Irena Selicharova

List of Publications by Year
in descending order

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	A radioligand receptor binding assay for measuring of insulin secreted by MIN6 cells after stimulation with glucose, arginine, ornithine, dopamine, and serotonin. Analytical and Bioanalytical Chemistry, 2021, 413, 4531-4543.	3.7	8
2	Insulin Analogues with Altered Insulin Receptor Isoform Binding Specificities and Enhanced Aggregation Stabilities. Journal of Medicinal Chemistry, 2021, 64, 14848-14859.	6.4	7
3	The efficiency of insulin production and its content in insulin-expressing model Î²-cells correlate with their Zn ²⁺ levels. Open Biology, 2020, 10, 200137.	3.6	5
4	A radioligand binding assay for the insulin-like growth factor 2 receptor. PLoS ONE, 2020, 15, e0238393.	2.5	8
5	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0
6	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0
7	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0
8	A radioligand binding assay for the insulin-like growth factor 2 receptor. , 2020, 15, e0238393.		0
9	Mutations at hypothetical binding site 2 in insulin and insulin-like growth factors 1 and 2 result in receptor- and hormone-specific responses. Journal of Biological Chemistry, 2019, 294, 17371-17382.	3.4	21
10	Cross-Linking/Mass Spectrometry Uncovers Details of Insulin-Like Growth Factor Interaction With Insect Insulin Binding Protein Imp-L2. Frontiers in Endocrinology, 2019, 10, 695.	3.5	3
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. Biochemistry, 2018, 57, 2373-2382.	2.5	16
12	A versatile insulin analog with high potency for both insulin and insulin-like growth factor 1 receptors: Structural implications for receptor binding. Journal of Biological Chemistry, 2018, 293, 16818-16829.	3.4	6
13	Probing Tripodal Peptide Scaffolds as Insulin and IGFâ€1 Receptor Ligands. European Journal of Organic Chemistry, 2018, 2018, 5193-5201.	2.4	2
14	Insulin-like Growth Factor 1 Analogs Clicked in the C Domain: Chemical Synthesis and Biological Activities. Journal of Medicinal Chemistry, 2017, 60, 10105-10117.	6.4	18
15	Rational steering of insulin binding specificity by intra-chain chemical crosslinking. Scientific Reports, 2016, 6, 19431.	3.3	20
16	Synthesis and Evaluation of a Library of Trifunctional Scaffold-Derived Compounds as Modulators of the Insulin Receptor. ACS Combinatorial Science, 2016, 18, 710-722.	3.8	17
17	Insulinâ€“Insulin-like Growth Factors Hybrids as Molecular Probes of Hormone:Receptor Binding Specificity. Biochemistry, 2016, 55, 2903-2913.	2.5	24
18	Targeted Metabolomics for Homocysteine-Related Metabolites in Primary Hepatocytes. Methods in Molecular Biology, 2015, 1250, 267-277.	0.9	1

#	Article	IF	Citations
19	Quantification of homocysteineâ€related metabolites and the role of betaineâ€“homocysteine Sâ€methyltransferase in HepG2 cells. Biomedical Chromatography, 2013, 27, 111-121.	1.7	20
20	Effects of hyperhomocysteinemia and betaineâ€“homocysteine S-methyltransferase inhibition on hepatocyte metabolites and the proteome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1596-1606.	2.3	7
21	Phenotyping breast cancer cell lines EM-G3, HCC1937, MCF7 and MDA-MB-231 using 2-D electrophoresis and affinity chromatography for glutathione-binding proteins. BMC Cancer, 2010, 10, 449.	2.6	19
22	Changes in the proteomes of the hemocytes and fat bodies of the flesh fly Sarcophaga bullata larvae after infection by Escherichia coli. Proteome Science, 2010, 8, 1.	1.7	71
23	Two-dimensional electrophoretic comparison of metastatic and non-metastatic human breast tumors using in vitrocultured epithelial cells derived from the cancer tissues. BMC Cancer, 2008, 8, 107.	2.6	16
24	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. Oncology Reports, 2008, 19, 1237-44.	2.6	13
25	2-DE analysis of a new human cell line EM-G3 derived from breast cancer progenitor cells and comparison with normal mammary epithelial cells. Proteomics, 2007, 7, 1549-1559.	2.2	21