Thomas E Marler

List of Publications by Year
in descending order

137	1,286	471509 17	610901 24
papers	citations	h-index	g-index

138	138	138	577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Comparison between the Record Height-to-Stem Diameter Allometries of Pachycaulis and Leptocaulis Species. Annals of Botany, 2006, 97, 79-83.	2.9	50
2	Primary Succession along an Elevation Gradient 15 Years after the Eruption of Mount Pinatubo, Luzon, Philippines. Pacific Science, 2011, 65, 157-173.	0.6	45
3	Demography of Cycas micronesica on Guam following introduction of the armoured scale Aulacaspis yasumatsui. Journal of Tropical Ecology, 2012, 28, 233-242.	1.1	42
4	Cycas micronesica (Cycadales) plants devoid of endophytic cyanobacteria increase in Î²-methylamino-l-alanine. Toxicon, 2010, 56, 563-568.	1.6	33
5	Cycad mutualist offers more than pollen transport. American Journal of Botany, 2010, 97, 841-845.	1.7	32
6	Primary succession in Mount Pinatubo: Habitat availability and ordination analysis. Communicative and Integrative Biology, 2013, 6, e25924.	1.4	32
7	Pacific island tropical cyclones are more frequent and globally relevant, yet less studied. Frontiers in Environmental Science, 2014, 2, .	3.3	23
8	Tropical Cyclones and Perennial Species in the Mariana Islands. Hortscience: A Publication of the American Society for Hortcultural Science, 2001, 36, 264-268.	1.0	23
9	Temporal Variations in Leaf Miner, Butterfly, and Stem Borer Infestations of Cycas micronesica in Relation to Aulacaspis yasumatsui Incidence. Hortscience: A Publication of the American Society for Hortcultural Science, 2013, 48, 1334-1338.	1.0	22
10	Eccentric Growth But no Compression Wood in a Horizontal Stem of Cycas Micronesica (Cycadales). IAWA Journal, 2006, 27, 382-377.	2.7	20
11	Development of EST-microsatellites from the cycad Cycas rumphii, and their use in the recently endangered Cycas micronesica. Conservation Genetics, 2008, 9, 1051-1054.	1.5	19
12	First, do no harm. Communicative and Integrative Biology, 2017, 10, e1393593.	1.4	19
13	Tissue Responses and Solution Movement After Stem Wounding in Six Cycas Species. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 848-851.	1.0	19
14	Three invasive insects alterCycas micronesicaleaf chemistry and predict changes in biogeochemical cycling. Communicative and Integrative Biology, 2016, 9, e1208324.	1.4	18
15	Cycas micronesica Trees Alter Local Soil Traits. Forests, 2018, 9, 565.	2.1	18
16	Stem Carbohydrates and Adventitious Root Formation of Cycas micronesica following Aulacaspis yasumatsui Infestation. Hortscience: A Publication of the American Society for Hortcultural Science, 2018, 53, 1125-1128.	1.0	17
17	Longitude, Forest Fragmentation, and Plant Size Influence Cycas micronesica Mortality Following Island Insect Invasions. Diversity, 2020, 12, 194.	1.7	17
18	Cryptic Scale Infestations on Cycas revoluta Facilitate Scale Invasions. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 837-839.	1.0	17

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19	Models to Describe Cycas micronesica Leaf and Strobili Development. Hortscience: A Publication of the American Society for Hortcultural Science, 2011, 46, 1333-1337.	1.0	17
20	Chilades pandava Damage among 85 Cycas Species in a Common Garden Setting. Hortscience: A Publication of the American Society for Hortcultural Science, 2012, 47, 1832-1836.	1.0	17
21	Carbohydrate Depletion during Lethal Infestation ofAulacaspis yasumatsuionCycas revoluta. International Journal of Plant Sciences, 2018, 179, 497-504.	1.3	16
