Michael J Gooding

List of Publications by Year
in descending order

53	3,002	136950 32	182427 51
papers	citations	h-index	g-index

59	59	59	3085
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Restricted Water Availability and Increased Temperature on the Grain Filling, Drying and Quality of Winter Wheat. Journal of Cereal Science, 2003, 37, 295-309.	3.7	263
2	Peaâ€“barley intercropping for efficient symbiotic N2-fixation, soil N acquisition and use of other nutrients in European organic cropping systems. Field Crops Research, 2009, 113, 64-71.	5.1	222
3	Adapting wheat in Europe for climate change. Journal of Cereal Science, 2014, 59, 245-256.	3.7	195
4	Transcriptome analysis of grain development in hexaploid wheat. BMC Genomics, 2008, 9, 121.	2.8	183
5	Foliar urea fertilization of cereals: A review. Fertilizer Research, 1992, 32, 209-222.	0.5	157
6	The competitive ability of peaâ€“barley intercrops against weeds and the interactions with crop productivity and soil N availability. Field Crops Research, 2011, 122, 264-272.	5.1	145
7	The effects of dwarfing genes on seedling root growth of wheat. Journal of Experimental Botany, 2009, 60, 2565-2573.	4.8	139
8	The influence of foliar diseases, and their control by fungicides, on the protein concentration in wheat grain: a review. Journal of Agricultural Science, 2002, 138, 349-366.	1.3	98
9	Models of wheat grain quality considering climate, cultivar and nitrogen effects. Agricultural and Forest Meteorology, 1999, 94, 159-170.	4.8	91
10	The effects of triazole and strobilurin fungicide programmes on nitrogen uptake, partitioning, remobilization and grain N accumulation in winter wheat cultivars. Journal of Agricultural Science, 2003, 140, 395-407.	1.3	84
11	The effects of adding picoxystrobin, azoxystrobin and nitrogen to a triazole programme on disease control, flag leaf senescence, yield and grain quality of winter wheat. Crop Protection, 2003, 22, 975-987.	2.1	69
12	Intercropping with pulses to concentrate nitrogen and sulphur in wheat. Journal of Agricultural Science, 2007, 145, 469-479.	1.3	66
13	Effect of wheat dwarfing genes on nitrogen-use efficiency. Journal of Agricultural Science, 2012, 150, 3-22.	1.3	66
14	Agronomic assessment of the wheat semi-dwarfing gene Rht8 in contrasting nitrogen treatments and water regimes. Field Crops Research, 2016, 191, 150-160.	5.1	65
15	Responses of wheat grain yield and quality to seed rate. Journal of Agricultural Science, 2002, 138, 317-331.	1.3	64
16	Effect of <i><scp>R</scp>ht</i> Alleles on the Tolerance of Wheat Grain Set to High Temperature and Drought Stress During Booting and Anthesis. Journal of Agronomy and Crop Science, 2014, 200, 36-45.	3.5	62
17	Reduced height (Rht) and photoperiod insensitivity (Ppd) allele associations with establishment and early growth of wheat in contrasting production systems. Euphytica, 2009, 166, 249.	1.2	60
18	Modelling simultaneously water content and dry matter dynamics of wheat grains. Field Crops Research, 2006, 95, 49-63.	5.1	56

