explore abietane diterpenes as new LOX inhibitors. Medicinal Chemistry Research, 2013, 22, 5809-5813.	1.1	14
71	New Acylated Oleanane and Lupane Triterpenes from <i>Gymnema sylvestre</i> . Helvetica Chimica Acta, 2013, 96, 2200-2206.	1.0	9
72	Microwave-assisted oxidation of silibinin: a simple and preparative method for the synthesis of improved radical scavengers. Tetrahedron Letters, 2013, 54, 6279-6282.	0.7	11

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73	Phytotoxic activity of Cleome arabica L. and its principal discovered active compounds. South African Journal of Botany, 2013, 88, 341-351.	1.2	38
74	A mild approach to diarylfuranones via functionalized 2-arylfurans. Tetrahedron, 2013, 69, 4725-4730.	1.0	3
75	New Triterpenes from <i>Gymnema sylvestre</i> . Helvetica Chimica Acta, 2013, 96, 1036-1045.	1.0	16
76	A Rapid and Simple Chromatographic Separation of Diastereomers of Silibinin and Their Oxidation to Produce 2,3-Dehydrosilybin Enantiomers in an Optically Pure Form. Planta Medica, 2013, 79, 1077-1080.	0.7	25
77	Synthesis of Oligonucleotide Conjugates and Phosphorylated Nucleotide Analogues: An Improvement to a Solid Phase Synthetic Approach. Journal of Chemistry, 2013, 2013, 1-8.	0.9	0
78	C-4 Gem-Dimethylated Oleanes of Gymnema sylvestre and Their Pharmacological Activities. Molecules, 2013, 18, 14892-14919.	1.7	45
79	New Silybin Scaffold for Chemical Diversification: Synthesis of Novel 23-Phosphodiester Silybin Conjugates. Synlett, 2012, 24, 45-48.	1.0	11
80	Regiodivergent synthesis of trisubstituted furans through Tf2O-catalyzed Friedel–Crafts acylation: a tool for access to tetrahydrofuranlignan analogues. Organic and Biomolecular Chemistry, 2012, 10, 1219-1224.	1.5	11
81	A novel synthetic strategy for monosubstituted cyclodextrin derivatives. Chemical Communications, 2012, 48, 3875.	2.2	17
82	Chemical fate and genotoxic risk associated with hypochlorite treatment of nicotine. Science of the Total Environment, 2012, 426, 132-138.	3.9	29
83	Plant Polyphenols and Their Anti-Cariogenic Properties: A Review. Molecules, 2011, 16, 1486-1507.	1.7	244
84	Determination of photostability and photodegradation products of indomethacin in aqueous media. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 678-683.	1.4	22
85	New C-23 modified of silybin and 2,3-dehydrosilybin: Synthesis and preliminary evaluation of antioxidant properties. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4389-4392.	1.0	30
86	Lignans from Phillyrea angustifolia L Phytochemistry Letters, 2011, 4, 118-121.	0.6	20
87	Fatty Acids Released by Chlorella vulgaris and Their Role in Interference with Pseudokirchneriella subcapitata: Experiments and Modelling. Journal of Chemical Ecology, 2010, 36, 339-349.	0.9	69
88	A new aromatic component from <i>Oxalis pes-caprae</i> . Natural Product Research, 2010, 24, 958-961.	1.0	6
89	Antioxidant and Radical Scavenging Properties of <i>Malva Sylvestris</i> . Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	31
90	Phytotoxic Aromatic Constituents of <i>Oxalis pesâ€caprae</i> . Chemistry and Biodiversity, 2009, 6, 459-465.	1.0	15

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91	Structures of new phenylphenalene-related compounds from Eichhornia crassipes (water hyacinth). Tetrahedron, 2009, 65, 8206-8208.	1.0	18
92	Chemical Characterization of New Oxylipins from <i>Cestrum parqui</i> , and Their Effects on Seed Germination and Early Seedling Growth. Chemistry and Biodiversity, 2008, 5, 1780-1791.	1.0	12
93	Phenyl Cinnamate Derivatives from <i>Oxalis pesâ€caprae</i> . Chemistry and Biodiversity, 2008, 5, 2408-2414.	1.0	10
94	Revised structures of phenylphenalene derivatives from Eichhornia crassipes. Tetrahedron Letters, 2008, 49, 3268-3272.	0.7	15
95	Photochemical behaviour of musk tibetene. Environmental Science and Pollution Research, 2008, 15, 182-187.	2.7	12
96	TG, FT-IR and NMR characterization of n-C16H34 contaminated alumina and silica after mechanochemical treatment. Chemosphere, 2008, 70, 1068-1076.	4.2	8
97	Lignans by photo-oxidation of propenyl phenols. Photochemical and Photobiological Sciences, 2008, 7, 28-32.	1.6	17
98	Cinnamic Ester Derivatives from <i>Oxalis pes-caprae</i> (Bermuda Buttercup). Journal of Natural Products, 2007, 70, 1664-1667.	1.5	30
99	Phytotoxicity of Secondary Metabolites fromAptenia cordifolia. Chemistry and Biodiversity, 2007, 4, 118-128.	1.0	35
100	Lignans, neolignans and sesquilignans from Cestrum parqui l'Her Biochemical Systematics and Ecology, 2007, 35, 392-396.	0.6	26
101	Synthesis of dimeric phenylethanoids isolated from olive oil mill wastewaters. Natural Product Research, 2006, 20, 792-797.	1.0	2
102	Phenols and lignans from Chenopodium album. Phytochemical Analysis, 2006, 17, 344-349.	1.2	43
103	Terpenoids and phenol derivatives from Malva silvestris. Phytochemistry, 2006, 67, 481-485.	1.4	66
104	Cinnamic acid amides and lignanamides from Aptenia cordifolia. Tetrahedron, 2006, 62, 2877-2882.	1.0	44
105	Isolation of Seed Germination and Plant Growth Inhibitors from Mediterranean Plants: Their Potential Use as Herbicides. ACS Symposium Series, 2006, , 24-36.	0.5	3
106	Isolation and characterization of new lignans from the leaves of Cestrum parqui. Natural Product Research, 2006, 20, 293-298.	1.0	17
107	Structural characterization of phytotoxic terpenoids from Cestrum parqui. Phytochemistry, 2005, 66, 2681-2688.	1.4	39
108	Apteniols A–F, oxyneolignans from the leaves of Aptenia cordifolia. Tetrahedron, 2005, 61, 11924-11929.	1.0	17

