

Yaroslav B Blume

List of Publications by Year in descending order

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172
papers

2,078
citations

304602

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377752

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docs citations

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times ranked

1877
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Dot-Antibody Conjugates for Immunofluorescence Studies of Biomolecules and Subcellular Structures. <i>Journal of Fluorescence</i> , 2022, 32, 1713-1723.	1.3	9
2	Cadmium, nickel, copper, and zinc influence on microfilament organization in <i>Arabidopsis</i> root cells. <i>Cell Biology International</i> , 2021, 45, 211-226.	1.4	12
3	Brassinosteroids application induces phosphatidic acid production and modify antioxidant enzymes activity in tobacco in calcium-dependent manner. <i>Steroids</i> , 2021, 168, 108444.	0.8	5
4	Intraspecific Differentiation in White Mistletoe (<i>Viscum album</i> L.) Using the Analysis of Intron Length Polymorphism of β -Tubulin Genes and the SSR Analysis. <i>Cytology and Genetics</i> , 2021, 55, 1-9.	0.2	3
5	Sources of Chromosomal Polymorphism of Microsporocytes in Species of <i>Lilium</i> L. and <i>Allium</i> L.: Cytomixis, Extra Chromosomes, and Chromatin Diminution. <i>Cytology and Genetics</i> , 2021, 55, 107-116.	0.2	2
6	Identification of Genes for Resistance to Yellow Rust of Asian Origin in Winter Wheat Cultivars and Lines. <i>Cytology and Genetics</i> , 2021, 55, 227-235.	0.2	2
7	Current Approaches to Identification of <i>Fusarium</i> Fungi Infecting Wheat. <i>Cytology and Genetics</i> , 2021, 55, 433-446.	0.2	7
8	In silico mechanistic model of microtubule assembly inhibition by selective chromone derivatives. <i>Journal of Molecular Structure</i> , 2021, 1241, 130633.	1.8	4
9	Silver nanoparticles as inhibitors of insulin amyloid formation: A fluorescence study. <i>Journal of Molecular Liquids</i> , 2021, 342, 117508.	2.3	11
10	Synthesis, Properties and Bioimaging Applications of Silver-Based Quantum Dots. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12202.	1.8	28
11	Flax tubulin and CesA superfamilies represent attractive and challenging targets for a variety of genome- and base-editing applications. <i>Functional and Integrative Genomics</i> , 2020, 20, 163-176.	1.4	8
12	A journey through a plant cytoskeleton: Hot spots in signaling and functioning. <i>Cell Biology International</i> , 2020, 44, 1262-1266.	1.4	4
13	Proposal of therapeutic curcumin derivatives for Alzheimer's disease based on ab initio molecular simulations. <i>Chemical Physics Letters</i> , 2020, 738, 136883.	1.2	9
14	Binding sites of Zantrin inhibitors to the bacterial cell division protein FtsZ: Molecular docking and ab initio molecular orbital calculations. <i>Chemical Physics</i> , 2020, 530, 110603.	0.9	8
15	Changes in Allele Frequencies at Storage Protein Loci of Winter Common Wheat under Climate Change. <i>Cytology and Genetics</i> , 2020, 54, 305-317.	0.2	6
16	Obtaining Wheat (<i>Triticum aestivum</i> L.) Lines with Yeast Genes for Trehalose Biosynthesis. <i>Cytology and Genetics</i> , 2020, 54, 283-292.	0.2	3

