Yaroslav B Blume

List of Publications by Year
in descending order

172	2,078	304602	377752
papers	citations	22 h-index	34 g-index

179	179	179	1877
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Post-translational modifications and multiple tubulin isoforms in Nicotiana tabacum L. cells. Planta, 1997, 201, 349-358.	1.6	74
2	Nitric oxide signalling via cytoskeleton in plants. Plant Science, 2011, 181, 545-554.	1.7	68
3	Biosynthesis of cadmium sulphide quantum dots by usingPleurotus ostreatus(Jacq.) P. Kumm. Biotechnology and Biotechnological Equipment, 2015, 29, 1156-1163.	0.5	67
4	UV-B overexposure induces programmed cell death in a BY-2 tobacco cell line. Environmental and Experimental Botany, 2010, 68, 51-57.	2.0	59
5	Plant genetic transformation using carbon nanotubes for DNA delivery. Cytology and Genetics, 2015, 49, 349-357.	0.2	58
6	Biosynthesis of luminescent CdS quantum dots using plant hairy root culture. Nanoscale Research Letters, 2014, 9, 2407.	3.1	56
7	Nitric oxide as a critical factor for perception of UVâ€B irradiation by microtubules in Arabidopsis. Physiologia Plantarum, 2012, 145, 505-515.	2.6	54
8	Structural modeling of the interaction of plant Î±-tubulin with dinitroaniline and phosphoroamidate herbicides. Cell Biology International, 2003, 27, 171-174.	1.4	52
9	Effects of tyrosine kinase and phosphatase inhibitors on microtubules in Arabidopsis root cells. Cell Biology International, 2008, 32, 630-637.	1.4	50
10	Tyrosine phosphorylation of plant tubulin. Planta, 2008, 229, 143-150.	1.6	48
11	Efficient callus formation and plant regeneration of goosegrass [Eleusine indica (L.) Gaertn.]. Plant Cell Reports, 2003, 21, 503-510.	2.8	37
12	Tubulin tyrosine nitration regulates microtubule organization in plant cells. Frontiers in Plant Science, 2013, 4, 530.	1.7	37
13	Plantâ€based biopharming of recombinant human lactoferrin. Cell Biology International, 2014, 38, 989-1002.	1.4	32
14	Investigation of novel oligoelectrolyte polymer carriers for their capacity of DNA delivery into plant cells. Plant Cell, Tissue and Organ Culture, 2017, 131, 27-39.	1.2	31
15	RNAi-Based Biocontrol of Wheat Nematodes Using Natural Poly-Component Biostimulants. Frontiers in Plant Science, 2019, 10, 483.	1.7	28
16	Green potential ofPleurotusspp. in biotechnology. PeerJ, 2019, 7, e6664.	0.9	28
17	Synthesis, Properties and Bioimaging Applications of Silver-Based Quantum Dots. International Journal of Molecular Sciences, 2021, 22, 12202.	1.8	28
18	Heavy metals have a different action from aluminium in disrupting microtubules in Allium cepa meristematic cells. Cell Biology International, 2003, 27, 193-195.	1.4	26

#	Article	IF	Citations
19	Plant microtubules reorganization under the indirect UV-B exposure and during UV-B-induced programmed cell death. Plant Signaling and Behavior, 2013, 8, e24031.	1.2	26
20	Involvement of Inositol Biosynthesis and Nitric Oxide in the Mediation of UV-B Induced Oxidative Stress. Frontiers in Plant Science, 2016, 7, 430.	1.7	26
21	Development of transformation vectors based upon a modified plant Î±-tubulin gene as the selectable marker. Cell Biology International, 2008, 32, 566-570.	1.4	24
22	Bioinformatic search of plant microtubule-and cell cycle related serine-threonine protein kinases. BMC Genomics, 2010, 11, S14.	1.2	23
23	A somaclonal line SE7 of finger millet (Eleusine coracana) exhibits modified cytokinin homeostasis and increased grain yield. Journal of Experimental Botany, 2012, 63, 5497-5506.	2.4	23