22	Steryl glucoside concentration declines with Cycas micronesica seed age. Functional Plant Biology, 2006, 33, 857.	2.1	15
23	An Assessment of Red List Data for the Cycadales. Tropical Conservation Science, 2015, 8, 1114-1125.	1.2	15
24	The value of research to selling the conservation of threatened species: the case of Cycas micronesica (Cycadopsida: Cycadales: Cycadaceae). Journal of Threatened Taxa, 2014, 6, 6523-6528.	0.3	14
25	Kin Recognition Alters Root and Whole Plant Growth of Split-root Cycas edentata Seedlings. Hortscience: A Publication of the American Society for Hortcultural Science, 2013, 48, 1266-1269.	1.0	14
26	Reproductive Effort and Success ofCycas micronesicaK.D. Hill Are Affected by Habitat. International Journal of Plant Sciences, 2011, 172, 700-706.	1.3	13
27	Cone thermogenesis and its limits in the tropical Cycas micronesica (Cycadaceae): Association with cone growth, dehiscence, and postâ€dehiscence phases. American Journal of Botany, 2013, 100, 1981-1990.	1.7	13
28	Potential Stressors Leading to Seedling Mortality in the Endemic HÃ¥yun LÃ¥gu Tree (Serianthes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	13
29	Number of emerged seedlings and seedling longevity of the non-recruiting, Critically Endangered HÃ¥yun lÃ¥gu Tree Serianthes nelsonii Merr. (Fabales: Leguminosae) are influenced by month of emergence. Journal of Threatened Taxa, 2015, 7, 8221.	0.3	13
30	Spatial Variation of Steryl Glucosides in Cycas micronesica Plants: Within- and Among-plant Sampling Procedures. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1607-1611.	1.0	13
31	Phytophagous Insects Reduce Cycad Resistance to Tropical Cyclone Winds and Impair Storm Recovery. Hortscience: A Publication of the American Society for Hortcultural Science, 2013, 48, 1224-1226.	1.0	13
32	Threatened Native Trees in Guam: Short-term Seed Storage and Shade Conditions Influence Emergence and Growth of Seedlings. Hortscience: A Publication of the American Society for Hortcultural Science, 2015, 50, 1049-1054.	1.0	13
33	Increased threat of island endemic treeâ€™s extirpation via invasion-induced decline of intrinsic resistance to recurring tropical cyclones. Communicative and Integrative Biology, 2013, 6, e22361.	1.4	12
34	Leucaena leucocephalaand adjacent native limestone forest habitats contrast in soil properties on Tinian Island. Communicative and Integrative Biology, 2016, 9, e1212792.	1.4	12
35	Aulacaspis yasumatsui Delivers a Blow to International Cycad Horticulture. Horticulturae, 2021, 7, 147.	2.8	12
36	Schedorhinotermes longirostris(Isoptera: Rhinotermitidae) on Guam Adds to Assault on the EndemicCycas micronesica. Florida Entomologist, 2011, 94, 699-700.	0.5	11

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37	Temperature and Imbibition Influence Serianthes Seed Germination Behavior. Plants, 2019, 8, 107.	3.5	11
38	Biotic Threats to Cycas micronesica Continue to Expand to Complicate Conservation Decisions. Insects, 2020, 11, 888.	2.2	11
39	Two Cycad Species Affect the Carbon, Nitrogen, and Phosphorus Content of Soils. Horticulturae, 2020, 6, 24.	2.8	11
40	Cycad Toxins and Neurological Diseases in Guam: Defining Theoretical and Experimental Standards for Correlating Human Disease with Environmental Toxins. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1598-1606.	1.0	11
41	Stem Tissue Dimensions Correlate with Vulnerability to Injury for Six Cycas Species. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 1293-1296.	1.0	11
42	Kin recognition by roots occurs in cycads and probably in conifers. Communicative and Integrative Biology, 2014, 7, e28009.	1.4	10
