

Peter Ds Caligari

List of Publications by Year in descending order

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130
papers

3,412
citations

168829

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51
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docs citations

131
times ranked

3086
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral Reflectance Modeling by Wavelength Selection: Studying the Scope for Blueberry Physiological Breeding under Contrasting Water Supply and Heat Conditions. <i>Remote Sensing</i> , 2019, 11, 329.	1.8	23
2	Genetic Improvement of Tropical Crops. , 2017, , .		23
3	In vitro asymbiotic germination for micropropagation of the recalcitrant terrestrial orchid <i>Chloraea crispa</i> (Orchidaceae). <i>Applications in Plant Sciences</i> , 2017, 5, 1600142.	0.8	9
4	Effect of salt stress on genotypes of commercial (Fragaria x ananassa) and Chilean strawberry (F. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	34
5	Fluorescence phenotyping in blueberry breeding for genotype selection under drought conditions, with or without heat stress. <i>Scientia Horticulturae</i> , 2015, 181, 147-161.	1.7	37
6	Genetic and morphological characterization of the endangered Austral papaya <i>Vasconcellea chilensis</i> (Planch. ex A. DC.) Solms. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 1423-1432.	0.8	9
7	Morphometric and phytochemical characterization of chaura fruits (<i>Gaultheria pumila</i>): a native Chilean berry with commercial potential. <i>Biological Research</i> , 2014, 47, 26.	1.5	13
8	Chlorophyll, anthocyanin, and gas exchange changes assessed by spectroradiometry in <i>Fragaria chiloensis</i> under salt stress. <i>Journal of Integrative Plant Biology</i> , 2014, 56, 505-515.	4.1	97
9	Occurrence of aphidborne viruses in southernmost South American populations of <i>Fragaria chiloensis</i> ssp. <i>chiloensis</i> . <i>Plant Pathology</i> , 2013, 62, 428-435.	1.2	10
10	Application of inter-simple sequence repeats relative to simple sequence repeats as a molecular marker system for indexing blueberry cultivars. <i>Canadian Journal of Plant Science</i> , 2013, 93, 913-921.	0.3	13
11	Ranking the value of germplasm: new oil palm (<i>Elaeis guineensis</i>) breeding stocks as a case study. <i>Annals of Applied Biology</i> , 2012, 160, 145-156.	1.3	5
12	Efficient protocols for the extraction of microbial DNA from the rhizosphere of hydrophilic forests in Chile. <i>Ciencia E Investigacion Agraria</i> , 2012, 39, 585-592.	0.2	1
13	Forest Biodiversity Assessment in Relic Ecosystem: Monitoring and Management Practice Implications. <i>Diversity</i> , 2011, 3, 531-546.	0.7	5
14	Molecular Tools for Rapid and Accurate Detection of Black Truffle (<i>Tuber melanosporum</i> Vitt.) in Inoculated Nursery Plants and Commercial Plantations in Chile. <i>Chilean Journal of Agricultural Research</i> , 2011, 71, 488-494.	0.4	8
15	A simple, high throughput method to locate single copy sequences from Bacterial Artificial Chromosome (BAC) libraries using High Resolution Melt analysis. <i>BMC Genomics</i> , 2010, 11, 301.	1.2	7
16	Production of haploids and doubled haploids in oil palm. <i>BMC Plant Biology</i> , 2010, 10, 218.	1.6	25
17	Comparison of transcriptional profiles of flavonoid genes and anthocyanin contents during fruit development of two botanical forms of <i>Fragaria chiloensis</i> ssp. <i>chiloensis</i> . <i>Phytochemistry</i> , 2010, 71, 1839-1847.	1.4	92
18	Management of Auxin-Cytokinin Interactions to Improve Micropropagation Protocol of Henequen (<i>Agave fourcroydes</i> Lem.). <i>Chilean Journal of Agricultural Research</i> , 2010, 70, 545-551.	0.4	11