24	Effects of phytohormones on the cytoskeleton of the plant cell. Russian Journal of Plant Physiology, 2012, 59, 515-529.	0.5	23
25	Plant Feedstocks and their Biogas Production Potentials. Open Agriculture Journal, 2020, 14, 219-234.	0.3	23
26	Exposure of beta-tubulin regions defined by antibodies on an Arabidopsis thalianamicrotubule protofilament model and in the cells. BMC Plant Biology, 2010, 10, 29.	1.6	22
27	Biobutanol as an alternative type of fuel. Cytology and Genetics, 2013, 47, 366-382.	0.2	22
28	Obtaining the transgenic lines of finger millet Eleusine coracana (L.). with dinitroaniline resistance. Cytology and Genetics, 2014, 48, 139-144.	0.2	21
29	Title is missing!. Russian Journal of Plant Physiology, 2002, 49, 413-418.	0.5	19
30	Effects of the herbicide isopropylâ€Nâ€phenyl carbamate on microtubules and MTOCs in lines of Nicotiana sylvestris resistant and sensitive to its action. Cell Biology International, 2008, 32, 623-629.	1.4	19
31	Influence of 24-epibrassinolide on lipid signalling and metabolism in Brassica napus. Plant Growth Regulation, 2014, 73, 9-17.	1.8	19
32	Tubulin acetylation accompanies autophagy development induced by different abiotic stimuli in Arabidopsis thaliana. Cell Biology International, 2019, 43, 1056-1064.	1.4	18
33	Alteration of Î²-tubulin in Nicotiana plumbaginifolia confers resistance to amiprophos-methyl. Theoretical and Applied Genetics, 1998, 97, 464-472.	1.8	17
34	Distinct tubulin genes are differentially expressed during barley grain development. Physiologia Plantarum, 2007, 131, 571-580.	2.6	17
35	Genomeâ€wide identification, phylogenetic classification, and exonâ€“intron structure characterization of the tubulin and actin genes in flax (Linum usitatissimum). Cell Biology International, 2019, 43, 1010-1019.	1.4	17
36	Differential expression of two winter wheat alpha-tubulin genes during cold acclimation. Cell Biology International, 2008, 32, 574-578.	1.4	16

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37	Establishment of in vitro culture, plant regeneration, and genetic transformation of Camelina sativa. Cytology and Genetics, 2013, 47, 138-144.	0.2	16
38	Involvement of plant cytoskeleton in cellular mechanisms of metal toxicity. Cytology and Genetics, 2016, 50, 47-59.	0.2	16
39	Effect of 24-epibrassinolide on Brassica napus alternative respiratory pathway, guard cells movements and phospholipid signaling under salt stress. Steroids, 2017, 117, 16-24.	0.8	16
40	Legal Regulation of Plant Genome Editing with the CRISPR/Cas9 Technology as an Example. Cytology and Genetics, 2018, 52, 204-212.	0.2	16
41	Generation of transgenic barley lines producing human lactoferrin using mutant alpha-tubulin gene as the selective marker. Cytology and Genetics, 2011, 45, 1-6.	0.2	15
42	Inhibitors of tyrosine kinases and phosphatases as a tool for the investigation of microtubule role in plant cold response. Cytology and Genetics, 2012, 46, 1-8.	0.2	15
43	An Effective Procedure for In Vitro Culture of Eleusine coracana (L.) and Its Application. ISRN Botany, 2013, 2013, 1-7.	0.8	15
44	â€œGreenâ€•synthesis of Ag2S nanoparticles, study of their properties and bioimaging applications. Applied Nanoscience (Switzerland), 2020, 10, 4931-4940.	1.6	15
45	Microtubular and Cytoskeletal Mutants. Plant Cell Monographs, 2000, , 159-191.	0.4	15
