

Ibrokhim Y Abdurakhmonov

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,972
citations

567281

15
h-index

276875

41
g-index

66
all docs

66
docs citations

66
times ranked

1927
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Sequencing Cotton (<i>Gossypium</i>) Genomes: Figure 1.. <i>Plant Physiology</i> , 2007, 145, 1303-1310.	4.8	390
2	Application of Association Mapping to Understanding the Genetic Diversity of Plant Germplasm Resources. <i>International Journal of Plant Genomics</i> , 2008, 2008, 1-18.	2.2	221
3	Wild Relatives of Maize, Rice, Cotton, and Soybean: Treasure Troves for Tolerance to Biotic and Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2018, 9, 886.	3.6	211
4	Molecular diversity and association mapping of fiber quality traits in exotic <i>G. hirsutum</i> L. germplasm. <i>Genomics</i> , 2008, 92, 478-487.	2.9	179
5	Linkage disequilibrium based association mapping of fiber quality traits in <i>G. hirsutum</i> L. variety germplasm. <i>Genetica</i> , 2009, 136, 401-417.	1.1	144
6	Status of the Global Cotton Germplasm Resources. <i>Crop Science</i> , 2010, 50, 1161-1179.	1.8	115
7	Genome Editing in Plants: An Overview of Tools and Applications. <i>International Journal of Agronomy</i> , 2017, 2017, 1-15.	1.2	82
8	Microsatellite markers associated with lint percentage trait in cotton, <i>Gossypium hirsutum</i> . <i>Euphytica</i> , 2007, 156, 141-156.	1.2	57
9	Phytochrome RNAi enhances major fibre quality and agronomic traits of the cotton <i>Gossypium hirsutum</i> L. <i>Nature Communications</i> , 2014, 5, 3062.	12.8	51
10	Small RNA regulation of ovule development in the cotton plant, <i>G. hirsutum</i> L. <i>BMC Plant Biology</i> , 2008, 8, 93.	3.6	37
11	Genetic diversity and population structure of cotton (<i>Gossypium</i> spp.) of the New World assessed by SSR markers. <i>Botany</i> , 2013, 91, 251-259.	1.0	37
12	RNA Interference for Functional Genomics and Improvement of Cotton (<i>Gossypium</i> sp.). <i>Frontiers in Plant Science</i> , 2016, 7, 202.	3.6	36
13	Genetic Diversity, QTL Mapping, and Marker-Assisted Selection Technology in Cotton (<i>Gossypium</i> spp.). <i>Frontiers in Plant Science</i> , 2021, 12, 779386.	3.6	29
14	Simple Sequence Repeat Marker Associated with a Natural Leaf Defoliation Trait in Tetraploid Cotton. <i>Journal of Heredity</i> , 2005, 96, 644-653.	2.4	21
15	Role of MicroRNAs and small RNAs in regulation of developmental processes and agronomic traits in <i>Gossypium</i> species. <i>Genomics</i> , 2019, 111, 1018-1025.	2.9	19
16	The Role of Induced Mutation in Conversion of Photoperiod Dependence in Cotton. <i>Journal of Heredity</i> , 2007, 98, 258-266.	2.4	18
17	Molecular confirmation of <i>Gossypium hirsutum</i> chromosome substitution lines. <i>Euphytica</i> , 2015, 205, 459-473.	1.2	17
18	Genomics-Assisted Plant Breeding in the 21st Century: Technological Advances and Progress. , 0, , .		16

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19	Development, genetic mapping and QTL association of cotton PHYA, PHYB, and HY5-specific CAPS and dCAPS markers. <i>BMC Genetics</i> , 2016, 17, 141.	2.7	15
20	Genetic diversity, linkage disequilibrium, and association mapping analyses of <i>Gossypium barbadense</i> L. germplasm. <i>PLoS ONE</i> , 2017, 12, e0188125.	2.5	15
21	Chitin-binding antifungal protein from <i>Ficus carica</i> latex. <i>Chemistry of Natural Compounds</i> , 2008, 44, 216-219.	0.8	14
22	Solid-Phase Colorimetric Method for the Quantification of Fucoidan. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 1019-1024.	2.9	12
23	Duplication, divergence and persistence in the Phytochrome photoreceptor gene family of cottons (<i>Gossypium</i> spp.). <i>BMC Plant Biology</i> , 2010, 10, 119.	3.6	11
24	Genetic Diversity in <i>Gossypium</i> genus. , 0, , .		11
25	Genomics Era for Plants and Crop Species – Advances Made and Needed Tasks Ahead. , 0, , .		11
26	QTL mapping for flowering-time and photoperiod insensitivity of cotton <i>Gossypium darwinii</i> Watt. <i>PLoS ONE</i> , 2017, 12, e0186240.	2.5	11
27	World Cotton Germplasm Resources. , 2014, , .		11
28	Molecular Characterization of Uzbekistan Isolates of <i>Fusarium oxysporum</i> f. sp. <i>vasinfectum</i> . <i>Journal of Plant Science and Molecular Breeding</i> , 2013, 2, 3.	1.2	11
29	Methodologies for In Vitro Cloning of Small RNAs and Application for Plant Genome(s). <i>International Journal of Plant Genomics</i> , 2009, 2009, 1-13.	2.2	10
30	Clustering, haplotype diversity and locations of MIC-3: a unique root-specific defense-related gene family in Upland cotton (<i>Gossypium hirsutum</i> L.). <i>Theoretical and Applied Genetics</i> , 2010, 120, 587-606.	3.6	10
31	Bioinformatics: Basics, Development, and Future. , 0, , .		10
32	Genome-wide identification and characterization of microRNAs differentially expressed in fibers in a cotton phytochrome A1 RNAi line. <i>PLoS ONE</i> , 2017, 12, e0179381.	2.5	9
33	Introduction to Microsatellites: Basics, Trends and Highlights. , 0, , .		8
34	Functional intron-derived miRNAs and host-gene expression in plants. <i>Plant Methods</i> , 2018, 14, 83.	4.3	8
35	Transcriptome Analysis of Ten-DPA Fiber in an Upland Cotton (<i>Gossypium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 American Journal of Plant Sciences, 2017, 08, 2530-2553.	0.8	8
36	Chromosome Substitution Lines: Concept, Development and Utilization in the Genetic Improvement of Upland Cotton. , 0, , .		7