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19	BAC-HAPPY Mapping (BAP Mapping): A New and Efficient Protocol for Physical Mapping. PLoS ONE, 2010, 5, e9089.	1.1	6
20	Plant tissue culture: Current status, opportunities and challenges. Ciencia E Investigacion Agraria, 2010, 37, 5-30.	0.2	58
21	Genetic structure of highland papayas (<i>Vasconcellea pubescens</i> (LennÃ© et C. Koch) Badillo) cultivated along a geographic gradient in Chile as revealed by Inter Simple Sequence Repeats (ISSR). Genetic Resources and Crop Evolution, 2009, 56, 331-337.	0.8	26
22	Transcript profiling suggests transcriptional repression of the flavonoid pathway in the white-fruited Chilean strawberry, <i>Fragaria chiloensis</i> (L.) Mill.. Genetic Resources and Crop Evolution, 2009, 56, 895-903.	0.8	12
23	A breakthrough in lupin biotechnology: prolific protocolonisation in recalcitrant white lupin (<i>Lupinus albus</i>) triggered by bovine serum albumin. Annals of Applied Biology, 2009, 154, 183-194.	1.3	3
24	Comparison of phenolic composition and antioxidant properties of two native Chilean and one domestic strawberry genotypes. Food Chemistry, 2009, 113, 377-385.	4.2	92
25	Identification of phenolic compounds from the fruits of the mountain papaya <i>Vasconcellea pubescens</i> A. DC. grown in Chile by liquid chromatographyâ€“UV detectionâ€“mass spectrometry. Food Chemistry, 2009, 115, 775-784.	4.2	80
26	Isolation and characterization of microsatellite loci from the woolly apple aphid <i>Eriosoma lanigerum</i> (Hemiptera: Aphididae: Eriosomatinae). Molecular Ecology Resources, 2009, 9, 302-304.	2.2	6
27	Perspectives for sustainable management of cedar forests in Lebanon: situation analysis and guidelines. Environment, Development and Sustainability, 2008, 10, 107-127.	2.7	4
28	Highâ€“resolution melt analysis to identify and map sequenceâ€“tagged site anchor points onto linkage maps: a white lupin (<i>Lupinus albus</i>) map as an exemplar. New Phytologist, 2008, 180, 594-607.	3.5	70
29	Softening rate of the Chilean strawberry (<i>Fragaria chiloensis</i>) fruit reflects the expression of polygalacturonase and pectate lyase genes. Postharvest Biology and Technology, 2008, 49, 210-220.	2.9	82
30	Genetic variability and structure of Gomortega keule (Molina) Baillon (Gomortegaceae) relict populations: geographical and genetic fragmentation and its implications for conservation. Botany, 2008, 86, 1299-1310.	0.5	12
31	Free radical scavenging activity and phenolic content in achenes and thalamus from <i>Fragaria chiloensis</i> ssp. <i>chiloensis</i> , <i>F. vesca</i> and <i>F. x ananassa</i> cv. Chandler. Food Chemistry, 2007, 102, 36-44.	4.2	88
32	Economic value of cedar relics in Lebanon: An application of contingent valuation method for conservation. Ecological Economics, 2007, 61, 315-322.	2.9	58
33	The Canon of Potato Science: 5. Diploid/Dihaploid Breeding. Potato Research, 2007, 50, 223-225.	1.2	0
34	The Chilean Strawberry [<i>Fragaria chiloensis</i> (L.) Duch.]: Genetic Diversity and Structure. Journal of the American Society for Horticultural Science, 2007, 132, 501-506.	0.5	32
35	Identification and characterization of quantitative trait loci related to lodging resistance and associated traits in bread wheat. Plant Breeding, 2005, 124, 234-241.	1.0	70
36	Enhanced protoplast division by encapsulation in droplets: An advance towards somatic hybridisation in recalcitrant white lupin. Annals of Applied Biology, 2005, 146, 441-448.	1.3	12