46	Exposure of tubulin structural domains in Nicotiana tabacum microtubules probed by monoclonal antibodies. European Journal of Cell Biology, 1997, 72, 104-12.	1.6	15
47	Structural and biological characterization of the tubulin interaction with dinitroanilines. Cytology and Genetics, 2009, 43, 267-282.	0.2	14
48	Extracellular Synthesis of Luminescent CdS Quantum Dots Using Plant Cell Culture. Nanoscale Research Letters, 2016, 11, 100.	3.1	13
49	Intron length polymorphism of Î²â€tubulin genes of Aegilops biuncialis Vis. Cell Biology International, 2019, 43, 1031-1039.	1.4	13
50	Specific interactions between tau protein and curcumin derivatives: Molecular docking and ab initio molecular orbital simulations. Journal of Molecular Graphics and Modelling, 2020, 98, 107611.	1.3	13
51	Identification of the allelic state of the Lr34 leaf rust resistance gene in soft winter wheat cultivars developed in Ukraine. Cytology and Genetics, 2011, 45, 271-276.	0.2	12
52	DMAEMâ€based cationic polymers as novel carriers for DNA delivery into cells. Cell Biology International, 2015, 39, 243-245.	1.4	12
53	Epicuticular Wax Composition of Leaves of Tilia L. Trees as a Marker of Adaptation to the Climatic Conditions of the Steppe Dnieper. Cytology and Genetics, 2018, 52, 323-330.	0.2	12
54	Cadmium, nickel, copper, and zinc influence on microfilament organization in Arabidopsis root cells. Cell Biology International, 2021, 45, 211-226.	1.4	12

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55	Application of GFP technique for cytoskeleton visualization onboard the International Space Station. Acta Astronautica, 2005, 56, 613-621.	1.7	11
56	High biomass producers and promising candidates for biodiesel production from microalgae collection IBASU-A(Ukraine). Oceanological and Hydrobiological Studies, 2016, 45, 79-85.	0.3	11
57	Intra- and intertissular cytomictic interactions in the microsporogenesis of mono- and dicotyledonous plants. Cytology and Genetics, 2016, 50, 267-277.	0.2	11
58	Advances, Problems, and Prospects of Genetic Transformation of Fungi. Cytology and Genetics, 2018, 52, 139-154.	0.2	11
59	Cytoskeleton and nucleoskeleton involvement in processes of cytomixis in plants. Cell Biology International, 2019, 43, 999-1009.	1.4	11
60	Silver nanoparticles as inhibitors of insulin amyloid formation: A fluorescence study. Journal of Molecular Liquids, 2021, 342, 117508.	2.3	11
61	Ethanol Production Potential of Sweet Sorghum in North and Central Ukraine. Open Agriculture Journal, 2020, 14, 321-338.	0.3	11
62	Evaluating the Diversity and Breeding Prospects of Ukrainian Spring Camelina Genotypes. Cytology and Genetics, 2020, 54, 420-436.	0.2	11
63	The effect of dinitroaniline and phosphorothioamidate herbicides on polyploidisation in vitro of Nepeta plants. Cell Biology International, 2003, 27, 229-231.	1.4	10
64	Screening of new 2,4- and 2,6-dinitroaniline derivates for phytotoxicity and antimitotic activity. Cytology and Genetics, 2009, 43, 297-304.	0.2	10
65	Effects of inhibitors of serine/threonine protein kinases on Arabidopsis thaliana root morphology and microtubule organization in its cells. Cell and Tissue Biology, 2010, 4, 399-409.	0.2	10
66	Induction of Bacterial Canker Resistance in Tomato Plants Using Plant Growth Promoting Rhizobacteria. Open Agriculture Journal, 2019, 13, 215-222.	0.3	10
67	Biobutanol Production from Plant Biomass. Open Agriculture Journal, 2020, 14, 187-197.	0.3	10
