

# Vincent Allard

## List of Publications by Year in descending order

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38  
papers

7,250  
citations

172457

29  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

9770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Analysis of Platform-Phenotyped Root System Architecture of Bread and Durum Wheat in Relation to Agronomic Traits. <i>Frontiers in Plant Science</i> , 2022, 13, 853601.	3.6	8
2	Plant functional trait variability and trait syndromes among wheat varieties: the footprint of artificial selection. <i>Journal of Experimental Botany</i> , 2021, 72, 1166-1180.	4.8	12
3	Linking genetic maps and simulation to optimize breeding for wheat flowering time in current and future climates. <i>Crop Science</i> , 2020, 60, 678-699.	1.8	20
4	Wheat individual grain-size variance originates from crop development and from specific genetic determinism. <i>PLoS ONE</i> , 2020, 15, e0230689.	2.5	17
5	A generalized statistical framework to assess mixing ability from incomplete mixing designs using binary or higher order variety mixtures and application to wheat. <i>Field Crops Research</i> , 2019, 242, 107571.	5.1	12
6	Genome-wide analysis, expansion and expression of the NAC family under drought and heat stresses in bread wheat ( <i>T. aestivum</i> L.). <i>PLoS ONE</i> , 2019, 14, e0213390.	2.5	48
7	<i>VERNALIZATION1</i> controls developmental responses of winter wheat under high ambient temperatures. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	58
8	Different grain-filling rates explain grain-weight differences along the wheat ear. <i>PLoS ONE</i> , 2018, 13, e0209597.	2.5	41
9	Effects of ambient temperature in association with photoperiod on phenology and on the expressions of major plant developmental genes in wheat ( <i>Triticum aestivum</i> L.). <i>Plant, Cell and Environment</i> , 2017, 40, 1629-1642.	5.7	44
10	Optimization of multi-environment trials for genomic selection based on crop models. <i>Theoretical and Applied Genetics</i> , 2017, 130, 1735-1752.	3.6	46
11	Designing mixtures of varieties for multifunctional agriculture with the help of ecology. A review. <i>Agronomy for Sustainable Development</i> , 2017, 37, 1.	5.3	177
12	Bread Wheat ( <i>Triticum aestivum</i> L.) Grain Protein Concentration Is Related to Early Post-Flowering Nitrate Uptake under Putative Control of Plant Satiety Level. <i>PLoS ONE</i> , 2016, 11, e0149668.	2.5	37
13	Post-Flowering Nitrate Uptake in Wheat Is Controlled by N Status at Flowering, with a Putative Major Role of Root Nitrate Transporter NRT2.1. <i>PLoS ONE</i> , 2015, 10, e0120291.	2.5	75
14	Predictions of heading date in bread wheat ( <i>Triticum aestivum</i> L.) using QTL-based parameters of an ecophysiological model. <i>Journal of Experimental Botany</i> , 2014, 65, 5849-5865.	4.8	74
15	Nitrogen partitioning and remobilization in relation to leaf senescence, grain yield and grain nitrogen concentration in wheat cultivars. <i>Field Crops Research</i> , 2014, 155, 213-223.	5.1	244
16	Genetic variability in biomass allocation to roots in wheat is mainly related to crop tillering dynamics and nitrogen status. <i>European Journal of Agronomy</i> , 2013, 46, 68-76.	4.1	37
17	Identifying wheat genomic regions for improving grain protein concentration independently of grain yield using multiple inter-related populations. <i>Molecular Breeding</i> , 2013, 31, 587-599.	2.1	49
18	Acclimation of Leaf Nitrogen to Vertical Light Gradient at Anthesis in Wheat Is a Whole-Plant Process That Scales with the Size of the Canopy. <i>Plant Physiology</i> , 2012, 160, 1479-1490.	4.8	54

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19	The quantitative response of wheat vernalization to environmental variables indicates that vernalization is not a response to cold temperature. <i>Journal of Experimental Botany</i> , 2012, 63, 847-857.	4.8	35
20	Simulation of environmental and genotypic variations of final leaf number and anthesis date for wheat. <i>European Journal of Agronomy</i> , 2012, 42, 22-33.	4.1	56
21	Genome-wide association analysis to identify chromosomal regions determining components of earliness in wheat. <i>Theoretical and Applied Genetics</i> , 2012, 124, 597-611.	3.6	90
22	Identification of traits to improve the nitrogen-use efficiency of wheat genotypes. <i>Field Crops Research</i> , 2011, 123, 139-152.	5.1	243
23	Anthesis date mainly explained correlations between post-anthesis leaf senescence, grain yield, and grain protein concentration in a winter wheat population segregating for flowering time QTLs. <i>Journal of Experimental Botany</i> , 2011, 62, 3621-3636.	4.8	193
24	Deviation from the grain protein concentrationâ€“grain yield negative relationship is highly correlated to post-anthesis N uptake in winter wheat. <i>Journal of Experimental Botany</i> , 2010, 61, 4303-4312.	4.8	263
25	Management and Breeding Strategies for the Improvement of Grain and Oil Quality. , 2009, , 387-421.		17
26	Seasonal and annual variation of carbon exchange in an evergreen Mediterranean forest in southern France. <i>Global Change Biology</i> , 2008, 14, 714-725.	9.5	163
27	Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modelling analysis. <i>Global Change Biology</i> , 2007, 13, 634-651.	9.5	486
28	The role of grazing management for the net biome productivity and greenhouse gas budget (CO <sub>2</sub> , N <sub>2</sub> O) Tj ETQq0 0 0 rgBT /Overlock 10	5.3	205
29	Full accounting of the greenhouse gas (CO <sub>2</sub> , N <sub>2</sub> O, CH <sub>4</sub> ) budget of nine European grassland sites. <i>Agriculture, Ecosystems and Environment</i> , 2007, 121, 121-134.	5.3	409
30	Effects of climate and management intensity on nitrous oxide emissions in grassland systems across Europe. <i>Agriculture, Ecosystems and Environment</i> , 2007, 121, 135-152.	5.3	262
31	Partitioning European grassland net ecosystem CO <sub>2</sub> exchange into gross primary productivity and ecosystem respiration using light response function analysis. <i>Agriculture, Ecosystems and Environment</i> , 2007, 121, 93-120.	5.3	305
32	Short and long-term effects of elevated CO <sub>2</sub> on <i>Lolium perenne</i> rhizodeposition and its consequences on soil organic matter turnover and plant N yield. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1178-1187.	8.8	82
33	Impacts of Elevated CO <sub>2</sub> on a Grassland Grazed by Sheep: the New Zealand FACE Experiment. , 2006, , 157-171.		14
34	Herbivory and Nutrient Cycling. <i>Advances in Agroecology</i> , 2006, , 151-165.	0.3	0
35	Europe-wide reduction in primary productivity caused by the heat and drought in 2003. <i>Nature</i> , 2005, 437, 529-533.	27.8	3,245
36	Increased Quantity and Quality of Coarse Soil Organic Matter Fraction at Elevated CO <sub>2</sub> in a Grazed Grassland are a Consequence of Enhanced Root Growth Rate and Turnover. <i>Plant and Soil</i> , 2005, 276, 49-60.	3.7	70

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37	Elevated CO2 effects on decomposition processes in a grazed grassland. Global Change Biology, 2004, 10, 1553-1564.	9.5	26
38	Nitrogen cycling in grazed pastures at elevated CO2 : N returns by ruminants. Global Change Biology, 2003, 9, 1731-1742.	9.5	33