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37	Genetic diversity and structure of natural and managed populations of <i>Cedrus atlantica</i> (Pinaceae) assessed using random amplified polymorphic DNA. American Journal of Botany, 2005, 92, 875-884.	0.8	43
38	E-Cinnamic Acid Derivatives and Phenolics from Chilean Strawberry Fruits, <i>Fragaria chiloensis</i> ssp. <i>chiloensis</i> . Journal of Agricultural and Food Chemistry, 2005, 53, 8512-8518.	2.4	46
39	Current Status of the Chilean Native Strawberry and the Research Needs to Convert the Species into a Commercial Crop. Hortscience: A Publication of the American Society for Horticultural Science, 2005, 40, 1633-1634.	0.5	33
40	Mapping quantitative trait loci for flag leaf senescence as a yield determinant in winter wheat under optimal and drought-stressed environments. Euphytica, 2004, 135, 255-263.	0.6	217
41	Aspects of isolation underpinning mitotic behaviour in lupin protoplasts. Australian Journal of Botany, 2004, 52, 669.	0.3	8
42	Effect of biotic factors on the isolation of <i>Lupinus albus</i> protoplasts. Australian Journal of Botany, 2003, 51, 103.	0.3	32
43	Title is missing!. Euphytica, 2002, 124, 139-145.	0.6	30
44	Cell and nuclear degradation in root meristems following exposure of potatoes (<i>Solanum tuberosum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	12
45	COMBINING ABILITY OF TOMATO GENOTYPES FOR IMPROVED SALT TOLERANCE. Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science, 2001, 48, 345-352.	0.2	1
46	A skeletal linkage map of <i>Hordeum bulbosum</i> L. and comparative mapping with barley (<i>H. vulgare</i> L.). Euphytica, 2000, 115, 115-120.	0.6	9
47	Title is missing!. Euphytica, 2000, 113, 53-64.	0.6	2
48	In vitro propagation of <i>Litsea cubeba</i> (Lours.) Pers., a multipurpose tree. Plant Cell Reports, 2000, 19, 263-267.	2.8	19
49	Characterization of <i>Aegilops uniaristata</i> chromosomes by comparative DNA marker analysis and repetitive DNA sequence in situ hybridization. Theoretical and Applied Genetics, 2000, 101, 1173-1179.	1.8	26
50	Efficiencies of F ₂ and Backcross Generations for Bulked Segregant Analysis Using Dominant Markers. Crop Science, 2000, 40, 626-630.	0.8	39
51	Major Errors in Data and Their Effect on Response to Selection. Crop Science, 1999, 39, 697-702.	0.8	4
52	Developing an appropriate strategy to assess genetic variability in plant germplasm collections. Theoretical and Applied Genetics, 1999, 98, 1125-1131.	1.8	231
53	The genetics of selfing with concurrent backcrossing in breeding hybrid sugar beet (<i>Beta vulgaris</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	14
54	The design and analysis of breeders' trials of sugar beet (<i>Beta vulgaris</i>) using two-dimensional blocking structures. Annals of Applied Biology, 1998, 132, 497-506.	1.3	0