68	RNAi-mediated Resistance against Plant Parasitic Nematodes of Wheat Plants Obtained in Vitro Using Bioregulators of Microbiological Origin. Current Chemical Biology, 2019, 13, 73-89.	0.2	10
69	Obtaining and analysis of isopropyl-N-phenyl carbamate resistant lines of Nicotiana species. Cell Biology International, 2003, 27, 307-310.	1.4	9
70	Creation of transgenic sugar beet lines expressing insect pest resistance genes cry1C and cry2A. Cytology and Genetics, 2014, 48, 69-75.	0.2	9
71	CdS Quantum Dots Obtained by â€œGreenâ€•Synthesis: Comparative Analysis of Toxicity and Effects on the Proliferative and Adhesive Activity of Human Cells. Cytology and Genetics, 2019, 53, 132-142.	0.2	9
72	Structural and functional features of lysine acetylation of plant and animal tubulins. Cell Biology International, 2019, 43, 1040-1048.	1.4	9

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73	Proposal of therapeutic curcumin derivatives for Alzheimerâ€™s disease based on ab initio molecular simulations. Chemical Physics Letters, 2020, 738, 136883.	1.2	9
74	Quantum Dot-Antibody Conjugates for Immunofluorescence Studies of Biomolecules and Subcellular Structures. Journal of Fluorescence, 2022, 32, 1713-1723.	1.3	9
75	Isolation and amplification of cDNA from the conserved region of the nematode Heterodera schachtii 8H07 gene with a close similarity to its homolog in rape plants. Cytology and Genetics, 2012, 46, 335-341.	0.2	8
76	Nitric Oxide and UV-B Radiation. , 2015, , 141-154.		8
77	Expression analysis of cellulose synthase and main cytoskeletal protein genes in flax (Linum) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	8
78	Nitric oxide synthase inhibitor Lâ€NAME affects Arabidopsis root growth, morphology, and microtubule organization. Cell Biology International, 2019, 43, 1049-1055.	1.4	8
79	Protein phosphatases potentially associated with regulation of microtubules, their spatial structure reconstruction and analysis. Cell Biology International, 2019, 43, 1081-1090.	1.4	8
80	Flax tubulin and CesA superfamilies represent attractive and challenging targets for a variety of genome- and base-editing applications. Functional and Integrative Genomics, 2020, 20, 163-176.	1.4	8
81	Binding sites of Zantrin inhibitors to the bacterial cell division protein FtsZ: Molecular docking and ab initio molecular orbital calculations. Chemical Physics, 2020, 530, 110603.	0.9	8
82	Evaluation of Potential Biodiesel Feedstocks: Camelina, Turnip Rape, Oil Radish and Tyfon. Open Agriculture Journal, 2020, 14, 299-320.	0.3	8
83	Genetically Engineered Microalgae for Enhanced Biofuel Production. Current Biotechnology, 2016, 5, 256-265.	0.2	8
84	Title is missing!. Russian Journal of Plant Physiology, 2002, 49, 381-386.	0.5	7
85	Identification of Plant Homologues of Dual Specificity Yak1-Related Kinases. Computational Biology Journal, 2014, 2014, 1-14.	0.6	7
86	Mapping a new secalin locus on the rye 1RS arm. Cytology and Genetics, 2014, 48, 203-207.	0.2	7
87	Bioinformatic search for cellulose synthase genes in flax (Linum usitatissimum) and their phylogenetic analysis. Cytology and Genetics, 2015, 49, 279-287.	0.2	7
88	Influence of cold on organization of actin filaments of different types of root cells in Arabidopsis thaliana. Cytology and Genetics, 2016, 50, 318-323.	0.2	7
89	Histochemical Analysis of Tissue-Specific Î±-Tubulin Acetylation as a Response to Autophagy Induction by Different Stress Factors in Arabidopsis thaliana. Cytology and Genetics, 2018, 52, 245-252.	0.2	7
