

# Guangyuan He

## List of Publications by Year in descending order

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97  
papers

4,783  
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101496

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101  
docs citations

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times ranked

4915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conservation and Divergence of SQUAMOSA-PROMOTER BINDING PROTEIN-LIKE (SPL) Gene Family between Wheat and Rice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2099.	1.8	10
2	Wheat gliadin in ethanol solutions treated using cold air plasma at atmospheric pressure. <i>Food Bioscience</i> , 2021, 39, 100808.	2.0	9
3	TaASR1 confers abiotic stress resistance by affecting ROS accumulation and ABA signalling in transgenic wheat. <i>Plant Biotechnology Journal</i> , 2021, 19, 1588-1601.	4.1	35
4	Atmospheric-pressure non-equilibrium plasmas for effective abatement of pathogenic biological aerosols. <i>Plasma Sources Science and Technology</i> , 2021, 30, 053001.	1.3	25
5	Differences in Cytotoxicity Induced by Cold Atmospheric Plasma and Exogenous RONS Solutions on Human Keratinocytes and Melanoma Cells. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021, 5, 835-842.	2.7	2
6	A light-regulated gene, TaLWD1L-A, affects flowering time in transgenic wheat ( <i>Triticum aestivum</i> L.). <i>Plant Science</i> , 2020, 299, 110623.	1.7	4
7	TaSPL13 regulates inflorescence architecture and development in transgenic wheat ( <i>Triticum aestivum</i> ) Tj ETQq1 1.0,784314,rgBT /Overlock 10	1.7	22
8	Effects of Cold Jet Atmospheric Pressure Plasma on the Structural Characteristics and Immunoreactivity of Celiac-Toxic Peptides and Wheat Storage Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1012.	1.8	9
9	Wheat PP2C-a10 regulates seed germination and drought tolerance in transgenic Arabidopsis. <i>Plant Cell Reports</i> , 2020, 39, 635-651.	2.8	35
10	Genomics-Enabled Analysis of Puroindoline b2 Genes Identifies New Alleles in Wheat and Related Triticeae Species. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1304.	1.8	3
11	<i>Candida albicans</i> biofilm inactivated by cold plasma treatment in vitro and in vivo. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900068.	1.6	16
12	Effects of an Additional Cysteine Residue of Avenin-like b Protein by Site-Directed Mutagenesis on Dough Properties in Wheat ( <i>Triticum aestivum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 8559-8572.	2.4	18
13	Identification and functional prediction of lncRNAs in response to PEG and ABA treatment in cassava. <i>Environmental and Experimental Botany</i> , 2019, 166, 103809.	2.0	12
14	Genome-Wide Identification and Homoeologous Expression Analysis of PP2C Genes in Wheat ( <i>Triticum</i> ) Tj ETQq0 0.0,rgBT /Overlock 10	1.1	60
15	Expression of Puroindoline a in Durum Wheat Affects Milling and Pasting Properties. <i>Frontiers in Plant Science</i> , 2019, 10, 482.	1.7	5
16	Strand-specific RNA-seq based identification and functional prediction of lncRNAs in response to melatonin and simulated drought stresses in cassava. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 96-104.	2.8	30
17	Co-expression of high-molecular-weight glutenin subunit 1Ax1 and Puroindoline a (Pina) genes in transgenic durum wheat ( <i>Triticum turgidum</i> ssp. durum) improves milling and pasting quality. <i>BMC Plant Biology</i> , 2019, 19, 126.	1.6	7
18	Identification of Potential Genes Responsible for Thermotolerance in Wheat under High Temperature Stress. <i>Genes</i> , 2019, 10, 174.	1.0	22

