

Ivan Raska

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135 papers	4,307 citations	34 h-index	62 g-index
143 ext. papers	4,651 ext. citations	4.2 avg, IF	5.13 L-index

#	Paper	IF	Citations
135	The searching for agents for Alzheimer's disease treatment via the system of self-consistent models.. <i>Toxicology Mechanisms and Methods</i> , 2022 , 1-26	3.6	2
134	The SC-35 Splicing Factor Interacts with RNA Pol II and A-Type Lamin Depletion Weakens This Interaction. <i>Cells</i> , 2021 , 10,	7.9	2
133	The sequence of amino acids as the basis for the model of biological activity of peptides. <i>Theoretical Chemistry Accounts</i> , 2021 , 140, 15	1.9	2
132	Hypocalcaemic cardiomyopathy: a description of two cases and a literature review. <i>ESC Heart Failure</i> , 2020 , 7, 1291-1301	3.7	2
131	Alternative isoforms of KDM2A and KDM2B lysine demethylases negatively regulate canonical Wnt signaling. <i>PLoS ONE</i> , 2020 , 15, e0236612	3.7	2
130	The Index of Ideality of Correlation (IIC): model for sweetness. <i>Monatshefte Für Chemie</i> , 2019 , 150, 617-623	3.4	4
129	Rifampicin Nanoformulation Enhances Treatment of Tuberculosis in Zebrafish. <i>Biomacromolecules</i> , 2019 , 20, 1798-1815	6.9	17
128	The study of the index of ideality of correlation as a new criterion of predictive potential of QSPR/QSAR-models. <i>Science of the Total Environment</i> , 2019 , 659, 1387-1394	10.2	32
127	Interaction of spin-labeled HPMA-based nanoparticles with human blood plasma proteins - the introduction of protein-corona-free polymer nanomedicine. <i>Nanoscale</i> , 2018 , 10, 6194-6204	7.7	26
126	Discontinuous transcription. <i>Nucleus</i> , 2018 , 9, 149-160	3.9	6
125	Poly(ethylene oxide monomethyl ether)- block-poly(propylene succinate) Nanoparticles: Synthesis and Characterization, Enzymatic and Cellular Degradation, Micellar Solubilization of Paclitaxel, and in Vitro and in Vivo Evaluation. <i>Biomacromolecules</i> , 2018 , 19, 2443-2458	6.9	9
124	Depletion of A-type lamins and Lap2 β reduces 53BP1 accumulation at UV-induced DNA lesions and Lap2 β protein is responsible for compactness of irradiated chromatin. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 8146-8162	4.7	7
123	Peripheral re-localization of constitutive heterochromatin advances its replication timing and impairs maintenance of silencing marks. <i>Nucleic Acids Research</i> , 2018 , 46, 6112-6128	20.1	13
122	Endosomal vacuoles of the prepupal salivary glands of <i>Drosophila</i> play an essential role in the metabolic reallocation of iron. <i>Development Growth and Differentiation</i> , 2018 , 60, 411-430	3	7
121	KDM2A/B lysine demethylases and their alternative isoforms in development and disease. <i>Nucleus</i> , 2018 , 9, 431-441	3.9	10
120	Alternative intronic promoters in development and disease. <i>Protoplasma</i> , 2017 , 254, 1201-1206	3.4	10
119	PCNA is recruited to irradiated chromatin in late S-phase and is most pronounced in G2 phase of the cell cycle. <i>Protoplasma</i> , 2017 , 254, 2035-2043	3.4	10

118	A demethylation deficient isoform of the lysine demethylase KDM2A interacts with pericentromeric heterochromatin in an HP1a-dependent manner. <i>Nucleus</i> , 2017 , 8, 563-572	3.9	4
117	System with embedded drug release and nanoparticle degradation sensor showing efficient rifampicin delivery into macrophages. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 307-315	6	28
116	Prevalence and Risk Factors of Osteoporosis in Postmenopausal Women with Type 2 Diabetes Mellitus. <i>Central European Journal of Public Health</i> , 2017 , 25, 3-10	1.2	22