90	Intron length polymorphism of Î²-tubulin genes in Deschampsia antarctica Ã‰. Desv. across the western coast of the Antarctic Peninsula. Polar Science, 2019, 19, 151-154.	0.5	7

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91	Obtaining Transgenic Potato Plants Expressing the Human Lactoferrin Gene and Analysis of Their Resistance to Phytopathogens. Cytology and Genetics, 2020, 54, 179-188.	0.2	7
92	Current Approaches to Identification of Fusarium Fungi Infecting Wheat. Cytology and Genetics, 2021, 55, 433-446.	0.2	7
93	The effect of okadaic acid on Arabidopsis thaliana root morphology and microtubule organization in its cells. Cytology and Genetics, 2009, 43, 1-8.	0.2	6
94	Effects of tyrosine kinase and phosphatase inhibitors on mitosis progression in synchronized tobacco BY-2 cells. Cytology and Genetics, 2012, 46, 263-271.	0.2	6
95	Docking small ligands to molecule of the plant FtsZ protein: Application of the CUDA technology for faster computations. Cytology and Genetics, 2012, 46, 172-179.	0.2	6
96	Increasing the resistance of rape plants to the parasitic nematode Heterodera schachtii using RNAi technology. Cytology and Genetics, 2013, 47, 222-230.	0.2	6
97	Genetic transformation of flax (Linum usaitatissimum L.) with the chimeric GFP-TUA6 gene for the visualization of microtubules. Cytology and Genetics, 2013, 47, 63-69.	0.2	6
98	Non-covalent Functionalization of Carbon Nanotubes for Efficient Gene Delivery. Springer Proceedings in Physics, 2016, , 355-370.	0.1	6
99	Specific interactions between mycobacterial FtsZ protein and curcumin derivatives: Molecular docking and ab initio molecular simulations. Chemical Physics Letters, 2018, 692, 166-173.	1.2	6
100	Studying Recombination between the 1RS Arms from the Rye Petkus and Insave Involved in the 1BL.1RS and 1AL.1RS Translocations using Storage Protein Loci as Genetic Markers. Cytology and Genetics, 2018, 52, 440-447.	0.2	6
101	Molecular Genetic Evaluation of Ukrainian Flax Cultivar Homogeneity Based on Intron Length Polymorphism of Actin Genes and Microsatellite Loci. Cytology and Genetics, 2018, 52, 448-460.	0.2	6
102	Changes in Allele Frequencies at Storage Protein Loci of Winter Common Wheat under Climate Change. Cytology and Genetics, 2020, 54, 305-317.	0.2	6
103	Finger Millet as a Sustainable Feedstock for Bioethanol Production. Open Agriculture Journal, 2020, 14, 257-272.	0.3	6
104	Cloning and expression of the tubulin genes in barley. Cell Biology International, 2008, 32, 557-559.	1.4	5
105	Study of the effects produced by gamma-irradiation of common wheat F1 seeds using gliadins as genetic markers. Cytology and Genetics, 2013, 47, 13-19.	0.2	5
106	Allelic state of the molecular marker for golden nematode (Globodera rostochiensis) resistance gene H1 among Ukrainian and world potato (Solanum tuberosum ssp. tuberosum) cultivars. Cytology and Genetics, 2013, 47, 294-297.	0.2	5
107	Biodiesel from microalgae: Ways for increasing the effectiveness of lipid accumulation by genetic engineering methods. Cytology and Genetics, 2013, 47, 349-358.	0.2	5
108	Alleles at storage protein loci in Triticum spelta L. accessions and their occurrence in related wheats. Cytology and Genetics, 2014, 48, 33-41.	0.2	5

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109	Application of Carbon Nanotubes for Plant Genetic Transformation. Springer Proceedings in Physics, 2015, , 233-255.	0.1	5