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19	Genome-wide identification and expression profiling of trihelix gene family under abiotic stresses in wheat. <i>BMC Genomics</i> , 2019, 20, 287.	1.2	43
20	Diversity of Puroindoline genes and their association with kernel hardness in Chinese wheat cultivars and landraces. <i>Molecular Breeding</i> , 2019, 39, 1.	1.0	6
21	Genome-wide identification and expression profiling of glutathione transferase gene family under multiple stresses and hormone treatments in wheat ( <i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2019, 20, 986.	1.2	40
22	Expression of TaGF14b, a 14-3-3 adaptor protein gene from wheat, enhances drought and salt tolerance in transgenic tobacco. <i>Planta</i> , 2018, 248, 117-137.	1.6	41
23	Ectopic expression of <i>BdCIPK31</i> confers enhanced low-temperature tolerance in transgenic tobacco plants. <i>Acta Biochimica Et Biophysica Sinica</i> , 2018, 50, 199-208.	0.9	21
24	A CBL-interacting protein kinase TaCIPK27 confers drought tolerance and exogenous ABA sensitivity in transgenic Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 103-113.	2.8	53
25	Genome-wide identification and analysis of WD40 proteins in wheat ( <i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2018, 19, 803.	1.2	46
26	Prospecting for Microelement Function and Biosafety Assessment of Transgenic Cereal Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 326.	1.7	5
27	The Late Embryogenesis Abundant Protein Family in Cassava ( <i>Manihot esculenta</i> Crantz): Genome-Wide Characterization and Expression during Abiotic Stress. <i>Molecules</i> , 2018, 23, 1196.	1.7	22
28	TaSnRK2.9, a Sucrose Non-fermenting 1-Related Protein Kinase Gene, Positively Regulates Plant Response to Drought and Salt Stress in Transgenic Tobacco. <i>Frontiers in Plant Science</i> , 2018, 9, 2003.	1.7	39
29	A wheat MYB transcriptional repressor TaMyb1D regulates phenylpropanoid metabolism and enhances tolerance to drought and oxidative stresses in transgenic tobacco plants. <i>Plant Science</i> , 2017, 265, 112-123.	1.7	66
30	Overview of the Wheat Genetic Transformation and Breeding Status in China. <i>Methods in Molecular Biology</i> , 2017, 1679, 37-60.	0.4	7
31	Effect of extra cysteine residue of new mutant 1Ax1 subunit on the functional properties of common wheat. <i>Scientific Reports</i> , 2017, 7, 7510.	1.6	18
32	Effect of the phytate and hydrogen peroxide chemical modifications on the physicochemical and functional properties of wheat starch. <i>Food Research International</i> , 2017, 100, 180-192.	2.9	26
33	Brachypodium distachyon BdPP2CA6 Interacts with BdPYLs and BdSnRK2 and Positively Regulates Salt Tolerance in Transgenic Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 264.	1.7	36
34	A Member of the 14-3-3 Gene Family in Brachypodium distachyon, BdGF14d, Confers Salt Tolerance in Transgenic Tobacco Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 340.	1.7	37
35	Functional Characterization of TaFUSCA3, a B3-Superfamily Transcription Factor Gene in the Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 1133.	1.7	32
36	BdCIPK31, a Calcineurin B-Like Protein-Interacting Protein Kinase, Regulates Plant Response to Drought and Salt Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 1184.	1.7	65