115	CORAL Software: Analysis of Impacts of Pharmaceutical Agents Upon Metabolism via the Optimal Descriptors. <i>Current Drug Metabolism</i> , 2017 , 18, 500-510	3.5	10
114	The N-terminal domain plays a crucial role in the structure of a full-length human mitochondrial Lon protease. <i>Scientific Reports</i> , 2016 , 6, 33631	4.9	23
113	Massive excretion of calcium oxalate from late prepupal salivary glands of <i>Drosophila melanogaster</i> demonstrates active nephridial-like anion transport. <i>Development Growth and Differentiation</i> , 2016 , 58, 562-74	3	4
112	Nucleolar DNA: the host and the guests. <i>Histochemistry and Cell Biology</i> , 2016 , 145, 359-72	2.4	21
111	High Prevalence of Hypovitaminosis D in Postmenopausal Women with Type 2 Diabetes Mellitus. <i>Prague Medical Report</i> , 2016 , 117, 5-17	0.7	7
110	Localized Movement and Levels of 53BP1 Protein Are Changed by Irradiation in PML Deficient Cells. <i>Journal of Cellular Biochemistry</i> , 2016 , 117, 2583-96	4.7	7
109	Improved building up a model of toxicity towards <i>Pimephales promelas</i> by the Monte Carlo method. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 48, 278-285	5.8	7
108	Reproduction of the FC/DFC units in nucleoli. <i>Nucleus</i> , 2016 , 7, 203-15	3.9	13
107	Novel thermo-responsive double-hydrophilic and hydrophobic MPEO-b-PETox-b-PCL triblock terpolymers: Synthesis, characterization and self-assembly studies. <i>Polymer</i> , 2015 , 59, 215-225	3.9	12
106	Localized movement and morphology of UBF1-positive nucleolar regions are changed by Irradiation in G2 phase of the cell cycle. <i>Nucleus</i> , 2015 , 6, 301-13	3.9	9
105	Searching therapeutic agents for treatment of Alzheimer disease using the Monte Carlo method. <i>Computers in Biology and Medicine</i> , 2015 , 64, 148-54	7	28
104	Vacuole dynamics in the salivary glands of <i>Drosophila melanogaster</i> during prepupal development. <i>Development Growth and Differentiation</i> , 2015 , 57, 74-96	3	14
103	Comprehension of drug toxicity: software and databases. <i>Computers in Biology and Medicine</i> , 2014 , 45, 20-5	7	45
102	Gold Nanoparticles for High Resolution Imaging in Modern Immunocytochemistry. <i>Fundamental Biomedical Technologies</i> , 2014 , 189-206		
101	A simple Fourier filter for suppression of the missing wedge ray artefacts in single-axis electron tomographic reconstructions. <i>Journal of Structural Biology</i> , 2014 , 186, 141-52	3.4	15

100	Applications of biosynthesized metallic nanoparticles - a review. <i>Acta Biomaterialia</i> , 2014 , 10, 4023-42	10.8	315
99	Apocrine secretion in Drosophila salivary glands: subcellular origin, dynamics, and identification of secretory proteins. <i>PLoS ONE</i> , 2014 , 9, e94383	3.7	21
98	Ultrastructure of cytoplasmic and nuclear inosine-5Smonophosphate dehydrogenase 2 "rods and rings" inclusions. <i>Journal of Histochemistry and Cytochemistry</i> , 2014 , 62, 739-50	3.4	21
97	Separation of replication and transcription domains in nucleoli. <i>Journal of Structural Biology</i> , 2014 , 188, 259-66	3.4	26
96	HP1-dependent recruitment of UBF1 to irradiated chromatin occurs simultaneously with CPDs. <i>Epigenetics and Chromatin</i> , 2014 , 7, 39	5.8	15
95	An unusual case of high hyperdiploid childhood ALL with cryptic BCR/ABL1 rearrangement. <i>Molecular Cytogenetics</i> , 2014 , 7, 72	2	3
94	Dynamics of Polycomb chromatin domains under conditions of increased molecular crowding. <i>Biology of the Cell</i> , 2013 , 105, 519-34	3.5	4
93	Development of QSAR models for predicting anti-HIV-1 activity using the Monte Carlo method. <i>Open Chemistry</i> , 2013 , 11, 371-380	1.6	3