#	Article	IF	Citations
19	Recovery of nitrogen from different sources following applications to winter wheat at and after anthesis. Field Crops Research, 2007, 100, 143-154.	5.1	54
20	Asynchronous flowering and within-plant flowering diversity in wheat and the implications for crop resilience to heat. Annals of Botany, 2012, 109, 843-850.	2.9	54
21	Cold temperatures and boron deficiency caused grain set failure in spring wheat (Triticum aestivum) Tj ETQq1 1 0.784314 rgBT /Overlo	5.1	50
22	Genotype and fungicide effects on late-season root growth of winter wheat. Plant and Soil, 2006, 284, 33-44.	3.7	48
23	Fungicide and cultivar affect post-anthesis patterns of nitrogen uptake, remobilization and utilization efficiency in wheat. Journal of Agricultural Science, 2005, 143, 503-518.	1.3	44
24	Effects of late-season applications of propiconazole and tridemorph on disease, senescence, grain development and the breadmaking quality of winter wheat. Crop Protection, 1994, 13, 362-370.	2.1	43
25	Exploring options for managing strategies for peaâ€“barley intercropping using a modeling approach. European Journal of Agronomy, 2009, 31, 85-98.	4.1	43
26	Effects of reduced height (Rht) and photoperiod insensitivity (Ppd) alleles on yield of wheat in contrasting production systems. Euphytica, 2010, 172, 169-181.	1.2	42
27	Peaâ€“barley intercropping and short-term subsequent crop effects across European organic cropping conditions. Nutrient Cycling in Agroecosystems, 2009, 85, 141-155.	2.2	40
28	Reduced height alleles (Rht) and Hagberg falling number of wheat. Journal of Cereal Science, 2012, 55, 305-311.	3.7	39
29	Decimal growth stages for precision wheat production in changing environments?. Annals of Applied Biology, 2015, 166, 355-371.	2.5	39
30	The effects of fungicides on Hagberg falling number and blackpoint in winter wheat. Crop Protection, 2002, 21, 475-487.	2.1	38
31	A temporal limit to the association between flag leaf life extension by fungicides and wheat yields. European Journal of Agronomy, 2005, 22, 363-373.	4.1	34
32	Nitrogen fertilizer and seed rate effects on Hagberg falling number of hybrid wheats and their parents are associated with ?-amylase activity, grain cavity size and dormancy. Journal of the Science of Food and Agriculture, 2005, 85, 727-742.	3.5	34
33	Temporally and Genetically Discrete Periods of Wheat Sensitivity to High Temperature. Frontiers in Plant Science, 2017, 8, 51.	3.6	30
34	Effect of nitrogen fertilizer application timing on nitrogen use efficiency and grain yield of winter wheat in Ireland. Irish Journal of Agricultural and Food Research, 2016, 55, 63-73.	0.4	27
35	Heterosis for yield and its physiological determinants in wheat. Euphytica, 2005, 142, 149-159.	1.2	26
36	The effects of irrigation, nitrogen fertilizer and grain size on Hagberg falling number, specific weight and blackpoint of winter wheat. Journal of the Science of Food and Agriculture, 2004, 84, 227-236.	3.5	25

#	ARTICLE	IF	CITATIONS
37	Contrasting effects of dwarfing alleles and nitrogen availability on mineral concentrations in wheat grain. Plant and Soil, 2012, 360, 93-107.	3.7	25
38	A novel transcriptomic approach to identify candidate genes for grain quality traits in wheat. Plant Biotechnology Journal, 2009, 7, 401-410.	8.3	18
39	Photoperiod sensitivity affects flowering duration in wheat. Journal of Agricultural Science, 2017, 155, 32-43.	1.3	18
40	The use of residual maximum likelihood to model grain quality characters of wheat with variety, climatic and nitrogen fertilizer effects. Journal of Agricultural Science, 1997, 128, 135-142.	1.3	17
41	CHAPTER 2: The Wheat Crop. , 2009, , 19-49.		17
42	Heterotic and seed rate effects on nitrogen efficiencies in wheat. Journal of Agricultural Science, 2004, 142, 639-657.	1.3	16
43	Delaying senescence of wheat with fungicides has interacting effects with cultivar on grain sulphur concentration but not with sulphur yield or nitrogen:sulphur ratios. European Journal of Agronomy, 2005, 22, 405-416.	4.1	14
44	Effects of spring nitrogen fertilizer on the Hagberg falling number of grain from breadmaking varieties of winter wheat. Journal of Agricultural Science, 1986, 107, 475-477.	1.3	13
45	Pattern of grain set in boron-deficient and cold-stressed wheat (Triticum aestivum L.). Journal of Agricultural Science, 2000, 134, 25-31.	1.3	12
46	Semi-dwarfing<i>(Rht-B1b)</i>improves nitrogen-use efficiency in wheat, but not at economically optimal levels of nitrogen availability. Cereal Research Communications, 2012, 40, 116-121.	1.6	11
47	Gibberellin-responsive and -insensitive dwarfing alleles on wheat performance in contrasting tillage systems. Field Crops Research, 2013, 141, 55-62.	5.1	9
48	Molecular characterization of Iranian wheat stripe virus shows its taxonomic position as a distinct species in the genus Tenuivirus. Archives of Virology, 2006, 151, 217-227.	2.1	7
49	The Effects of Growth Environment and Agronomy onÂGrain Quality. , 2017, , 493-512.		7
50	Quantifying rooting at depth in a wheat doubled haploid population with introgression from wild emmer. Annals of Botany, 2017, 120, 457-470.	2.9	6
51	The influence of winter oilseed rape (Brassica napus ssp. oleifera var. biennis) cultivar and grass genotype on the competitive balance between crop and grass weeds. Journal of Agricultural Science, 2007, 145, 329-342.	1.3	5
52	The influence of winter oilseed rape (Brassica napus ssp. oleifera var. biennis) canopy size on grass weed growth and grass weed seed return. Journal of Agricultural Science, 2007, 145, 313-327.	1.3	5
53	Transmission properties of Iranian wheat stripe virus. Australasian Plant Pathology, 2007, 36, 354.	1.0	5