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19	Proposal of Potent Inhibitors for a Bacterial Cell Division Protein FtsZ: Molecular Simulations Based on Molecular Docking and ab Initio Molecular Orbital Calculations. <i>Antibiotics</i> , 2020, 9, 846.	1.5	1
20	Obtaining Transgenic Potato Plants Expressing the Human Lactoferrin Gene and Analysis of Their Resistance to Phytopathogens. <i>Cytology and Genetics</i> , 2020, 54, 179-188.	0.2	7
21	Genetic and Reproductive State Assessment of <i>Ulmus pumila</i> and <i>U. suberosa</i> Invasive Populations in the Dnieper Steppe under Climate Change. <i>Cytology and Genetics</i> , 2020, 54, 1-9.	0.2	0
22	Variation of Storage Proteins in Crimean Populations of <i>Dasypyrum villosum</i> . <i>Cytology and Genetics</i> , 2020, 54, 91-95.	0.2	1
23	“Green” synthesis of Ag ₂ S nanoparticles, study of their properties and bioimaging applications. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4931-4940.	1.6	15
24	Specific interactions between tau protein and curcumin derivatives: Molecular docking and ab initio molecular orbital simulations. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 98, 107611.	1.3	13
25	Metabolic Engineering of Lysine Producing <i>Corynebacterium glutamicum</i> Strains. <i>Cytology and Genetics</i> , 2020, 54, 137-146.	0.2	2
26	Biobutanol Production from Plant Biomass. <i>Open Agriculture Journal</i> , 2020, 14, 187-197.	0.3	10
27	Plant Feedstocks and their Biogas Production Potentials. <i>Open Agriculture Journal</i> , 2020, 14, 219-234.	0.3	23
28	Finger Millet as a Sustainable Feedstock for Bioethanol Production. <i>Open Agriculture Journal</i> , 2020, 14, 257-272.	0.3	6
29	Identification and Biological Properties of the Pathogen of Soft Rot of Tomatoes in the Greenhouse. <i>Open Agriculture Journal</i> , 2020, 14, 290-298.	0.3	5
30	Evaluation of Potential Biodiesel Feedstocks: Camelina, Turnip Rape, Oil Radish and Tyfon. <i>Open Agriculture Journal</i> , 2020, 14, 299-320.	0.3	8
31	Ethanol Production Potential of Sweet Sorghum in North and Central Ukraine. <i>Open Agriculture Journal</i> , 2020, 14, 321-338.	0.3	11
32	Induction of Polyploidy in Giant Miscanthus (<i>Miscanthus Ã— Giganteus</i> Greef Et Deu.). <i>Proceedings of the Latvian Academy of Sciences</i> , 2020, 74, 206-214.	0.0	4
33	Interplay of Protein Phosphatases with Cytoskeleton Signaling in Response to Stress Factors in Plants. , 2020, , 261-287.		0
34	Evaluating the Diversity and Breeding Prospects of Ukrainian Spring Camelina Genotypes. <i>Cytology and Genetics</i> , 2020, 54, 420-436.	0.2	11
35	The Technology Used for Synthetic Polyploid Production of Miscanthus as Cellulosic Biofuel Feedstock. <i>Open Agriculture Journal</i> , 2020, 14, 164-173.	0.3	1
36	High-Efficiency Ukrainian Strains of Microalgae for Biodiesel Fuel Production (Overview). <i>Open Agriculture Journal</i> , 2020, 14, 209-218.	0.3	5