92	Duration of the first steps of the human rRNA processing. <i>Nucleus</i> , 2013 , 4, 134-41	3.9	25
91	Trajectories and nuclear arrangement of PML bodies are influenced by A-type lamin deficiency. <i>Biology of the Cell</i> , 2012 , 104, 418-32	3.5	28
90	QSAR modeling of endpoints for peptides which is based on representation of the molecular structure by a sequence of amino acids. <i>Structural Chemistry</i> , 2012 , 23, 1891-1904	1.8	26
89	Flexible structured illumination microscope with a programmable illumination array. <i>Optics Express</i> , 2012 , 20, 24585-99	3.3	40
88	Nucleologogenesis in the Caenorhabditis elegans embryo. <i>PLoS ONE</i> , 2012 , 7, e40290	3.7	17
87	Nuclear visions enhanced: chromatin structure, organization and dynamics. <i>EMBO Reports</i> , 2011 , 12, 7486-9	3.3	36
86	Minimizing detection errors in single molecule localization microscopy. <i>Optics Express</i> , 2011 , 19, 3226-35	3.3	36
85	A change of developmental program induces the remodeling of the interchromatin domain during microspore embryogenesis in Brassica napus L. <i>Journal of Plant Physiology</i> , 2011 , 168, 746-57	3.6	24
84	Replication timing of pseudo-NORs. <i>Journal of Structural Biology</i> , 2011 , 173, 213-8	3.4	3
83	Fine structure of the "PcG body" in human U-2 OS cells established by correlative light-electron microscopy. <i>Nucleus</i> , 2011 , 2, 219-28	3.9	22

82	Cytoskeletal proteins regulate chromatin access of BR-C transcription factor and Rpd3-Sin3A histone deacetylase complex in <i>Drosophila</i> salivary glands. <i>Nucleus</i> , 2011 , 2, 489-99	3.9	3
81	Structure and epigenetics of nucleoli in comparison with non-nucleolar compartments. <i>Journal of Histochemistry and Cytochemistry</i> , 2010 , 58, 391-403	3.4	53
80	Importance of molecular cell biology investigations in human medicine in the story of the Hutchinson-Gilford progeria syndrome. <i>Interdisciplinary Toxicology</i> , 2010 , 3, 89-93	2.3	2
79	Exploring some of the physico-chemical properties of the LAMMER protein kinase DOA of <i>Drosophila</i> . <i>Fly</i> , 2009 , 3, 130-42	1.3	2
78	Organization of the amplified type I interferon gene cluster and associated chromosome regions in the interphase nucleus of human osteosarcoma cells. <i>Chromosome Research</i> , 2009 , 17, 305-19	4.4	1
77	Chromatin position in human HepG2 cells: although being non-random, significantly changed in daughter cells. <i>Journal of Structural Biology</i> , 2009 , 165, 107-17	3.4	25
76	Organization of human replicon: singles or zipping couples?. <i>Journal of Structural Biology</i> , 2009 , 165, 204-13	3.4	22
75	A new epigenetic marker: the replication-coupled, cell cycle-dependent, dual modification of the histone H4 tail. <i>Journal of Structural Biology</i> , 2009 , 167, 76-82	3.4	3
74	Chromatin changes induced by lamin A/C deficiency and the histone deacetylase inhibitor trichostatin A. <i>European Journal of Cell Biology</i> , 2008 , 87, 291-303	6.1	61
73	Early markers of in vitro microspore reprogramming to embryogenesis in olive (<i>Olea europaea</i> L.). <i>Plant Science</i> , 2008 , 174, 597-605	5.3	41
72	Ladder-like amplification of the type I interferon gene cluster in the human osteosarcoma cell line MG63. <i>Chromosome Research</i> , 2008 , 16, 1177-92	4.4	2
71	Pontin is localized in nucleolar fibrillar centers. <i>Chromosoma</i> , 2008 , 117, 487-97	2.8	9
70	Searching for Active Ribosomal Genes. <i>Progress in Molecular and Subcellular Biology</i> , 2008 , 23-56	3	5
69	Positioning of NORs and NOR-bearing chromosomes in relation to nucleoli. <i>Journal of Structural Biology</i> , 2007 , 160, 49-56	3.4	37
