

# Irena Selicharova

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

323  
citations

759233

12  
h-index

888059

17  
g-index

25  
all docs

25  
docs citations

25  
times ranked

525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in the proteomes of the hemocytes and fat bodies of the flesh fly <i>Sarcophaga bullata</i> larvae after infection by <i>Escherichia coli</i> . <i>Proteome Science</i> , 2010, 8, 1.	1.7	71
2	Insulin-like Growth Factors Hybrids as Molecular Probes of Hormone:Receptor Binding Specificity. <i>Biochemistry</i> , 2016, 55, 2903-2913.	2.5	24
3	2-DE analysis of a new human cell line EM-G3 derived from breast cancer progenitor cells and comparison with normal mammary epithelial cells. <i>Proteomics</i> , 2007, 7, 1549-1559.	2.2	21
4	Mutations at hypothetical binding site 2 in insulin and insulin-like growth factors 1 and 2 result in receptor- and hormone-specific responses. <i>Journal of Biological Chemistry</i> , 2019, 294, 17371-17382.	3.4	21
5	Quantification of homocysteine-related metabolites and the role of betaine-homocysteine S-methyltransferase in HepG2 cells. <i>Biomedical Chromatography</i> , 2013, 27, 111-121.	1.7	20
6	Rational steering of insulin binding specificity by intra-chain chemical crosslinking. <i>Scientific Reports</i> , 2016, 6, 19431.	3.3	20
7	Phenotyping breast cancer cell lines EM-G3, HCC1937, MCF7 and MDA-MB-231 using 2-D electrophoresis and affinity chromatography for glutathione-binding proteins. <i>BMC Cancer</i> , 2010, 10, 449.	2.6	19
8	Insulin-like Growth Factor 1 Analogs Clicked in the C Domain: Chemical Synthesis and Biological Activities. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 10105-10117.	6.4	18
9	Synthesis and Evaluation of a Library of Trifunctional Scaffold-Derived Compounds as Modulators of the Insulin Receptor. <i>ACS Combinatorial Science</i> , 2016, 18, 710-722.	3.8	17
10	Two-dimensional electrophoretic comparison of metastatic and non-metastatic human breast tumors using in vitro cultured epithelial cells derived from the cancer tissues. <i>BMC Cancer</i> , 2008, 8, 107.	2.6	16
11	Converting Insulin-like Growth Factors 1 and 2 into High-Affinity Ligands for Insulin Receptor Isoform A by the Introduction of an Evolutionarily Divergent Mutation. <i>Biochemistry</i> , 2018, 57, 2373-2382.	2.5	16
12	2-DE analysis of breast cancer cell lines 1833 and 4175 with distinct metastatic organ-specific potentials: comparison with parental cell line MDA-MB-231. <i>Oncology Reports</i> , 2008, 19, 1237-44.	2.6	13
13	A radioligand binding assay for the insulin-like growth factor 2 receptor. <i>PLoS ONE</i> , 2020, 15, e0238393.	2.5	8
14	A radioligand receptor binding assay for measuring of insulin secreted by MIN6 cells after stimulation with glucose, arginine, ornithine, dopamine, and serotonin. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4531-4543.	3.7	8
15	Effects of hyperhomocysteinemia and betaine-homocysteine S-methyltransferase inhibition on hepatocyte metabolites and the proteome. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1596-1606.	2.3	7
16	Insulin Analogues with Altered Insulin Receptor Isoform Binding Specificities and Enhanced Aggregation Stabilities. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14848-14859.	6.4	7
17	A versatile insulin analog with high potency for both insulin and insulin-like growth factor 1 receptors: Structural implications for receptor binding. <i>Journal of Biological Chemistry</i> , 2018, 293, 16818-16829.	3.4	6
18	The efficiency of insulin production and its content in insulin-expressing model $\beta^2$ -cells correlate with their Zn <sup>2+</sup> levels. <i>Open Biology</i> , 2020, 10, 200137.	3.6	5

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19	Cross-Linking/Mass Spectrometry Uncovers Details of Insulin-Like Growth Factor Interaction With Insect Insulin Binding Protein Imp-L2. <i>Frontiers in Endocrinology</i> , 2019, 10, 695.	3.5	3
20	Probing Tripodal Peptide Scaffolds as Insulin and IGFâ€1 Receptor Ligands. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5193-5201.	2.4	2
21	Targeted Metabolomics for Homocysteine-Related Metabolites in Primary Hepatocytes. <i>Methods in Molecular Biology</i> , 2015, 1250, 267-277.	0.9	1
22	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0
23	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0
24	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0
25	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0