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37	Fermentation of Sweet Sorghum Syrup Under Reduced Pressure for Bioethanol Production. Open Agriculture Journal, 2020, 14, 235-245.	0.3	1
38	Efficiency of Switchgrass (<i>Panicum virgatum</i> L.) Cultivation in the Ukrainian Forest-Steppe Zone and Development of Its New Lines. Open Agriculture Journal, 2020, 14, 273-289.	0.3	3
39	Genome-wide identification, phylogenetic classification, and exon-intron structure characterization of the tubulin and actin genes in flax (<i>Linum usitatissimum</i>). Cell Biology International, 2019, 43, 1010-1019.	1.4	17
40	Genetic Background of the Resistance against Parasitic Nematodes in Wheat. Cytology and Genetics, 2019, 53, 315-320.	0.2	3
41	A JOURNEY THROUGH PLANT CYTOSKELETON: HOT SPOTS IN SIGNALING AND FUNCTIONING. Cell Biology International, 2019, 43, 978-982.	1.4	4
42	Potential Involvement of KIN10 and KIN11 Catalytic Subunits of the SnRK1 Protein Kinase Complexes in the Regulation of Arabidopsis β -Tubulin. Cytology and Genetics, 2019, 53, 349-356.	0.2	0
43	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
44	CdS Quantum Dots Obtained by "Green" 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
45	Analysis of β -Tubulin Gene Expression During Cold Acclimation of Winter and Spring Soft Wheat. Cytology and Genetics, 2019, 53, 23-33.	0.2	4
46	RNAi-Based Biocontrol of Wheat Nematodes Using Natural Poly-Component Biostimulants. Frontiers in Plant Science, 2019, 10, 483.	1.7	28
47	Green potential of <i>Pleurotus</i> spp. in biotechnology. PeerJ, 2019, 7, e6664.	0.9	28
48	Effect of Zn ion on the structure and electronic states of Al^{2+} nonamer: molecular dynamics and ab initio molecular orbital calculations. Molecular Simulation, 2019, 45, 706-715.	0.9	2
49	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
50	Intron length polymorphism of β -tubulin genes in <i>Deschampsia antarctica</i> Desv. across the western coast of the Antarctic Peninsula. Polar Science, 2019, 19, 151-154.	0.5	7
51	Cytoskeleton and nucleoskeleton involvement in processes of cytomixis in plants. Cell Biology International, 2019, 43, 999-1009.	1.4	11
52	Tubulin acetylation accompanies autophagy development induced by different abiotic stimuli in <i>Arabidopsis thaliana</i> . Cell Biology International, 2019, 43, 1056-1064.	1.4	18
53	Expression analysis of cellulose synthase and main cytoskeletal protein genes in flax (<i>Linum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	8
54	Nitric oxide synthase inhibitor L-NAME affects <i>Arabidopsis</i> root growth, morphology, and microtubule organization. Cell Biology International, 2019, 43, 1049-1055.	1.4	8

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55	Structural and functional features of lysine acetylation of plant and animal tubulins. <i>Cell Biology International</i> , 2019, 43, 1040-1048.	1.4	9
56	Intron length polymorphism of β -tubulin genes of <i>Aegilops biuncialis</i> . <i>Vis. Cell Biology International</i> , 2019, 43, 1031-1039.	1.4	13
57	Protein phosphatases potentially associated with regulation of microtubules, their spatial structure reconstruction and analysis. <i>Cell Biology International</i> , 2019, 43, 1081-1090.	1.4	8
58	3D modeling of carboxyl-terminal phosphorylation of plant β -tubulin and its role in kinesin/microtubule interaction. <i>Cell Biology International</i> , 2019, 43, 1072-1080.	1.4	2
59	Induction of Bacterial Canker Resistance in Tomato Plants Using Plant Growth Promoting Rhizobacteria. <i>Open Agriculture Journal</i> , 2019, 13, 215-222.	0.3	10
60	RNAi-mediated Resistance against Plant Parasitic Nematodes of Wheat Plants Obtained in Vitro Using Bioregulators of Microbiological Origin. <i>Current Chemical Biology</i> , 2019, 13, 73-89.	0.2	10
61	Is Casein Kinase 2 Able to Phosphorylate Plant β -Tubulin?. <i>Cytology and Genetics</i> , 2018, 52, 103-111.	0.2	0
62	Advances, Problems, and Prospects of Genetic Transformation of Fungi. <i>Cytology and Genetics</i> , 2018, 52, 139-154.	0.2	11
63	Binding properties between curcumin and malarial tubulin: molecular-docking and ab initio fragment molecular orbital calculations. <i>Chem-Bio Informatics Journal</i> , 2018, 18, 44-57.	0.1	3
64	Specific interactions between mycobacterial FtsZ protein and curcumin derivatives: Molecular docking and ab initio molecular simulations. <i>Chemical Physics Letters</i> , 2018, 692, 166-173.	1.2	6
65	Motif-Based Prediction of Plant Tubulin Phosphorylation Sites Associated with Calcium-Dependent Protein Kinases in <i>Arabidopsis thaliana</i> . <i>Cytology and Genetics</i> , 2018, 52, 428-439.	0.2	3
66	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. <i>Cytology and Genetics</i> , 2018, 52, 440-447.	0.2	6
67	Molecular Genetic Evaluation of Ukrainian Flax Cultivar Homogeneity Based on Intron Length Polymorphism of Actin Genes and Microsatellite Loci. <i>Cytology and Genetics</i> , 2018, 52, 448-460.	0.2	6
68	Epicuticular Wax Composition of Leaves of <i>Tilia L. Trees</i> as a Marker of Adaptation to the Climatic Conditions of the Steppe Dnieper. <i>Cytology and Genetics</i> , 2018, 52, 323-330.	0.2	12
69	Histochemical Analysis of Tissue-Specific β -Tubulin Acetylation as a Response to Autophagy Induction by Different Stress Factors in <i>Arabidopsis thaliana</i> . <i>Cytology and Genetics</i> , 2018, 52, 245-252.	0.2	7
70	Legal Regulation of Plant Genome Editing with the CRISPR/Cas9 Technology as an Example. <i>Cytology and Genetics</i> , 2018, 52, 204-212.	0.2	16
71	Clinorotation Affects Induction of the Heat Shock Response in <i>Arabidopsis thaliana</i> Seedlings. <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2018, 6, 2-9.	0.3	3
72	Studying the genetic structure of <i>Quercus robur</i> forest stands on anthropogenically transformed territories using introns of the β -tubulin gene. <i>Biosystems Diversity</i> , 2018, 26, 269-275.	0.2	0