68	Structure and function of the nucleolus in the spotlight. <i>Current Opinion in Cell Biology</i> , 2006 , 18, 325-349		163
67	Potential roles for ubiquitin and the proteasome during ribosome biogenesis. <i>Molecular and Cellular Biology</i> , 2006 , 26, 5131-45	4.8	83
66	Potential Roles for Ubiquitin and the Proteasome during Ribosome Biogenesis. <i>Molecular and Cellular Biology</i> , 2006 , 26, 6308-6308	4.8	2
65	New insights into nucleolar architecture and activity. <i>International Review of Cytology</i> , 2006 , 255, 177-235		136

64	Dynamics of replication foci in early S phase as visualized by cross-correlation function. <i>Journal of Structural Biology</i> , 2005 , 151, 61-8	3-4	4
63	QSAR of the testosterone binding globulin affinity by means of correlation weighting of local invariants of the graph of atomic orbitals. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 6830-5	3-4	7
62	Electron microscopy of DNA replication in 3-D: evidence for similar-sized replication foci throughout S-phase. <i>Journal of Cellular Biochemistry</i> , 2005 , 94, 126-38	4-7	37
61	Spatio-temporal dynamics at rDNA foci: global switching between DNA replication and transcription. <i>Journal of Cellular Biochemistry</i> , 2005 , 94, 554-65	4-7	28
60	Replication-coupled modulation of early replicating chromatin domains detected by anti-actin antibody. <i>Journal of Cellular Biochemistry</i> , 2005 , 94, 899-916	4-7	5
59	Formation of nuclear splicing factor compartments is independent of lamins A/C. <i>Molecular Biology of the Cell</i> , 2004 , 15, 4904-10	3-5	16
58	The effect of bromide on the ultrastructure of rat thyrocytes. <i>Annals of Anatomy</i> , 2004 , 186, 209-16	2-9	7
57	The nucleolus and transcription of ribosomal genes. <i>Biology of the Cell</i> , 2004 , 96, 579-94	3-5	99
56	Searching for active ribosomal genes. <i>Progress in Molecular and Subcellular Biology</i> , 2004 , 35, 23-56	3	2
55	Oldies but goldies: searching for Christmas trees within the nucleolar architecture. <i>Trends in Cell Biology</i> , 2003 , 13, 517-25	18-3	66
54	Overexpression of v-myb oncogene or c-myb proto-oncogene in insect cells: characterization of newly induced nucleolus-like structures accumulating myb protein. <i>International Journal of Molecular Medicine</i> , 2002 , 9, 547	4-4	
53	Ribosomal genes in focus: new transcripts label the dense fibrillar components and form clusters indicative of "Christmas trees" in situ. <i>Journal of Cell Biology</i> , 2002 , 157, 743-8	7-3	119
52	Cyclin D-cdk6 complex is targeted by p21(WAF) in growth-arrested lymphoma cells. <i>Journal of Structural Biology</i> , 2002 , 140, 49-56	3-4	11
51	Temporal regulation of Drosophila salivary gland degeneration by the Broad-Complex transcription factors. <i>Journal of Structural Biology</i> , 2002 , 140, 67-78	3-4	10
50	Searching for active ribosomal genes in situ: light microscopy in light of the electron beam. <i>Journal of Structural Biology</i> , 2002 , 140, 227-31	3-4	9
49	CENP-C binds the alpha-satellite DNA in vivo at specific centromere domains. <i>Journal of Cell Science</i> , 2002 , 115, 2317-2327	5-3	50
48	CENP-C binds the alpha-satellite DNA in vivo at specific centromere domains. <i>Journal of Cell Science</i> , 2002 , 115, 2317-27	5-3	54
47	Non-isotopic mapping of ribosomal RNA synthesis and processing in the nucleolus. <i>Chromosoma</i> , 2001 , 110, 460-70	2-8	15

46	Prespliceosomal assembly on microinjected precursor mRNA takes place in nuclear speckles. <i>Molecular Biology of the Cell</i> , 2001 , 12, 393-406	3.5	46