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55	Effects of genotype and environment on architecture and flowering time of indeterminate Andean lupins (<i>Lupinus mutabilis</i> Sweet). <i>Australian Journal of Agricultural Research</i> , 1998, 49, 1241.	1.5	14
56	Comparison of salt tolerance of GPert and non-GPert barleys. <i>Plant Breeding</i> , 1997, 116, 189-191.	1.0	20
57	Title is missing!. <i>Euphytica</i> , 1997, 94, 7-14.	0.6	34
58	Title is missing!. <i>Euphytica</i> , 1997, 95, 355-359.	0.6	5
59	Clonal propagation by in vitro culture of <i>Corchorus</i> (jute). <i>Plant Cell, Tissue and Organ Culture</i> , 1997, 47, 231-238.	1.2	9
60	The use of RAPD for verifying the apomictic status of seedlings of <i>Malus</i> species. <i>Theoretical and Applied Genetics</i> , 1997, 95, 1080-1083.	1.8	9
61	Distribution of Cashew Flower Sex-types between Clones and Sides of Tree Canopies in Tanzania. <i>Annals of Botany</i> , 1996, 78, 553-558.	1.4	11
62	Molecular marker analysis of <i>Helianthus annuus</i> L. 2. Construction of an RFLP linkage map for cultivated sunflower. <i>Theoretical and Applied Genetics</i> , 1995, 91, 195-199.	1.8	135
63	Molecular marker analysis of <i>Helianthus annuus</i> L. 1. Restriction fragment length polymorphism between inbred lines of cultivated sunflower. <i>Theoretical and Applied Genetics</i> , 1994, 89, 435-441.	1.8	53
64	Anther and microspore culture of <i>Lupinus albus</i> in liquid culture medium. <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 36, 227-236.	1.2	15
65	Field performance of derived generations of transgenic tobacco. <i>Theoretical and Applied Genetics</i> , 1993, 86, 875-879.	1.8	26
66	Cultural manipulations affecting callus formation from seedling explants of the pearl lupin (<i>Lupinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	8
67	Effects of salinity and its interactions with disease incidence on potatoes grown in hot climates. <i>Phytoparasitica</i> , 1993, 21, 245-255.	0.6	36
68	Combining resistance to potato leafroll virus (PLRV) with immunity to potato viruses X and Y (PVX and) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	14
69	Inheritance of the external mechanical damage resistance of potato cultivars. <i>Annals of Applied Biology</i> , 1992, 121, 379-384.	1.3	3
70	The use of antibiotics to eliminate latent bacterial contamination in potato tissue cultures. <i>Annals of Applied Biology</i> , 1991, 119, 113-120.	1.3	16
71	The inheritance of genetic markers in microspore-derived plants of barley <i>Hordeum vulgare</i> L.. <i>Theoretical and Applied Genetics</i> , 1991, 81, 487-492.	1.8	67
72	Disease assessment of early blight in potatoes in semi-arid zones. <i>Potato Research</i> , 1990, 33, 441-448.	1.2	0

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73	A glasshouse progeny test for resistance to gangrene (<i>Phoma foveata</i>). <i>Potato Research</i> , 1990, 33, 131-133.	1.2	9
74	Measurement of field resistance of potatoes to <i>Verticillium</i> wilt (<i>Verticillium dahliae</i>). <i>Potato Research</i> , 1990, 33, 201-209.	1.2	7
75	The use of hormonal and osmotic growth retardants in media used for the storage of potato germplasm in-vitro. <i>Potato Research</i> , 1989, 32, 57-64.	1.2	4
76	Variability in response of potato cultivars to micropropagation.: In vitro performance. <i>Annals of Applied Biology</i> , 1989, 115, 115-121.	1.3	14
77	Variability in response of potato cultivars to micropropagation.. <i>Annals of Applied Biology</i> , 1989, 115, 123-128.	1.3	6
78	Cross prediction in a potato breeding programme by evaluation of parental material. <i>Theoretical and Applied Genetics</i> , 1989, 77, 246-252.	1.8	28
79	Methods and strategies for detecting <i>Solanum tuberosum</i> dihaploids in interspecific crosses with <i>S. phureja</i> . <i>Annals of Applied Biology</i> , 1988, 112, 323-328.	1.3	12
80	The use of cross prediction methods in a practical potato breeding programme. <i>Theoretical and Applied Genetics</i> , 1988, 76, 33-38.	1.8	32
81	Competitive interactions in <i>Drosophila melanogaster</i> IV. Chromosome assay. <i>Heredity</i> , 1988, 60, 355-366.	1.2	8
82	The effects of <i>Alternaria solani</i> and <i>Verticillium dahliae</i> on potatoes growing in Israel. <i>Potato Research</i> , 1988, 31, 443-450.	1.2	20
83	Screening for field resistance to early blight (<i>Alternaria solani</i>) in potatoes. <i>Potato Research</i> , 1988, 31, 451-460.	1.2	14
84	Assessing the resistance of potatoes to powdery scab (<i>Spongospora subterranea</i> (Wallr.) Lagerh.). <i>Potato Research</i> , 1988, 31, 167-171.	1.2	16
85	Assessing the resistance to gangrene of progenies of potato (<i>Solanum tuberosum</i> L.) from parents differing in susceptibility. <i>Potato Research</i> , 1988, 31, 355-365.	1.2	19
86	Analysis of competitive ability among genotypes of perennial ryegrass. I. Effect upon survival. <i>Euphytica</i> , 1987, 36, 99-107.	0.6	5
87	Analysis of competitive ability among genotypes of perennial ryegrass. II. Effect upon dry matter production. <i>Euphytica</i> , 1987, 36, 109-115.	0.6	10
88	A glasshouse progeny test for resistance to tuber blight (<i>Phytophthora infestans</i>). <i>Potato Research</i> , 1987, 30, 533-538.	1.2	20
89	The in vitro genetics of barley (<i>Hordeum vulgare</i> L.): Genetical analysis of immature embryo response to 2,4-dichlorophenoxyacetic acid. <i>Heredity</i> , 1987, 59, 285-292.	1.2	12
90	The in vitro genetics of barley (<i>Hordeum vulgare</i> L.): detection and analysis of reciprocal differences for culture response to 2,4-dichlorophenoxyacetic acid. <i>Heredity</i> , 1987, 59, 293-299.	1.2	16