110	Brassinosteroids application induces phosphatidic acid production and modify antioxidant enzymes activity in tobacco in calcium-dependent manner. Steroids, 2021, 168, 108444.	0.8	5
111	Plant Tubulin Phosphorylation And Its Role In Cell Cycle Progression. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 145-159.	0.1	5
112	Identification and Biological Properties of the Pathogen of Soft Rot of Tomatoes in the Greenhouse. Open Agriculture Journal, 2020, 14, 290-298.	0.3	5
113	High-Efficiency Ukrainian Strains of Microalgae for Biodiesel Fuel Production (Overview). Open Agriculture Journal, 2020, 14, 209-218.	0.3	5
114	Estimation of the callus formation and regeneration efficiency in spring varieties of barley zoned in Ukraine. Cytology and Genetics, 2009, 43, 230-236.	0.2	4
115	MAST2-like proteinkinase from grape Vitis vinifera: Cloning of catalytic domain cDNA. Cytology and Genetics, 2010, 44, 227-232.	0.2	4
116	Bioinformatic search for plant homologs of the protein kinase Bub1â€”a key component of the mitotic spindle assembly checkpoint. Cytology and Genetics, 2010, 44, 376-388.	0.2	4
117	Reconstruction of the spatial structure of plant phosphatases types 1 and 2A in complexes with okadaic acid. Cytology and Genetics, 2011, 45, 153-162.	0.2	4
118	Bioinformatic comparison of human and higher plant phosphatomes. Cytology and Genetics, 2015, 49, 207-219.	0.2	4
119	Influence of solvating water molecules on the attacking mechanisms of OH-radical to DNA base pairs: DFT calculations in explicit waters. Structural Chemistry, 2016, 27, 1793-1806.	1.0	4
120	MAST-like protein kinase IREH1 from Arabidopsis thaliana co-localizes with the centrosome when expressed in animal cells. Planta, 2017, 246, 959-969.	1.6	4
121	A JOURNEY THROUGH PLANT CYTOSKELETON: HOT SPOTS IN SIGNALING AND FUNCTIONING. Cell Biology International, 2019, 43, 978-982.	1.4	4
122	The Potential Role of SnRK1 Protein Kinases in the Regulation of Cell Division in Arabidopsis thaliana. Cytology and Genetics, 2019, 53, 185-191.	0.2	4
123	Analysis of Î±-Tubulin Gene Expression During Cold Acclimation of Winter and Spring Soft Wheat. Cytology and Genetics, 2019, 53, 23-33.	0.2	4
124	A journey through a plant cytoskeleton: Hot spots in signaling and functioning. Cell Biology International, 2020, 44, 1262-1266.	1.4	4
125	In silico mechanistic model of microtubule assembly inhibition by selective chromone derivatives. Journal of Molecular Structure, 2021, 1241, 130633.	1.8	4
126	Induction of Polyploidy in Giant Miscanthus (Miscanthus Ã— Giganteus Greef Et Deu.). Proceedings of the Latvian Academy of Sciences, 2020, 74, 206-214.	0.0	4

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127	Structural mechanisms of interaction of cyanolcrylates with plant tubulin. Cytology and Genetics, 2014, 48, 7-14.	0.2	3
128	Efficiency of the induction of cytomixis in the microsporogenesis of dicotyledonous (N. tabacum L.) and monocotyledonous (H. distichum L.) plants by thermal stress. Russian Journal of Developmental Biology, 2016, 47, 335-347.	0.1	3
129	3D structure prediction of histone acetyltransferase proteins of the MYST family and their interactome in Arabidopsis thaliana. Journal of Molecular Modeling, 2016, 22, 256.	0.8	3
130	Binding properties between curcumin and malarial tubulin: molecular-docking and ab initio fragment molecular orbital calculations. Chem-Bio Informatics Journal, 2018, 18, 44-57.	0.1	3