45	The yeast Ura2 protein that catalyses the first two steps of pyrimidines biosynthesis accumulates not in the nucleus but in the cytoplasm, as shown by immunocytochemistry and Ura2-green fluorescent protein mapping. <i>Yeast</i> , 2000 , 16, 1299-312	3.4	8
44	Pre-ribosomal RNA is processed in permeabilised cells at the site of transcription. <i>European Journal of Cell Biology</i> , 2000 , 79, 202-7	6.1	10
43	Nuclear pre-mRNA compartmentalization: trafficking of released transcripts to splicing factor reservoirs. <i>Molecular Biology of the Cell</i> , 2000 , 11, 497-510	3.5	89
42	Cyclin A down-regulation in TGFbeta1-arrested follicular lymphoma cells. <i>Experimental Cell Research</i> , 2000 , 261, 250-9	4.2	20
41	Ultrastructural characterization of RPA-containing domains in nuclei assembled in <i>Xenopus</i> egg extracts. <i>Journal of Structural Biology</i> , 2000 , 129, 211-7	3.4	2
40	Defined nuclear changes accompany the reprogramming of the microspore to embryogenesis. <i>Journal of Structural Biology</i> , 2000 , 129, 223-32	3.4	46
39	In situ fluorescence visualization of bromouridine incorporated into newly transcribed nucleolar RNA. <i>Acta Histochemica</i> , 2000 , 102, 15-20	2	9
38	Expression of beta-catenins and cadherins by follicular dendritic cells in human lymph nodes. <i>Acta Histochemica</i> , 2000 , 102, 369-80	2	4
37	Nuclear organization studied with the help of a hypotonic shift: its use permits hydrophilic molecules to enter into living cells. <i>Chromosoma</i> , 1999 , 108, 325-35	2.8	71
36	Human autoantibodies identify a protein in dense fibrillar and granular components of the nucleolus. <i>Acta Histochemica</i> , 1999 , 101, 157-66	2	
35	Long-term action of potassium bromide on the rat thyroid gland. <i>Acta Histochemica</i> , 1998 , 100, 11-23	2	15
34	Processing of free cells for electron microscopy using a fibrin clot. <i>Acta Histochemica</i> , 1998 , 100, 309-13	2	3
33	Histones and DNA ultrastructural distribution in plant cell nucleus: a combination of immunogold and cytochemical methods. <i>Experimental Cell Research</i> , 1998 , 242, 45-59	4.2	19
32	Non-isotopic detection of nucleolar transcription in pre-implantation mouse embryos. <i>Reproduction, Nutrition, Development</i> , 1998 , 38, 117-26		3
31	Expression of the proliferating cell nuclear antigen (PCNA) in the rat thyroid gland after exposure to bromide. <i>Acta Histochemica</i> , 1997 , 99, 391-9	2	8
30	Potassium bromide and the thyroid gland of the rat: morphology and immunohistochemistry, RIA and INAA analysis. <i>Annals of Anatomy</i> , 1997 , 179, 421-31	2.9	18
29	Heterogenous nuclear RNP C1 and C2 core proteins are targets for an autoantibody found in the serum of a patient with systemic sclerosis and psoriatic arthritis. <i>Arthritis and Rheumatism</i> , 1997 , 40, 2172-7		21

28	Ultrastructural nonisotopic mapping of nucleolar transcription sites in onion protoplasts. <i>Journal of Structural Biology</i> , 1996 , 116, 253-63	3-4	38
27	Structural organization of the pre-mRNA splicing commitment: a hypothesis. <i>Journal of Structural Biology</i> , 1996 , 117, 189-94	3-4	6
26	Does the synthesis of ribosomal RNA take place within nucleolar fibrillar centers or dense fibrillar components? A critical appraisal. <i>Journal of Structural Biology</i> , 1995 , 114, 1-22	3-4	67
25	Nuclear ultrastructures associated with the RNA synthesis and processing. <i>Journal of Cellular Biochemistry</i> , 1995 , 59, 11-26	4-7	39
24	The Drosophila lethal(2)giant larvae tumor suppressor protein is a component of the cytoskeleton. <i>Journal of Cell Biology</i> , 1994 , 127, 1345-60	7-3	115
