

# Katarina Johansson

## List of Publications by Citations

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23  
papers

883  
citations

17  
h-index

23  
g-index

23  
ext. papers

1,062  
ext. citations

6.8  
avg, IF

3.68  
L-index

#	Paper	IF	Citations
23	A novel persulfide detection method reveals protein persulfide- and polysulfide-reducing functions of thioredoxin and glutathione systems. <i>Science Advances</i> , <b>2016</b> , 2, e1500968	14.3	175
22	Thioredoxin-related protein of 14 kDa is an efficient L-cystine reductase and S-denitrosylase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6964-9	11.5	88
21	Microsomal glutathione transferase 1 protects against toxicity induced by silica nanoparticles but not by zinc oxide nanoparticles. <i>ACS Nano</i> , <b>2012</b> , 6, 1925-38	16.7	87
20	Microsomal glutathione transferase 1: mechanism and functional roles. <i>Drug Metabolism Reviews</i> , <b>2011</b> , 43, 300-6	7	65
19	Multiple roles of microsomal glutathione transferase 1 in cellular protection: a mechanistic study. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 49, 1638-45	7.8	61
18	Protection of cells from oxidative stress by microsomal glutathione transferase 1. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 355, 592-6	3.4	55
17	Characterization of new potential anticancer drugs designed to overcome glutathione transferase mediated resistance. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1698-708	5.6	38
16	Microsomal glutathione transferase 1 in anticancer drug resistance. <i>Carcinogenesis</i> , <b>2007</b> , 28, 465-70	4.6	38
15	Cross Talk in HEK293 Cells Between Nrf2, HIF, and NF- $\kappa$ B Activities upon Challenges with Redox Therapeutics Characterized with Single-Cell Resolution. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 26, 229-246	8.4	30
14	Comprehensive chemical proteomics for target deconvolution of the redox active drug auranofin. <i>Redox Biology</i> , <b>2020</b> , 32, 101491	11.3	27
13	Association of interleukin 8 with myocardial infarction: results from the Stockholm Heart Epidemiology Program. <i>International Journal of Cardiology</i> , <b>2014</b> , 172, 173-8	3.2	26
12	HER2-positive tumors imaged within 1 hour using a site-specifically <sup>11</sup> C-labeled Sel-tagged affibody molecule. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 1446-53	8.9	26
11	Entinostat up-regulates the CAMP gene encoding LL-37 via activation of STAT3 and HIF-1 $\alpha$ transcription factors. <i>Scientific Reports</i> , <b>2016</b> , 6, 33274	4.9	25
10	Rutin protects against HO-triggered impaired relaxation of placental arterioles and induces Nrf2-mediated adaptation in Human Umbilical Vein Endothelial Cells exposed to oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1177-1189	4	23
9	Time- and cell-resolved dynamics of redox-sensitive Nrf2, HIF and NF- $\kappa$ B activities in 3D spheroids enriched for cancer stem cells. <i>Redox Biology</i> , <b>2017</b> , 12, 403-409	11.3	23
8	MGST1, a GSH transferase/peroxidase essential for development and hematopoietic stem cell differentiation. <i>Redox Biology</i> , <b>2018</b> , 17, 171-179	11.3	22
7	Characterization of a new fluorogenic substrate for microsomal glutathione transferase 1. <i>Analytical Biochemistry</i> , <b>2009</b> , 390, 52-6	3.1	20

6	Chemical Reactivity Window Determines Prodrug Efficiency toward Glutathione Transferase Overexpressing Cancer Cells. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 2010-25	5.6	16
5	Preclinical PET imaging of EGFR levels: pairing a targeting with a non-targeting Sel-tagged Affibody-based tracer to estimate the specific uptake. <i>EJNMMI Research</i> , <b>2016</b> , 6, 58	3.6	11
4	Combining [11C]-AnxA5 PET imaging with serum biomarkers for improved detection in live mice of modest cell death in human solid tumor xenografts. <i>PLoS ONE</i> , <b>2012</b> , 7, e42151	3.7	11
3	Site-specifically 11C-labeled Sel-tagged annexin A5 and a size-matched control for dynamic in vivo PET imaging of protein distribution in tissues prior to and after induced cell death. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 2562-73	4	7
2	Modelling of normal and premalignant oral tissue by using the immortalised cell line, SVpgC2a: a review of the value of the model. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2004</b> , 32, 401-5	2.1	6
1	Characterization of More Selective Central Nervous System Nrf2-Activating Novel Vinyl Sulfoximine Compounds Compared to Dimethyl Fumarate. <i>Neurotherapeutics</i> , <b>2020</b> , 17, 1142-1152	6.4	3