131	Motif-Based Prediction of Plant Tubulin Phosphorylation Sites Associated with Calcium-Dependent Protein Kinases in Arabidopsis thaliana. Cytology and Genetics, 2018, 52, 428-439.	0.2	3
132	Genetic Background of the Resistance against Parasitic Nematodes in Wheat. Cytology and Genetics, 2019, 53, 315-320.	0.2	3
133	Studying the Role of Protein Kinases CK1 in Organization of Cortical Microtubules in Arabidopsis thaliana Root Cells. Cytology and Genetics, 2019, 53, 441-450.	0.2	3
134	Obtaining Wheat (Triticum aestivum L.) Lines with Yeast Genes for Trehalose Biosynthesis. Cytology and Genetics, 2020, 54, 283-292.	0.2	3
135	Intraspecific Differentiation in White Mistletoe (Viscum album L.) Using the Analysis of Intron Length Polymorphism of Î²-Tubulin Genes and the SSR Analysis. Cytology and Genetics, 2021, 55, 1-9.	0.2	3
136	Modified Tubulin Genes as Selectable Markers for Plant Transformation. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 435-454.	0.1	3
137	Clinorotation Affects Induction of the Heat Shock Response in Arabidopsis thaliana Seedlings. Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research, 2018, 6, 2-9.	0.3	3
138	Efficiency of Switchgrass (Panicum virgatum L.) Cultivation in the Ukrainian Forest-Steppe Zone and Development of Its New Lines. Open Agriculture Journal, 2020, 14, 273-289.	0.3	3
139	Bioinformatics search for plant homologues of Ste20-like serine/threonine protein kinases. Cytology and Genetics, 2009, 43, 419-428.	0.2	2
140	Sr33 and Sr35 gene homolog identification in genomes of cereals related to Aegilops tauschii and Triticum monococcum. Cytology and Genetics, 2016, 50, 221-230.	0.2	2
141	Influence of protein kinase KIN10 gene expression on root phenotype of Arabidopsis thaliana root system under condition of energy stress. Cytology and Genetics, 2016, 50, 215-220.	0.2	2
142	Genetic marking of glume color in Triticum spelta L. var. caeruleum using gliadins. Cytology and Genetics, 2016, 50, 168-172.	0.2	2
143	Effect of Zn ion on the structure and electronic states of AÎ² nonamer: molecular dynamics and ab initio molecular orbital calculations. Molecular Simulation, 2019, 45, 706-715.	0.9	2
144	3Dâ€modeling of carboxylâ€terminal phosphorylation of plant Î±Î²â€tubulin and its role in kinesinâ€8/microtubule interaction. Cell Biology International, 2019, 43, 1072-1080.	1.4	2

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145	Metabolic Engineering of Lysine Producing Corynebacterium glutamicum Strains. Cytology and Genetics, 2020, 54, 137-146.	0.2	2
146	Sources of Chromosomal Polymorphism of Microsporocytes in Species of Lilium L. and Allium L.: Cytomixis, Extra Chromosomes, and Chromatin Diminution. Cytology and Genetics, 2021, 55, 107-116.	0.2	2
147	Identification of Genes for Resistance to Yellow Rust of Asian Origin in Winter Wheat Cultivars and Lines. Cytology and Genetics, 2021, 55, 227-235.	0.2	2
148	The phytohormone-mediated action of the synthetic regulators on cell extension growth in higher plants. Biopolymers and Cell, 1999, 15, 432-441.	0.1	2
149	Bioinformatic search of plant protein kinases involved in the phosphorylation of microtubular proteins and the regulation of the cell cycle. Cytology and Genetics, 2009, 43, 201-215.	0.2	1