43	Free sugar profile in cycads. Frontiers in Plant Science, 2014, 5, 526.	3.6	10
44	Chemical and air pruning of roots influence post-transplant root traits of the critically endangered Serianthes nelsonii. Plant Root, 2016, 10, 21-25.	0.3	10
45	Asexual Reproduction to Propel Recovery Efforts of the Critically Endangered HÃ¥yun LÃ¥gu Tree (Serianthes nelsoniiMerr.). Tropical Conservation Science, 2017, 10, 194008291769770.	1.2	10
46	Height increment of Cycas micronesica informs conservation decisions. Plant Signaling and Behavior, 2020, 15, 1830237.	2.4	10
47	Leaf Elemental Concentrations, Stoichiometry, and Resorption in Guamâ€™s Coastal Karst Forests. Diversity, 2021, 13, 545.	1.7	10
48	Arthropod invasion disruptsCycas micronesicaseedling recruitment. Communicative and Integrative Biology, 2011, 4, 778-780.	1.4	9
49	Boomeranging in structural defense. Plant Signaling and Behavior, 2012, 7, 1484-1487.	2.4	9
50	Information-based or resource-based systems may mediate Cycas-herbivore interactions. Plant Signaling and Behavior, 2012, 7, 760-762.	2.4	9
51	Military ecology more fitting than warfare ecology. Environmental Conservation, 2013, 40, 207-208.	1.3	9
52	Does Plant Size Influence Leaf Elements in an Arborescent Cycad?. Biology, 2018, 7, 51.	2.8	9
53	Inserting cycads into global nutrient relations data sets. Plant Signaling and Behavior, 2018, 13, e1547578.	2.4	9
54	Incident Light and Leaf Age Influence Leaflet Element Concentrations of Cycas micronesica Trees. Horticulturae, 2019, 5, 58.	2.8	9

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55	Perennial Trees Associating with Nitrogen-Fixing Symbionts Differ in Leaf After-Life Nitrogen and Carbon Release. Nitrogen, 2020, 1, 111-124.	1.3	9
56	Stem CO₂ efflux of Cycas micronesica is reduced by chronic non-native insect herbivory. Plant Signaling and Behavior, 2020, 15, 1716160.	2.4	9
57	Adventitious rooting of mature <I>Cycas micronesica</I> K.D. Hill (Cycadales: Cycadaceae) tree stems reveals moderate success for salvage of an endangered cycad. Journal of Threatened Taxa, 2017, 9, 10565.	0.3	9
58	Guam's Cycas micronesica Populations Ravaged by Supertyphoon Paka. Hortscience: A Publication of the American Society for Hortcultural Science, 1998, 33, 1116-1118.	1.0	9
59	Vertical Stratification of Predation on Aulacaspis yasumatsui Infesting Cycas micronesica Seedlings. Hortscience: A Publication of the American Society for Hortcultural Science, 2013, 48, 60-62.	1.0	9
60	Free and glycosylated sterol bioaccumulation in developing Cycas micronesica seeds. Food Chemistry, 2009, 115, 615-619.	8.2	8
61	Plastic Responses Mediated by Identity Recognition in Below-Ground Competition in Cycas micronesica K.D. Hill. Tropical Conservation Science, 2016, 9, 648-657.	1.2	8
62	Review of Cycadophila Xu, Tang & Skelley (Coleoptera: Erotylidae: Pharaxonothinae) inhabiting Cycas (Cycadaceae) in Asia, with descriptions of a new subgenus and thirteen new species. Zootaxa, 2017, 4267, 1-63.	0.5	8
63	Burrowing activity of coconut rhinoceros beetle on Guam cycads. Communicative and Integrative Biology, 2020, 13, 74-83.	1.4	8
64	Three Invasive Tree Species Change Soil Chemistry in Guam Forests. Forests, 2020, 11, 279.	2.1	8
65	Adaptive Management Lessons for Serianthes nelsonii Conservation. Horticulturae, 2021, 7, 43.	2.8	8
66	Publishing trends for the Cycadales, the most threatened plant group. Journal of Threatened Taxa, 2016, 8, 8575.	0.3	8
67	Do Phytotoxic Compounds in Soils after Scale-infested Cycas micronesica Litter Deposits Explain Reduced Plant Growth?. Hortscience: A Publication of the American Society for Hortcultural Science, 2013, 48, 1571-1573.	1.0	8
