

# Katarina Johansson

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,220  
citations

430843

18  
h-index

642715

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2353  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel persulfide detection method reveals protein persulfide- and polysulfide-reducing functions of thioredoxin and glutathione systems. <i>Science Advances</i> , 2016, 2, e1500968.	10.3	250
2	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> , 2014, 111, 6964-6969.	7.1	125
3	Microsomal Glutathione Transferase 1 Protects Against Toxicity Induced by Silica Nanoparticles but Not by Zinc Oxide Nanoparticles. <i>ACS Nano</i> , 2012, 6, 1925-1938.	14.6	100
4	Microsomal glutathione transferase 1: mechanism and functional roles. <i>Drug Metabolism Reviews</i> , 2011, 43, 300-306.	3.6	97
5	Multiple roles of microsomal glutathione transferase 1 in cellular protection: A mechanistic study. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1638-1645.	2.9	73
6	Protection of cells from oxidative stress by microsomal glutathione transferase 1. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 592-596.	2.1	70
7	Comprehensive chemical proteomics for target deconvolution of the redox active drug auranofin. <i>Redox Biology</i> , 2020, 32, 101491.	9.0	58
8	Characterization of New Potential Anticancer Drugs Designed To Overcome Glutathione Transferase Mediated Resistance. <i>Molecular Pharmaceutics</i> , 2011, 8, 1698-1708.	4.6	50
9	Microsomal glutathione transferase 1 in anticancer drug resistance. <i>Carcinogenesis</i> , 2006, 28, 465-470.	2.8	44
10	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> , 2017, 26, 229-246.	5.4	41
11	Entinostat up-regulates the CAMP gene encoding LL-37 via activation of STAT3 and HIF-1 $\alpha$ transcription factors. <i>Scientific Reports</i> , 2016, 6, 33274.	3.3	38
12	Rutin protects against H <sub>2</sub> O <sub>2</sub> -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> , 2017, 1861, 1177-1189.	2.4	38
13	Chemical Reactivity Window Determines Prodrug Efficiency toward Glutathione Transferase Overexpressing Cancer Cells. <i>Molecular Pharmaceutics</i> , 2016, 13, 2010-2025.	4.6	37
14	MGST1, a GSH transferase/peroxidase essential for development and hematopoietic stem cell differentiation. <i>Redox Biology</i> , 2018, 17, 171-179.	9.0	37
15	Association of interleukin 8 with myocardial infarction: Results from the Stockholm Heart Epidemiology Program. <i>International Journal of Cardiology</i> , 2014, 172, 173-178.	1.7	31
16	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> , 2017, 12, 403-409.	9.0	31
17	HER2-Positive Tumors Imaged Within 1 Hour Using a Site-Specifically <sup>111</sup> C-Labeled Sel-Tagged Affibody Molecule. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1446-1453.	5.0	29
18	Characterization of a new fluorogenic substrate for microsomal glutathione transferase 1. <i>Analytical Biochemistry</i> , 2009, 390, 52-56.	2.4	24

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19	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> , 2016, 6, 58.	2.5	13
20	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> , 2012, 7, e42151.	2.5	11
21	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> , 2013, 1830, 2562-2573.	2.4	8
22	Characterization of More Selective Central Nervous System Nrf2-Activating Novel Vinyl Sulfoximine Compounds Compared to Dimethyl Fumarate. <i>Neurotherapeutics</i> , 2020, 17, 1142-1152.	4.4	8
23	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> , 2004, 32, 401-405.	1.0	7