23	Nonisotopic ultrastructural mapping of transcription sites within the nucleolus. <i>Experimental Cell Research</i> , 1993 , 208, 275-81	4-2	93
22	Structure-function subcompartments of the mammalian cell nucleus as revealed by the electron microscopic affinity cytochemistry. <i>Cell Biology International Reports</i> , 1992 , 16, 771-89		32
21	Ultrastructural cryoimmunocytochemistry is a convenient tool for the study of DNA replication in cultured cells. <i>Journal of Electron Microscopy Technique</i> , 1991 , 18, 91-105		15
20	Human autoantibody to a novel protein of the nuclear coiled body: immunological characterization and cDNA cloning of p80-coilin. <i>Journal of Experimental Medicine</i> , 1991 , 173, 1407-19	16-6	331
19	Immunological and ultrastructural studies of the nuclear coiled body with autoimmune antibodies. <i>Experimental Cell Research</i> , 1991 , 195, 27-37	4-2	305
18	Immunocytochemistry of the cell nucleus. <i>Electron Microscopy Reviews</i> , 1990 , 3, 301-53		60
17	Association between the nucleolus and the coiled body. <i>Journal of Structural Biology</i> , 1990 , 104, 120-7	3-4	160
16	Ultrastructural immunolocalization of cyclin/PCNA in synchronized 3T3 cells. <i>Experimental Cell Research</i> , 1989 , 184, 81-9	4-2	29
15	Does the synthesis of ribosomal RNA take place-within nucleolar fibrillar centers or dense fibrillar components?. <i>Biology of the Cell</i> , 1989 , 65, 79-82	3-5	63
14	Immunolocalization of 7-2-ribonucleoprotein in the granular component of the nucleolus. <i>Experimental Cell Research</i> , 1988 , 176, 117-28	4-2	113
13	Autoantibodies in hypertrophic cardiomyopathy and their clinical significance. <i>European Heart Journal</i> , 1987 , 8, 773-8	9-5	3
12	Human autoantibodies: probes for nucleolus structure and function. <i>Vigiliae Christianae</i> , 1987 , 54, 131-43	4-2	93
11	Binding of (125I) triiodothyronine to human peripheral leukocytes and its internalization. <i>Experientia</i> , 1987 , 43, 1117-8		5

10	Internalization of triiodothyronine-bovine serum albumin-colloidal gold complexes in human peripheral leukocytes. <i>Experientia</i> , 1987 , 43, 1119-20		3
9	Ultrastructural localization of rRNA in HeLa cells, rat liver cells and <i>Xenopus laevis</i> oocytes by means of the monoclonal antibody--protein a--gold technique. <i>The Histochemical Journal</i> , 1985 , 17, 925-38		3
8	The ultrastructural demonstration of DNA filaments in nucleolonemata. <i>The Histochemical Journal</i> , 1983 , 15, 308-309		
7	Analysis of ring-shaped nucleoli in serially sectioned human lymphocytes. <i>Cell and Tissue Research</i> , 1983 , 234, 707-11	4.2	23
6	Optical diffraction analysis of crystalline inclusions in the rough endoplasmic reticulum of islet parenchymal cells of the hagfish, <i>Myxine glutinosa</i> . <i>Cell and Tissue Research</i> , 1982 , 225, 461-4	4.2	4
5	Fine structure of crystalline inclusions in B-cells of the islets of Langerhans in the alligator. <i>Cell and Tissue Research</i> , 1978 , 187, 535-50	4.2	7
4	The effect of the <i>Bacillus thuringiensis</i> exotoxin on the fine nucleolar morphology and ultrastructure. <i>Experimental Cell Research</i> , 1974 , 87, 351-8	4.2	3
3	Plain and complex flagella of <i>Pseudomonas rhodos</i> : analysis of fine structure and composition. <i>Journal of Bacteriology</i> , 1974 , 117, 844-57	3.5	44
2	Effect of histone on the nucleolar morphology of cells cultured in vitro. <i>Cell and Tissue Research</i> , 1973 , 138, 273-282	4.2	
1	Electron microscopy of polyheads of bacteriophage T4 prepared by freeze-etching. <i>Journal of Ultrastructure Research</i> , 1973 , 44, 27-40		10