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37	Profiling of the most reliable mutations from sequenced SARS-CoV-2 genomes scattered in Uzbekistan. PLoS ONE, 2022, 17, e0266417.	2.5	7
38	Registration of three <i>Gossypium barbadense</i> L. American pima-like germplasm lines (PSSJâ€FRP01,) Tj ETQq0 0 0 rgBT /Overlock Journal of Plant Registrations, 2022, 16, 626-634.	0.5	7
39	Cytogenetic Characteristics of New Monosomic Stocks of Cotton (<i>Gossypium hirsutum</i> L.). Genetics Research International, 2011, 2011, 1-12.	2.0	6
40	Detection of <i>Fusarium oxysporum</i> f. sp. v <i>asinfectum</i> race 3 by single-base extension method and allele-specific polymerase chain reaction. Canadian Journal of Plant Pathology, 2014, 36, 216-223.	1.4	6
41	Analyses of Fusarium wilt race 3 resistance in Upland cotton (<i>Gossypium hirsutum</i> L.). Genetica, 2015, 143, 385-392.	1.1	5
42	Morphological characteristics and identification of new monosomic stocks for cotton (<i>Gossypium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	5
43	Cotton Breeding in the View of Abiotic and Biotic Stresses: Challenges and Perspectives. , 0, , .		5
44	Development of Superior Fibre Quality Upland Cotton Cultivar Series â€Ravnaqâ€™ Using Marker-Assisted Selection. Frontiers in Plant Science, 2022, 13, .	3.6	5
45	Molecular evolution of the clustered MIC-3 multigene family of <i>Gossypium</i> species. Theoretical and Applied Genetics, 2011, 123, 1359-1373.	3.6	4
46	Characterization of Small RNAs and Their Targets from <i>Fusarium oxysporum</i> Infected and Noninfected Cotton Root Tissues. Plant Molecular Biology Reporter, 2016, 34, 698-706.	1.8	4
47	Cotton Germplasm Collection of Uzbekistan. , 0, , .		4
48	Bioinformatics - Updated Features and Applications. , 2016, , .		4
49	Genome sequence diversity of SARS-CoV-2 obtained from clinical samples in Uzbekistan. PLoS ONE, 2022, 17, e0270314.	2.5	4
50	RNA Interference â€“ A Hallmark of Cellular Function and Gene Manipulation. , 0, , .		3
51	Introductory Chapter: Introduction to Cotton Research Highlights. , 0, , .		3
52	Comparative assessment of genetic diversity in cytoplasmic and nuclear genome of upland cotton. Genetica, 2016, 144, 289-306.	1.1	3
53	A High-Throughput Standard PCR-Based Genotyping Method for Determining Transgene Zygosity in Segregating Plant Populations. Frontiers in Plant Science, 2017, 8, 1252.	3.6	3
54	Recent Developments in Fiber Genomics of Tetraploid Cotton Species. , 2018, , .		3

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55	Alteration of root and shoot morphologies by interspecific replacement of individual Upland cotton chromosome or chromosome segment pairs. <i>Euphytica</i> , 2021, 217, 1.	1.2	3
56	The Cotton-Insect Interactive Transcriptome – Molecular Elements Involved in Plant-Insect Interactions. , 2018, , 62-73.		2
57	Transcriptome Analysis of Ten Days Post Anthesis Elongating Fiber in the Upland Cotton (<i>Gossypium hirsutum</i>) Chromosome Substitution Line CS-B25. <i>American Journal of Plant Sciences</i> , 2018, 09, 1334-1361.	0.8	2
58	Low molecular fucoidan and its macromolecular complex with bee venom melittin. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2011, 02, 298-303.	0.7	1
59	Using of Genome Editing Methods in Plant Breeding. , 0, , .		1
60	Cotton as a Model for Polyploidy and Fiber Development Study. , 0, , .		1
61	Gene Flow at the Crossroads of Humanity: mtDNA Sequence Diversity and Alu Insertion Polymorphism Frequencies in Uzbekistan. <i>The Open Genomics Journal</i> , 2009, 2, 1-11.	0.5	1
62	Overview of the Biosafety and Risk Assessment Steps for Insect-resistant Biotech Crops. , 2018, , 178-203.		1
63	Introductory Chapter: Global Cotton Research Development Trends for the Past Five Years - Key Directions. , 0, , .		0