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73	Effect of 24-epibrassinolide on Brassica napus alternative respiratory pathway, guard cells movements and phospholipid signaling under salt stress. <i>Steroids</i> , 2017, 117, 16-24.	0.8	16
74	MAST-like protein kinase IREH1 from Arabidopsis thaliana co-localizes with the centrosome when expressed in animal cells. <i>Planta</i> , 2017, 246, 959-969.	1.6	4
75	Investigation of novel oligoelectrolyte polymer carriers for their capacity of DNA delivery into plant cells. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 27-39.	1.2	31
76	Molecular dynamics and ab initio molecular orbital calculations on conformational change of amyloid- β monomers in an in vivo amyloid- β nonamer. , 2017, , .		0
77	Involvement of Inositol Biosynthesis and Nitric Oxide in the Mediation of UV-B Induced Oxidative Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 430.	1.7	26
78	Efficiency of the induction of cytomixis in the microsporogenesis of dicotyledonous (<i>N. tabacum</i> L.) and monocotyledonous (<i>H. distichum</i> L.) plants by thermal stress. <i>Russian Journal of Developmental Biology</i> , 2016, 47, 335-347.	0.1	3
79	Ab initio molecular simulations on the binding properties between mycobacterial FtsZ and its inhibitor. , 2016, , .		0
80	High biomass producers and promising candidates for biodiesel production from microalgae collection IBASU-A(Ukraine). <i>Oceanological and Hydrobiological Studies</i> , 2016, 45, 79-85.	0.3	11
81	The homologous identification of the stem rust resistance genes Rpg5, Adf3 and RGA1 in the relatives of barley. <i>Cytology and Genetics</i> , 2016, 50, 96-105.	0.2	1
82	3D structure prediction of histone acetyltransferase proteins of the MYST family and their interactome in Arabidopsis thaliana. <i>Journal of Molecular Modeling</i> , 2016, 22, 256.	0.8	3
83	Intra- and intertissular cytomictic interactions in the microsporogenesis of mono- and dicotyledonous plants. <i>Cytology and Genetics</i> , 2016, 50, 267-277.	0.2	11
84	Influence of cold on organization of actin filaments of different types of root cells in Arabidopsis thaliana. <i>Cytology and Genetics</i> , 2016, 50, 318-323.	0.2	7
85	Sr33 and Sr35 gene homolog identification in genomes of cereals related to <i>Aegilops tauschii</i> and <i>Triticum monococcum</i> . <i>Cytology and Genetics</i> , 2016, 50, 221-230.	0.2	2
86	Influence of protein kinase KIN10 gene expression on root phenotype of Arabidopsis thaliana root system under condition of energy stress. <i>Cytology and Genetics</i> , 2016, 50, 215-220.	0.2	2
87	Non-covalent Functionalization of Carbon Nanotubes for Efficient Gene Delivery. Springer Proceedings in Physics, 2016, , 355-370.	0.1	6
88	Influence of solvating water molecules on the attacking mechanisms of OH-radical to DNA base pairs: DFT calculations in explicit waters. <i>Structural Chemistry</i> , 2016, 27, 1793-1806.	1.0	4
89	Genetic marking of glume color in <i>Triticum spelta</i> L. var. caeruleum using gliadins. <i>Cytology and Genetics</i> , 2016, 50, 168-172.	0.2	2
90	Variability of microsatellite loci in Vincetoxicum Wolf species in southeastern Ukraine. <i>Cytology and Genetics</i> , 2016, 50, 151-157.	0.2	0