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91	A comparison of inbred lines derived by doubled haploidy and single seed descent in spring barley (<i>Hordeum vulgare</i>). <i>Annals of Applied Biology</i> , 1987, 111, 667-675.	1.3	16
92	The efficiency of visual selection in early generations of a potato breeding programme. <i>Annals of Applied Biology</i> , 1987, 110, 357-363.	1.3	56
93	The repeatability of progeny means in the early generations of a potato breeding programme. <i>Annals of Applied Biology</i> , 1987, 110, 365-370.	1.3	24
94	The use of double haploids for detecting linkage and pleiotropy between quantitatively varying characters in spring barley. <i>Journal of Agricultural Science</i> , 1986, 106, 75-80.	0.6	6
95	Selection for yield and yield components in the early generations of a potato breeding programme. <i>Theoretical and Applied Genetics</i> , 1986, 73, 218-222.	1.8	26
96	Field performance of lines derived from haploid and diploid tissues of <i>Hordeum vulgare</i> . <i>Theoretical and Applied Genetics</i> , 1986, 72, 458-465.	1.8	28
97	The effects of competitive interactions on variances and on seed germination in spring barley (<i>Hordeum vulgare</i>). <i>Heredity</i> , 1986, 57, 331-334.	1.2	6
98	The use of univariate cross prediction methods in the breeding of a clonally reproduced crop (<i>Solanum tuberosum</i>). <i>Heredity</i> , 1986, 57, 395-401.	1.2	13
99	The measurement and interpretation of genotype by environment interaction in spring barley (<i>Hordeum vulgare</i>). <i>Heredity</i> , 1986, 56, 255-262.	1.2	12
100	Comparison of Spring Barley Lines Produced by Single Seed Descent, Pedigree Inbreeding and Doubled Haploidy. <i>Plant Breeding</i> , 1986, 97, 138-146.	1.0	17
101	The usefulness and limitations of estimating the number of genes in a barley breeding programme. <i>Journal of Agricultural Science</i> , 1985, 105, 285-290.	0.6	3
102	Competitive effects in monocultures and mixtures of spring barley (<i>Hordeum vulgare</i>). <i>Theoretical and Applied Genetics</i> , 1985, 71, 443-450.	1.8	8
103	Genetical investigations into β -glucan content in barley. <i>Theoretical and Applied Genetics</i> , 1985, 71, 461-466.	1.8	30
104	The effect of varying the number of drills per plot and the amount of replication on the efficiency of potato yield trials. <i>Euphytica</i> , 1985, 34, 291-296.	0.6	13
105	Cytological observation on the effects of pollen irradiation in diploid and polyploid crops. <i>Heredity</i> , 1985, 54, 165-170.	1.2	9
106	The use of doubled haploids in barley breeding. I. Comparison of H1 and H2 generations. <i>Heredity</i> , 1985, 54, 261-266.	1.2	4
107	Irradiated pollen selfs in cultivars of <i>Hordeum vulgare</i> . <i>Heredity</i> , 1985, 54, 285-287.	1.2	4
108	The effects of major genes on quantitatively varying characters in barley 1. The GP ert locus. <i>Heredity</i> , 1985, 54, 343-348.	1.2	28