68	Source and Sink Relations Mediate Depletion of Intrinsic Cycad Seed Carbohydrates by Aulacaspis yasumatsui Infestation. Hortscience: A Publication of the American Society for Hortcultural Science, 2019, 54, 1712-1717.	1.0	8
69	Iron Deficiency Induced Changes in Iron Reductase Activity in Papaya Roots. Journal of the American Society for Horticultural Science, 2002, 127, 184-187.	1.0	8
70	Topographic Relief, Wind Direction, and Conservation Management Decisions Influence Cycas micronesica K.D. Hill Population Damage during Tropical Cyclone. Journal of Geography & Natural Disasters, 2016, 6, .	0.1	8
71	Leaf Physiology of Shade-Grown Cycas micronesica Leaves Following Removal of Shade. Botanical Review, The, 2004, 70, 63-71.	3.9	7
72	Time-size trade-offs in responses of cycads to male cone herbivory. Communicative and Integrative Biology, 2010, 3, 602-603.	1.4	7

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73	Molecular xylem cell wall structure of an inclined Cycas micronesica stem, a tropical gymnosperm. IAWA Journal, 2010, 31, 3-11.	2.7	7
74	Distribution of free and glycosylated sterols within Cycas micronesica plants. Scientia Horticulturae, 2010, 123, 537-542.	3.6	7
75	Habitats, Trade Winds, and Pollination of the EndangeredCycas micronesica: Is There a Role for Wind as Pollen Vector on the Island of Guam?. International Journal of Plant Sciences, 2015, 176, 525-543.	1.3	7
76	Horticultural Research Crucial for Plant Conservation and Ecosystem Restoration. Hortscience: A Publication of the American Society for Hortcultural Science, 2017, 52, 1648-1649.	1.0	7
77	Elemental Profiles in Cycas micronesica Stems. Plants, 2018, 7, 94.	3.5	7
78	Increasing topographic influence on vegetation structure during primary succession. Plant Ecology, 2018, 219, 1009-1020.	1.6	7
79	Axial and Radial Spatial Patterns of Non-Structural Carbohydrates in Cycas micronesica Stems. Plants, 2018, 7, 49.	3.5	7
80	Repetitive pruning ofSerianthesnursery plants improves transplant quality and post-transplant survival. Plant Signaling and Behavior, 2019, 14, 1621246.	2.4	7
81	Extreme Wind Events Influence Seed Rain and Seedling Dynamics of Guamâ€™s Serianthes nelsonii Merr. Tropical Conservation Science, 2019, 12, 194008291985376.	1.2	7
82	Chemical Element Concentrations of Cycad Leaves: Do We Know Enough?. Horticulturae, 2020, 6, 85.	2.8	7
83	The Aeta â€“ Pinatubo Loop. Communicative and Integrative Biology, 2011, 4, 788-790.	1.4	6
84	Canopy and knowledge gaps when invasive alien insects remove foundation species. Communicative and Integrative Biology, 2013, 6, e22331.	1.4	6
85	Does cycad aulacaspis scale (Aulacaspis yasumatsui, Hemiptera: Diaspididae) play a direct role in causing soil phytotoxicity?. Communicative and Integrative Biology, 2014, 7, e27881.	1.4	6
86	Diel root extension patterns of three Serianthes species are modulated by plant size. Plant Signaling and Behavior, 2017, 12, e1327496.	2.4	6
87	Distribution of Elements along the Rachis of Cycas micronesica Leaves: A Cautionary Note for Sampling Design. Horticulturae, 2019, 5, 33.	2.8	6
88	Stem Branching of Cycad Plants Informs Horticulture and Conservation Decisions. Horticulturae, 2020, 6, 65.	2.8	6
89	Cycas micronesica Stem Carbohydrates Decline Following Leaf and Male Cone Growth Events. Plants, 2020, 9, 517.	3.5	6
90	Carbohydrates, pollinators, and cycads. Communicative and Integrative Biology, 2015, 8, e1017162.	1.4	5

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91	Seed Ontogeny and Nonstructural Carbohydrates of Cycas micronesica Megagametophyte Tissue. Hortscience: A Publication of the American Society for Hortcultural Science, 2016, 51, 1144-1147.	1.0	5