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91	Involvement of plant cytoskeleton in cellular mechanisms of metal toxicity. <i>Cytology and Genetics</i> , 2016, 50, 47-59.	0.2	16
92	Extracellular Synthesis of Luminescent CdS Quantum Dots Using Plant Cell Culture. <i>Nanoscale Research Letters</i> , 2016, 11, 100.	3.1	13
93	Genetically Engineered Microalgae for Enhanced Biofuel Production. <i>Current Biotechnology</i> , 2016, 5, 256-265.	0.2	8
94	Plant genetic transformation using carbon nanotubes for DNA delivery. <i>Cytology and Genetics</i> , 2015, 49, 349-357.	0.2	58
95	Nitric Oxide and UV-B Radiation. , 2015, , 141-154.		8
96	Role of transcription factors in transdifferentiation of the gastric mucosa. <i>Cytology and Genetics</i> , 2015, 49, 113-117.	0.2	0
97	Biosynthesis of cadmium sulphide quantum dots by using <i>Pleurotus ostreatus</i> (Jacq.) P. Kumm. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 1156-1163.	0.5	67
98	Bioinformatic search for cellulose synthase genes in flax (<i>Linum usitatissimum</i>) and their phylogenetic analysis. <i>Cytology and Genetics</i> , 2015, 49, 279-287.	0.2	7
99	Bioinformatic comparison of human and higher plant phosphatomes. <i>Cytology and Genetics</i> , 2015, 49, 207-219.	0.2	4
100	Development of marker-free transformants by site-specific recombinases. <i>Cytology and Genetics</i> , 2015, 49, 397-407.	0.2	1
101	DMAEM-based cationic polymers as novel carriers for DNA delivery into cells. <i>Cell Biology International</i> , 2015, 39, 243-245.	1.4	12
102	Application of Carbon Nanotubes for Plant Genetic Transformation. <i>Springer Proceedings in Physics</i> , 2015, , 233-255.	0.1	5
103	Identification of Plant Homologues of Dual Specificity Yak1-Related Kinases. <i>Computational Biology Journal</i> , 2014, 2014, 1-14.	0.6	7
104	Biosynthesis of luminescent CdS quantum dots using plant hairy root culture. <i>Nanoscale Research Letters</i> , 2014, 9, 2407.	3.1	56
105	Structural mechanisms of interaction of cyanolcrylates with plant tubulin. <i>Cytology and Genetics</i> , 2014, 48, 7-14.	0.2	3
106	Alleles at storage protein loci in <i>Triticum spelta</i> L. accessions and their occurrence in related wheats. <i>Cytology and Genetics</i> , 2014, 48, 33-41.	0.2	5
107	Influence of 24-epibrassinolide on lipid signalling and metabolism in <i>Brassica napus</i> . <i>Plant Growth Regulation</i> , 2014, 73, 9-17.	1.8	19
108	Plant-based biopharming of recombinant human lactoferrin. <i>Cell Biology International</i> , 2014, 38, 989-1002.	1.4	32