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37	A Wheat R2R3-type MYB Transcription Factor TaODORANT1 Positively Regulates Drought and Salt Stress Responses in Transgenic Tobacco Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1374.	1.7	112
38	Wheat CBL-interacting protein kinase 25 negatively regulates salt tolerance in transgenic wheat. <i>Scientific Reports</i> , 2016, 6, 28884.	1.6	30
39	Expansion and stress responses of AP2/EREBP superfamily in <i>Brachypodium distachyon</i> . <i>Scientific Reports</i> , 2016, 6, 21623.	1.6	82
40	A <i>Brachypodium distachyon</i> MAPKK Gene BdMCK6.2 Negatively Regulates Drought Stress Tolerance in Transgenic Tobacco Plants. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 121-134.	2.8	15
41	Identification of the ASR gene family from <i>Brachypodium distachyon</i> and functional characterization of BdASR1 in response to drought stress. <i>Plant Cell Reports</i> , 2016, 35, 1221-1234.	2.8	36
42	Transcriptome response to copper heavy metal stress in hard-shelled mussel ( <i>Mytilus coruscus</i> ). <i>Genomics Data</i> , 2016, 7, 152-154.	1.3	29
43	A CBL-Interacting Protein Kinase TaCIPK2 Confers Drought Tolerance in Transgenic Tobacco Plants through Regulating the Stomatal Movement. <i>PLoS ONE</i> , 2016, 11, e0167962.	1.1	31
44	TaNAC29, a NAC transcription factor from wheat, enhances salt and drought tolerance in transgenic <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2015, 15, 268.	1.6	257
45	A Census of Nuclear Cyanobacterial Recruits in the Plant Kingdom. <i>PLoS ONE</i> , 2015, 10, e0120527.	1.1	1
46	TaPP2C1, a Group F2 Protein Phosphatase 2C Gene, Confers Resistance to Salt Stress in Transgenic Tobacco. <i>PLoS ONE</i> , 2015, 10, e0129589.	1.1	28
47	Expression of TaWRKY44, a wheat WRKY gene, in transgenic tobacco confers multiple abiotic stress tolerances. <i>Frontiers in Plant Science</i> , 2015, 6, 615.	1.7	136
48	Genome-wide analysis of SnRK gene family in <i>Brachypodium distachyon</i> and functional characterization of BdSnRK2.9. <i>Plant Science</i> , 2015, 237, 33-45.	1.7	63
49	The lycopene $\beta$ -cyclase plays a significant role in provitamin A biosynthesis in wheat endosperm. <i>BMC Plant Biology</i> , 2015, 15, 112.	1.6	32
50	Identification and comprehensive analyses of the CBL and CIPK gene families in wheat ( <i>Triticum</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	1.6	106
51	Tannins improve dough mixing properties through affecting physicochemical and structural properties of wheat gluten proteins. <i>Food Research International</i> , 2015, 69, 64-71.	2.9	120
52	Metabolic Engineering of Wheat Provitamin A by Simultaneously Overexpressing <i>CrtB</i> and Silencing Carotenoid Hydroxylase ( <i>TaHYD</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9083-9092.	2.4	58
53	The <i>Brachypodium distachyon</i> BdWRKY36 gene confers tolerance to drought stress in transgenic tobacco plants. <i>Plant Cell Reports</i> , 2015, 34, 23-35.	2.8	86
54	Enrichment of provitamin A content in wheat ( <i>Triticum aestivum</i> L.) by introduction of the bacterial carotenoid biosynthetic genes <i>CrtB</i> and <i>CrtI</i> . <i>Journal of Experimental Botany</i> , 2014, 65, 2545-2556.	2.4	120