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109	The effects of major genes on quantitatively varying characters in barley 2. The denso and daylength response loci. <i>Heredity</i> , 1985, 54, 349-352.	1.2	41
110	The use of doubled haploids in barley breeding 2. An assessment of univariate cross prediction methods. <i>Heredity</i> , 1985, 54, 353-358.	1.2	33
111	The use of doubled haploids in barley breeding. 3. An assessment of multivariate cross prediction methods. <i>Heredity</i> , 1985, 55, 249-254.	1.2	21
112	Confirmatory evidence for the efficacy of a seedling progeny test for resistance to potato foliage blight (<i>Phytophthora infestans</i> (Mont.) de Bary). <i>Potato Research</i> , 1985, 28, 439-442.	1.2	8
113	Assessment of a glasshouse test for measuring the resistance of potato cultivars to common scab. <i>Potato Research</i> , 1985, 28, 379-387.	1.2	8
114	A seedling progeny test for resistance to potato foliage blight (<i>Phytophthora infestans</i> (Mont.) de Bary). <i>Potato Research</i> , 1985, 28, 439-442.	1.2	21
115	Competitive interactions in <i>Drosophila melanogaster</i> III. Triocultures. <i>Heredity</i> , 1984, 52, 255-264.	1.2	6
116	Quantitatively varying characters in the second generation from an irradiated pollen cross in barley. <i>Heredity</i> , 1984, 52, 347-353.	1.2	5
117	A re-examination of apparent selection in <i>Globodera pallida</i> on <i>Solanum vernei</i> hybrids. <i>Euphytica</i> , 1984, 33, 583-586.	0.6	7
118	The efficiency of seedling selection by visual preference in a potato breeding programme. <i>Journal of Agricultural Science</i> , 1984, 103, 339-346.	0.6	46
119	Pressure and response in competitive interactions. <i>Heredity</i> , 1983, 51, 435-454.	1.2	32
120	The use of pollen irradiation in barley breeding. <i>Theoretical and Applied Genetics</i> , 1983, 65, 73-76.	1.8	33
121	Analysis of competitive ability among genotypes of perennial ryegrass. <i>Heredity</i> , 1982, 48, 421-434.	1.2	30
122	Competitive interactions in <i>Drosophila melanogaster</i> . II. Measurement of competition. <i>Heredity</i> , 1981, 46, 239-254.	1.2	48
123	Gene transfer in <i>Nicotiana rustica</i> by means of irradiated pollen. I. Unselected progenies. <i>Heredity</i> , 1981, 47, 17-26.	1.2	28
124	The selectively optimal phenotypes of the coxal chaetae in <i>Drosophila melanogaster</i> . <i>Heredity</i> , 1981, 47, 79-85.	1.2	4
125	The effect of parental age on sterno-pleural chaeta number in <i>Drosophila melanogaster</i> . <i>Heredity</i> , 1981, 47, 105-110.	1.2	11
126	Gene transfer in <i>Nicotiana rustica</i> using irradiated pollen. <i>Nature</i> , 1981, 291, 586-588.	13.7	49

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127	Competitive interactions in <i>Drosophila melanogaster</i> . <i>Heredity</i> , 1980, 45, 219-231.	1.2	38
128	Genetical analysis of components of overall plant shape. <i>Theoretical and Applied Genetics</i> , 1978, 52, 65-72.	1.8	2
129	Genotype \times environment interactions. <i>Heredity</i> , 1976, 36, 41-48.	1.2	12
130	Competition in <i>Drosophila</i> III. A possible maternal effect. <i>Heredity</i> , 1973, 30, 211-225.	1.2	1