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109	Creation of transgenic sugar beet lines expressing insect pest resistance genes cry1C and cry2A. <i>Cytology and Genetics</i> , 2014, 48, 69-75.	0.2	9
110	Obtaining the transgenic lines of finger millet <i>Eleusine coracana</i> (L.) with dinitroaniline resistance. <i>Cytology and Genetics</i> , 2014, 48, 139-144.	0.2	21
111	Mapping a new secalin locus on the rye 1RS arm. <i>Cytology and Genetics</i> , 2014, 48, 203-207.	0.2	7
112	Establishment of in vitro culture, plant regeneration, and genetic transformation of <i>Camelina sativa</i> . <i>Cytology and Genetics</i> , 2013, 47, 138-144.	0.2	16
113	Study of the effects produced by gamma-irradiation of common wheat F1 seeds using gliadins as genetic markers. <i>Cytology and Genetics</i> , 2013, 47, 13-19.	0.2	5
114	Allelic state of the molecular marker for golden nematode (<i>Globodera rostochiensis</i>) resistance gene H1 among Ukrainian and world potato (<i>Solanum tuberosum</i> ssp. <i>tuberosum</i>) cultivars. <i>Cytology and Genetics</i> , 2013, 47, 294-297.	0.2	5
115	Biodiesel from microalgae: Ways for increasing the effectiveness of lipid accumulation by genetic engineering methods. <i>Cytology and Genetics</i> , 2013, 47, 349-358.	0.2	5
116	Biobutanol as an alternative type of fuel. <i>Cytology and Genetics</i> , 2013, 47, 366-382.	0.2	22
117	Increasing the resistance of rape plants to the parasitic nematode <i>Heterodera schachtii</i> using RNAi technology. <i>Cytology and Genetics</i> , 2013, 47, 222-230.	0.2	6
118	Genetic transformation of flax (<i>Linum usitatissimum</i> L.) with the chimeric GFP-TUA6 gene for the visualization of microtubules. <i>Cytology and Genetics</i> , 2013, 47, 63-69.	0.2	6
119	Tubulin tyrosine nitration regulates microtubule organization in plant cells. <i>Frontiers in Plant Science</i> , 2013, 4, 530.	1.7	37
120	Plant microtubules reorganization under the indirect UV-B exposure and during UV-B-induced programmed cell death. <i>Plant Signaling and Behavior</i> , 2013, 8, e24031.	1.2	26
121	An Effective Procedure for In Vitro Culture of <i>Eleusine coracana</i> (L.) and Its Application. <i>ISRN Botany</i> , 2013, 2013, 1-7.	0.8	15
122	A somaclonal line SE7 of finger millet (<i>Eleusine coracana</i>) exhibits modified cytokinin homeostasis and increased grain yield. <i>Journal of Experimental Botany</i> , 2012, 63, 5497-5506.	2.4	23
123	Effects of tyrosine kinase and phosphatase inhibitors on mitosis progression in synchronized tobacco BY-2 cells. <i>Cytology and Genetics</i> , 2012, 46, 263-271.	0.2	6
124	Nitric oxide as a critical factor for perception of UV-B irradiation by microtubules in <i>Arabidopsis</i> . <i>Physiologia Plantarum</i> , 2012, 145, 505-515.	2.6	54
125	Genetically modified plants and plant protection problems: Progress and estimation of potential risks. <i>Cytology and Genetics</i> , 2012, 46, 251-262.	0.2	0
126	Isolation and amplification of cDNA from the conserved region of the nematode <i>Heterodera schachtii</i> 8H07 gene with a close similarity to its homolog in rape plants. <i>Cytology and Genetics</i> , 2012, 46, 335-341.	0.2	8