150	Effect of serine/threonine protein kinases and protein phosphatases inhibitors on mitosis progression in a synchronized tobacco BY-2 culture. Cytology and Genetics, 2012, 46, 89-95.	0.2	1
151	Development of marker-free transformants by site-specific recombinases. Cytology and Genetics, 2015, 49, 397-407.	0.2	1
152	The homologous identification of the stem rust resistance genes Rpg5, Adf3 and RGA1 in the relatives of barley. Cytology and Genetics, 2016, 50, 96-105.	0.2	1
153	Proposal of Potent Inhibitors for a Bacterial Cell Division Protein FtsZ: Molecular Simulations Based on Molecular Docking and ab Initio Molecular Orbital Calculations. Antibiotics, 2020, 9, 846.	1.5	1
154	Variation of Storage Proteins in Crimean Populations of Dasypyrum villosum. Cytology and Genetics, 2020, 54, 91-95.	0.2	1
155	Spatial Distribution Of Tubulin Mutations Conferring Resistance To Antimicrotubular Compounds. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 397-417.	0.1	1
156	The Technology Used for Synthetic Polyploid Production of Miscanthus as Cellulosic Biofuel Feedstock. Open Agriculture Journal, 2020, 14, 164-173.	0.3	1
157	Fermentation of Sweet Sorghum Syrup Under Reduced Pressure for Bioethanol Production. Open Agriculture Journal, 2020, 14, 235-245.	0.3	1
158	Specific recognition of centrosomal antigen(s) in plant cells by the new polyclonal antibody pol3D2. Cell Biology International, 2003, 27, 303-306.	1.4	0
159	Specific features of the apoptotic response of urinary bladder cancer cells to neoadjuvant chemotherapy. Cytology and Genetics, 2011, 45, 201-207.	0.2	0
160	Morphological and histochemical analysis of mucous membrane transformation of the artificial urinary bladder. Cytology and Genetics, 2011, 45, 400-406.	0.2	0
161	Genetically modified plants and plant protection problems: Progress and estimation of potential risks. Cytology and Genetics, 2012, 46, 251-262.	0.2	0
162	Role of transcription factors in transdifferentiation of the gastric mucosa. Cytology and Genetics, 2015, 49, 113-117.	0.2	0

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163	Ab initio molecular simulations on the binding properties between mycobacterial FtsZ and its inhibitor. , 2016, , .		0
164	Variability of microsatellite loci in Vincetoxicum Wolf species in southeastern Ukraine. Cytology and Genetics, 2016, 50, 151-157.	0.2	0
165	Molecular dynamics and ab initio molecular orbital calculations on conformational change of amyloid-ÃŸ monomers in an in vivo amyloid-ÃŸ nonamer. , 2017, , .		0
166	Is Casein Kinase 2 Able to Phosphorylate Plant Î±-Tubulin?. Cytology and Genetics, 2018, 52, 103-111.	0.2	0
167	Potential Involvement of KIN10 and KIN11 Catalytic Subunits of the SnRK1 Protein Kinase Complexes in the Regulation of Arabidopsis Î³-Tubulin. Cytology and Genetics, 2019, 53, 349-356.	0.2	0
168	Genetic and Reproductive State Assessment of Ulmus pumila and U. suberosa Invasive Populations in the Dnieper Steppe under Climate Change. Cytology and Genetics, 2020, 54, 1-9.	0.2	0
169	Studying the genetic structure of Quercus robur forest stands on anthropogenically transformed territories using introns of the Î²-tubulin gene. Biosystems Diversity, 2018, 26, 269-275.	0.2	0
170	Interplay of Protein Phosphatases with Cytoskeleton Signaling in Response to Stress Factors in Plants. , 2020, , 261-287.		0
171	Ð'Ð¿Ð»Ð¸Ð² Ð°Ð²ÐµÑ€Ð¼ÐµÐºÑ‚Ð¸Ð½Ð¾Ð²Ð¾Ñ—... Ð¿Ñ€ÐµÐ¿Ð°Ñ€Ð°Ñ‚Ñ–Ð² Ð½Ð° ÑÑ‚Ñ–Ð¹ÐºÑ–ÑÑ‚ÑŒ Ð¿Ñ^Ðµ		
172	Ð'Ð¿Ð»Ð¸Ð² Ð°Ð²ÐµÑ€Ð¼ÐµÐºÑ‚Ð¸Ð½Ð¾Ð²Ð¾Ñ—... Ð¿Ð¾Ð»Ñ–Ñ„Ñƒ Ð½Ð° Ð±Ñ–Ð¾Ñ		