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109	Structure Elucidation and Phytotoxicity of Ecdysteroids from Chenopodium album. Chemistry and Biodiversity, 2005, 2, 457-462.	1.0	19
110	C13 Norisoprenoids from Brassica Fruticulosa. Natural Product Research, 2005, 19, 99-103.	1.0	16
111	A new xyloside from Chenopodium album. Natural Product Research, 2005, 19, 87-90.	1.0	10
112	Dimeric phenanthrenoids from Juncus acutus. Natural Product Research, 2005, 19, 69-74.	1.0	10
113	Bioactivity of Phenanthrenes from Juncus acutus on Selenastrum capricornutum. Journal of Chemical Ecology, 2004, 30, 867-879.	0.9	35
114	Low-molecular-weight components of olive oil mill waste-waters. Phytochemical Analysis, 2004, 15, 184-188.	1.2	60
115	Chenoalbicin, a Novel Cinnamic Acid Amide Alkaloid from Chenopodium album. Chemistry and Biodiversity, 2004, 1, 1579-1583.	1.0	30
116	Low Molecular Weight Phenols from the Bioactive Aqueous Fraction of Cestrum parqui. Journal of Agricultural and Food Chemistry, 2004, 52, 4101-4108.	2.4	36
117	Isolation and Phytotoxicity of Apocarotenoids from Chenopodium album. Journal of Natural Products, 2004, 67, 1492-1495.	1.5	86
118	New dimeric phenanthrenoids from the rhizomes of Juncus acutus. Structure determination and antialgal activity. Tetrahedron, 2003, 59, 2317-2324.	1.0	41
119	Benzocoumarins from the rhizomes of Juncus acutus. Tetrahedron, 2003, 59, 4821-4825.	1.0	24
120	Cinnamic acid amides from Chenopodium album: effects on seeds germination and plant growth. Phytochemistry, 2003, 64, 1381-1387.	1.4	64
121	Lignans and Neolignans from Brassica fruticulosa:  Effects on Seed Germination and Plant Growth. Journal of Agricultural and Food Chemistry, 2003, 51, 6165-6172.	2.4	88
122	Synthesis of Degraded Cyanogenic Glycosides From Sambucus Nigra. Natural Product Research, 2003, 17, 177-181.	1.0	5
123	Solid-State Photodimerization of Steroid Enones. Journal of Organic Chemistry, 2002, 67, 9011-9015.	1.7	10
124	A new dimeric 9,10-dihydrophenanthrenoid from the rhizome of Juncus acutus. Tetrahedron Letters, 2002, 43, 2573-2575.	0.7	37
125	Phenanthrenoids from the wetland Juncus acutus. Phytochemistry, 2002, 60, 633-638.	1.4	48
126	Effect of ent-labdane diterpenes from Potamogetonaceae on Selenastrum capricornutum and other aquatic organisms. Journal of Chemical Ecology, 2002, 28, 1091-1102.	0.9	28

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127	Solid-State Photodimerization of Cholest-4-en-3-one. Journal of Organic Chemistry, 2001, 66, 2057-2060.	1.7	4
128	Antialgal furano-diterpenes from Potamogeton natans L Phytochemistry, 2001, 58, 299-304.	1.4	36
129	Potential allelochemicals from Sambucus nigra. Phytochemistry, 2001, 58, 1073-1081.	1.4	63
130	Lactone diterpenes from the aquatic plant Potamogeton natans. Phytochemistry, 2001, 56, 469-473.	1.4	32
131	Toxicity evaluation of natural and synthetic phenanthrenes in aquatic systems. Environmental Toxicology and Chemistry, 2001, 20, 1824-1830.	2.2	18
132	Synthesis and antialgal activity of dihydrophenanthrenes and phenanthrenes II: mimics of naturally occurring compounds in Juncus effusus. Journal of Chemical Ecology, 2001, 27, 257-271.	0.9	11
133	Two New Polyhydroxylated Sterols from Ruppia maritima. Natural Product Research, 2001, 15, 111-118.	0.4	6
134	Antialgal ent-labdane diterpenes from Ruppia maritima. Phytochemistry, 2000, 55, 909-913.	1.4	40
135	Dihydrophenanthrene and Phenanthrene Mimics of Natural Compounds—Synthesis and Antialgal Activity. Journal of Chemical Ecology, 2000, 26, 587-600.	0.9	12
136	Minor Bioactive Dihydrophenanthrenes from Juncus effusus. Journal of Natural Products, 1997, 60, 1265-1268.	1.5	26
137	Stratioside II - a C13 Norterpene Glucoside from <i>Pistia stratiotes</i> . Natural Product Research, 1996, 8, 83-86.	0.4	4
138	Effusides I-V: 9,10-dihydrophenanthrene glucosides from Juncus effusus. Phytochemistry, 1995, 40, 533-535.	1.4	35
139	Tetrahydropyrene Glucosides from <i>Juncus effusus</i> i>. Natural Product Research, 1995, 7, 85-92.	0.4	6