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55	Overexpression of Puroindoline a gene in transgenic durum wheat ( <i>Triticum turgidum</i> ssp. durum) leads to a mediumâ€hard kernel texture. <i>Molecular Breeding</i> , 2014, 33, 545-554.	1.0	22
56	A rice calcium-dependent protein kinase OsCPK9 positively regulates drought stress tolerance and spikelet fertility. <i>BMC Plant Biology</i> , 2014, 14, 133.	1.6	181
57	Transformation of common wheat ( <i>Triticum aestivum</i> L.) with avenin-like b gene improves flour mixing properties. <i>Molecular Breeding</i> , 2013, 32, 853-865.	1.0	29
58	<i>TaASR1</i> , a transcription factor gene in wheat, confers drought stress tolerance in transgenic tobacco. <i>Plant, Cell and Environment</i> , 2013, 36, 1449-1464.	2.8	204
59	Ectopic expression of wheat <i>TaCIPK14</i> , encoding a calcineurin Bâ€like proteinâ€interacting protein kinase, confers salinity and cold tolerance in tobacco. <i>Physiologia Plantarum</i> , 2013, 149, 367-377.	2.6	73
60	A Wheat WRKY Transcription Factor <i>TaWRKY10</i> Confers Tolerance to Multiple Abiotic Stresses in Transgenic Tobacco. <i>PLoS ONE</i> , 2013, 8, e65120.	1.1	212
61	Overexpression of Avenin-Like b Proteins in Bread Wheat ( <i>Triticum aestivum</i> L.) Improves Dough Mixing Properties by Their Incorporation into Glutenin Polymers. <i>PLoS ONE</i> , 2013, 8, e66758.	1.1	56
62	<i>TaCIPK29</i> , a CBL-Interacting Protein Kinase Gene from Wheat, Confers Salt Stress Tolerance in Transgenic Tobacco. <i>PLoS ONE</i> , 2013, 8, e69881.	1.1	98
63	The Interactive Effects of Transgenically Overexpressed 1Ax1 with Various HMW-GS Combinations on Dough Quality by Introgression of Exogenous Subunits into an Elite Chinese Wheat Variety. <i>PLoS ONE</i> , 2013, 8, e78451.	1.1	19
64	Isolation and Characterization of an Endosperm-Specific Promoter from Wheat ( <i>Triticum aestivum</i> L.). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 611-619.	0.6	10
65	Characterization of a Novel Pollen-Specific Promoter from Wheat ( <i>Triticum Aestivum</i> L.). <i>Plant Molecular Biology Reporter</i> , 2012, 30, 1426-1432.	1.0	16
66	ESTIMATION OF BROMATE IN FLOUR AND FLOUR PRODUCTS BY ION CHROMATOGRAPHY USING POST COLUMN DERIVATIZATION METHOD WITH TRIIODIDE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 36, 1-11.	0.5	6
67	Overexpression of a Wheat Aquaporin Gene, <i>TaAQP8</i> , Enhances Salt Stress Tolerance in Transgenic Tobacco. <i>Plant and Cell Physiology</i> , 2012, 53, 2127-2141.	1.5	193
68	Expression, purification and antimicrobial activity of puroindoline A protein and its mutants. <i>Amino Acids</i> , 2012, 43, 1689-1696.	1.2	20
69	Genome-Wide Identification and Analysis of MAPK and MAPKK Gene Families in <i>Brachypodium distachyon</i> . <i>PLoS ONE</i> , 2012, 7, e46744.	1.1	99
70	Plasmaâ€Induced Death of HepG2 Cancer Cells: Intracellular Effects of Reactive Species. <i>Plasma Processes and Polymers</i> , 2012, 9, 59-66.	1.6	184
71	Coexpression of the High Molecular Weight Glutenin Subunit 1Ax1 and Puroindoline Improves Dough Mixing Properties in Durum Wheat ( <i>Triticum turgidum</i> L. ssp. durum). <i>PLoS ONE</i> , 2012, 7, e50057.	1.1	28
72	Overexpression of the Wheat Aquaporin Gene, <i>TaAQP7</i> , Enhances Drought Tolerance in Transgenic Tobacco. <i>PLoS ONE</i> , 2012, 7, e52439.	1.1	185