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127	Inhibitors of tyrosine kinases and phosphatases as a tool for the investigation of microtubule role in plant cold response. <i>Cytology and Genetics</i> , 2012, 46, 1-8.	0.2	15
128	Effect of serine/threonine protein kinases and protein phosphatases inhibitors on mitosis progression in a synchronized tobacco BY-2 culture. <i>Cytology and Genetics</i> , 2012, 46, 89-95.	0.2	1
129	Docking small ligands to molecule of the plant FtsZ protein: Application of the CUDA technology for faster computations. <i>Cytology and Genetics</i> , 2012, 46, 172-179.	0.2	6
130	Effects of phytohormones on the cytoskeleton of the plant cell. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 515-529.	0.5	23
131	Nitric oxide signalling via cytoskeleton in plants. <i>Plant Science</i> , 2011, 181, 545-554.	1.7	68
132	Generation of transgenic barley lines producing human lactoferrin using mutant alpha-tubulin gene as the selective marker. <i>Cytology and Genetics</i> , 2011, 45, 1-6.	0.2	15
133	Reconstruction of the spatial structure of plant phosphatases types 1 and 2A in complexes with okadaic acid. <i>Cytology and Genetics</i> , 2011, 45, 153-162.	0.2	4
134	Specific features of the apoptotic response of urinary bladder cancer cells to neoadjuvant chemotherapy. <i>Cytology and Genetics</i> , 2011, 45, 201-207.	0.2	0
135	Identification of the allelic state of the Lr34 leaf rust resistance gene in soft winter wheat cultivars developed in Ukraine. <i>Cytology and Genetics</i> , 2011, 45, 271-276.	0.2	12
136	Morphological and histochemical analysis of mucous membrane transformation of the artificial urinary bladder. <i>Cytology and Genetics</i> , 2011, 45, 400-406.	0.2	0
137	MAST2-like protein kinase from grape <i>Vitis vinifera</i> : Cloning of catalytic domain cDNA. <i>Cytology and Genetics</i> , 2010, 44, 227-232.	0.2	4
138	Bioinformatic search for plant homologs of the protein kinase Bub1—a key component of the mitotic spindle assembly checkpoint. <i>Cytology and Genetics</i> , 2010, 44, 376-388.	0.2	4
139	Effects of inhibitors of serine/threonine protein kinases on <i>Arabidopsis thaliana</i> root morphology and microtubule organization in its cells. <i>Cell and Tissue Biology</i> , 2010, 4, 399-409.	0.2	10
140	Bioinformatic search of plant microtubule- and cell cycle related serine-threonine protein kinases. <i>BMC Genomics</i> , 2010, 11, S14.	1.2	23
141	Exposure of beta-tubulin regions defined by antibodies on an <i>Arabidopsis thaliana</i> microtubule protofilament model and in the cells. <i>BMC Plant Biology</i> , 2010, 10, 29.	1.6	22
142	UV-B overexposure induces programmed cell death in a BY-2 tobacco cell line. <i>Environmental and Experimental Botany</i> , 2010, 68, 51-57.	2.0	59
143	The effect of okadaic acid on <i>Arabidopsis thaliana</i> root morphology and microtubule organization in its cells. <i>Cytology and Genetics</i> , 2009, 43, 1-8.	0.2	6
144	Bioinformatic search of plant protein kinases involved in the phosphorylation of microtubular proteins and the regulation of the cell cycle. <i>Cytology and Genetics</i> , 2009, 43, 201-215.	0.2	1

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145	Estimation of the callus formation and regeneration efficiency in spring varieties of barley zoned in Ukraine. <i>Cytology and Genetics</i> , 2009, 43, 230-236.	0.2	4
146	Structural and biological characterization of the tubulin interaction with dinitroanilines. <i>Cytology and Genetics</i> , 2009, 43, 267-282.	0.2	14
147	Screening of new 2,4- and 2,6-dinitroaniline derivatives for phytotoxicity and antimetabolic activity. <i>Cytology and Genetics</i> , 2009, 43, 297-304.	0.2	10
148	Bioinformatics search for plant homologues of Ste20-like serine/threonine protein kinases. <i>Cytology and Genetics</i> , 2009, 43, 419-428.	0.2	2
149	Cloning and expression of the tubulin genes in barley. <i>Cell Biology International</i> , 2008, 32, 557-559.	1.4	5
150	Tyrosine phosphorylation of plant tubulin. <i>Planta</i> , 2008, 229, 143-150.	1.6	48
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