92	Rhyzobius lophanthae Behavior is Influenced by Cycad Plant Age, Providing Odor Samples in a Y-tube Olfactometer. Insects, 2018, 9, 194.	2.2	5
93	Host Tree Identity Influences Leaf Nutrient Relations of the Epiphyte Dendrobium guamense Ames.. Horticulturae, 2018, 4, 43.	2.8	5
94	Late successional tree species in Guam create biogeochemical niches. Communicative and Integrative Biology, 2019, 12, 86-90.	1.4	5
95	Thigmomorphogenesis and biomechanical responses of shade-grown Serianthes nelsonii plants to stem flexure. Plant Signaling and Behavior, 2019, 14, 1601953.	2.4	5
96	Prophylactic Treatments of Cycas Stem Wounds Influence Vegetative Propagation. Tropical Conservation Science, 2020, 13, 194008292092059.	1.2	5
97	Bi-Pinnate Compound Serianthes nelsonii Leaf-Level Plasticity Magnifies Leaflet-Level Plasticity. Biology, 2020, 9, 333.	2.8	5
98	Leaf nutrients of two Cycas L. species contrast among in situ and ex situ locations. Journal of Threatened Taxa, 2020, 12, 16831-16839.	0.3	5
99	Highly Successful Adventitious Root Formation of Zamia L. Stem Cuttings Exhibits Minimal Response to Indole-3-Butyric Acid. Hortscience: A Publication of the American Society for Hortcultural Science, 2020, 55, 1463-1467.	1.0	5
100	Vertical stratification in arthropod spatial distribution research. Communicative and Integrative Biology, 2013, 6, e25749.	1.4	4
101	Aluminum and the human diet revisited. Communicative and Integrative Biology, 2013, 6, e26369.	1.4	4
102	Diel patterns of stem CO2 efflux vary among cycads, arborescent monocots, and woody eudicots and gymnosperms. Plant Signaling and Behavior, 2020, 15, 1732661.	2.4	4
103	Leaf Nutrient Relations of Cycads in a Common Garden. Tropical Conservation Science, 2021, 14, 194008292110365.	1.2	4
104	Reciprocal Garden Study Reveals Acute Spatial-Edaphic Adaptation for Cycas micronesica. Diversity, 2021, 13, 237.	1.7	4
105	Diurnal Serianthes nelsonii Merr. leaflet paraheliotropism reduces leaflet temperature, relieves photoinhibition, and alters nyctinastic behavior. Journal of Threatened Taxa, 2019, 11, 14112-14118.	0.3	4
106	Potential Drift of Pollen of Cycas micronesica on the Island of Guam: A Comparative Study. Hortscience: A Publication of the American Society for Hortcultural Science, 2015, 50, 1106-1117.	1.0	4
107	Application of game theory to the interface between militarization and environmental stewardship in the Mariana Islands. Communicative and Integrative Biology, 2012, 5, 193-195.	1.4	3
108	Risk of Aluminum Exposure from Noni (Morinda citrifolia L.) Leaf Products1. Economic Botany, 2013, 67, 203-209.	1.7	3

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109	The intersection of a military culture and indigenous peoples in conservation issues. Communicative and Integrative Biology, 2013, 6, e26665.	1.4	3
110	Differential leaflet mortality may influence biogeochemical cycling following tropical cyclones. Communicative and Integrative Biology, 2014, 7, e27924.	1.4	3
111	Promoting the confluence of tropical cyclone research. Communicative and Integrative Biology, 2015, 8, e1017165.	1.4	3
112	Artifleck: The Study of Artifactual Responses to Light Flecks with Inappropriate Leaves. Plants, 2020, 9, 905.	3.5	3
113	Vertical Strata and Stem Carbon Dioxide Efflux in Cycas Trees. Plants, 2020, 9, 230.	3.5	3
114	Growth Responses to Wind Differ among Papaya Roots, Leaves, and Stems. Hortscience: A Publication of the American Society for Hortcultural Science, 2011, 46, 1105-1109.	1.0	3