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73	Sesamin induces melanogenesis by microphthalmia-associated transcription factor and tyrosinase up-regulation via cAMP signaling pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 763-770.	0.9	19
74	AtMYB12 gene: a novel visible marker for wheat transformation. <i>Molecular Biology Reports</i> , 2011, 38, 183-190.	1.0	18
75	Callus induction and plant regeneration in <i>Alternanthera philoxeroides</i> . <i>Molecular Biology Reports</i> , 2011, 38, 1413-1417.	1.0	9
76	Isolation via enrichment and characterization of ten polymorphic microsatellite loci in the cuttlefish, <i>Sepiella maindroni</i> de Rochebruns. <i>Acta Oceanologica Sinica</i> , 2010, 29, 121-124.	0.4	16
77	Isolation and heterologous transformation analysis of a pollen-specific promoter from wheat ( <i>Triticum aestivum</i> L.). <i>Molecular Biology Reports</i> , 2010, 37, 737-744.	1.0	35
78	cDNA cloning and expression analysis of wheat ( <i>Triticum aestivum</i> L.) phytoene and $\beta$ -carotene desaturase genes. <i>Molecular Biology Reports</i> , 2010, 37, 3351-3361.	1.0	24
79	Cloning and characterization of novel low molecular weight glutenin subunit genes from two <i>Aegilops</i> species with the C and D genomes. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 881-890.	0.8	4
80	Expression of the 1Ax1 transgene in an elite Chinese wheat variety and its effect on functional properties. <i>Journal of the Science of Food and Agriculture</i> , 2010, 90, 106-111.	1.7	16
81	Effects of tannic acid on gluten protein structure, dough properties and bread quality of Chinese wheat. <i>Journal of the Science of Food and Agriculture</i> , 2010, 90, 2462-2468.	1.7	50
82	On the Mechanism of Plasma Inducing Cell Apoptosis. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 2451-2457.	0.6	76
83	Proteomic analysis of soybean [ <i>Glycine max</i> (L.) Meer.] seeds during imbibition at chilling temperature. <i>Molecular Breeding</i> , 2010, 26, 1-17.	1.0	88
84	Effect of the atmospheric pressure nonequilibrium plasmas on the conformational changes of plasmid DNA. <i>Applied Physics Letters</i> , 2009, 95, 083702.	1.5	50
85	Optimization of <i>Agrobacterium</i> -mediated transformation conditions in mature embryos of elite wheat. <i>Molecular Biology Reports</i> , 2009, 36, 29-36.	1.0	53
86	Allelic variation and genetic diversity of high molecular weight glutenin subunit in Chinese endemic wheats ( <i>Triticum aestivum</i> L.). <i>Euphytica</i> , 2009, 166, 177.	0.6	19
87	Design of tandem genes cluster for isoflavone engineering. <i>Frontiers of Medicine in China</i> , 2009, 3, 292-296.	0.1	0
88	Expression of <i>phytoene synthase1</i> and <i>Carotene Desaturase</i> Genes Result in an Increase in the Total Carotenoids Content in Transgenic Elite Wheat ( <i>Triticum aestivum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8652-8660.	2.4	118
89	2, 3, 5, 4'-tetrahydroxystilbene-2-O- $\beta$ -D-glucoside (THSG) induces melanogenesis in B16 cells by MAP kinase activation and tyrosinase upregulation. <i>Life Sciences</i> , 2009, 85, 345-350.	2.0	74
90	Identification of Sugar Signals Controlling the Nitrate Uptake by Rice Roots Using a Noninvasive Technique. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2009, 64, 697-703.	0.6	4

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91	Expression of puroindoline a enhances leaf rust resistance in transgenic tetraploid wheat. <i>Molecular Biology Reports</i> , 2008, 35, 195-200.	1.0	39
92	Differential responses of lipid peroxidation and antioxidants in <i>Alternanthera philoxeroides</i> and <i>Oryza sativa</i> subjected to drought stress. <i>Plant Growth Regulation</i> , 2008, 56, 89-95.	1.8	33
93	Cloning, expression and characterization of novel avenin-like genes in wheat and related species. <i>Journal of Cereal Science</i> , 2008, 48, 734-740.	1.8	37
94	Inheritance and Expression of Copies of Transgenes 1Dx5 and 1Ax1 in Elite Wheat ( <i>Triticum aestivum</i> L.) Varieties Transferred from Transgenic Wheat through Conventional Crossing. <i>Acta Biochimica Et Biophysica Sinica</i> , 2007, 39, 377-383.	0.9	9
95	Optimization of wheat co-transformation procedure with gene cassettes resulted in an improvement in transformation frequency. <i>Molecular Biology Reports</i> , 2007, 34, 61-67.	1.0	34
96	An improved system to establish highly embryogenic haploid cell and protoplast cultures from pollen calluses of maize ( <i>Zea mays</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 86, 15-25.	1.2	10
97	Novel puroindoline and grain softness protein alleles in <i>Aegilops</i> species with the C, D, S, M and U genomes. <i>Theoretical and Applied Genetics</i> , 2005, 111, 1159-1166.	1.8	38