115	Leaf and Soil Nutrient Relations of Elaeocarpus joga Merr. in Oceanic Island Calcareous Soils. Hortscience: A Publication of the American Society for Hortcultural Science, 2015, 50, 1644-1649.	1.0	3
116	Novel tools for an old lineage. Communicative and Integrative Biology, 2011, 4, 466-468.	1.4	2
117	Evolutionary developmental biology in cycad phenology. Communicative and Integrative Biology, 2012, 5, 272-274.	1.4	2
118	Diversity in Cycas (Cycadales: Cycadaceae) Species Offered as Larval Food Influences Fecundity of Chilades pandava (Lepidoptera: Lycaenidae) Adults. International Journal of Insect Science, 2017, 9, 117954331774586.	1.7	2
119	Coconut Leaf Age and Coconut Rhinoceros Beetle Herbivory Influence Leaflet Nutrients, Metals, and Lignin. Horticulturae, 2018, 4, 9.	2.8	2
120	Serianthes nelsonii Seed Germination and Seedling Behavior are Minimally Influenced by Chemical and Light Treatment. Horticulturae, 2019, 5, 31.	2.8	2
121	Leaf Retention on Stem Cuttings of Two Zamia L. Species With or Without Anti-transpirants Does Not Improve Adventitious Root Formation. Tropical Conservation Science, 2020, 13, 194008292096690.	1.2	2
122	Does Phytogeography Change with Shifts in Geopolitics? The Curious Case of Cycads in the United States. Diversity, 2020, 12, 445.	1.7	2
123	Chemical Factors Enhancing Papaya Root Growth in a Tropical Volcanic Acid Subsoil. Hortscience: A Publication of the American Society for Hortcultural Science, 2001, 36, 1037-1038.	1.0	2
124	It Is What It Is, but It Shouldnâ€™t Be: The Science of Ambiguity. Hortscience: A Publication of the American Society for Hortcultural Science, 2014, 49, 1234-1236.	1.0	2
125	Novel tools for an old lineage: Population genomics for cycads. Communicative and Integrative Biology, 2011, 4, 466-8.	1.4	2
126	Soil Chemistry Following Afforestation of Barren Coastal Soils in Southern Guam Does Not Conform to that of Continuously Vegetated Surfaces. Journal of Coastal Zone Management, 2017, 20, .	0.3	2

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127	Aulacaspis yasumatsui Invasion Reduced Cycas micronesica Microstrobilus Size and Pollinator Brood Site Competence. Insects, 2021, 12, 1023.	2.2	2
128	Chilades pandava mothers discriminate among Cycas species during oviposition choice tests, but only in an endemic naÃ¯ve population. Plant Signaling and Behavior, 2016, 11, e1208879.	2.4	1
129	Increasing relevance of sunfleck research. Plant Signaling and Behavior, 2017, 12, e1334030.	2.4	1
130	Talking with Strangers: Improving Serianthes Transplant Quality with Interspecific Companions. Forests, 2021, 12, 1192.	2.1	1
131	Rethinking cycad metabolite research. Communicative and Integrative Biology, 2011, 4, 86-8.	1.4	1
132	Phenotypic Characteristics as Predictors of Phytosterols in Mature Cycas micronesica Seeds. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 725-729.	1.0	1
133	Stem Carbon Dioxide Efflux of Lignophytes Exceeds That of Cycads and Arborescent Monocots. Agronomy, 2022, 12, 159.	3.0	1
134	Direct Aulacaspis yasumatsui Infestation of Pre-Harvest Cycas Seeds Reduces Germination and Performance of Seedlings. Horticulturae, 2021, 7, 562.	2.8	1
135	Leaf Damage by Phytophagous Beetles alters Terminalia catappa Green and Senesced Leaf Chemistry. International Journal of Insect Science, 2018, 10, 117954331879732.	1.7	0
136	Tree conservation can be constrained by agents from conservation permitting and funding agencies. Communicative and Integrative Biology, 2019, 12, 133-143.	1.4	0
137	Fresh and Dry Weight Relations Are Predictors of Cycas micronesica Seed Age. Horticulturae, 2020, 6, 29.	2.8	0