

# Martina Chiu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5103381/martina-chiu-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

34  
papers

662  
citations

13  
h-index

25  
g-index

39  
ext. papers

872  
ext. citations

4.5  
avg, IF

3.65  
L-index

#	Paper	IF	Citations
34	Development and Validation of [18F](2S,4R)-4-Fluoroglutamine in Multiple Myeloma Mouse Models. <i>Blood</i> , <b>2021</b> , 138, 2674-2674	2.2	
33	ALL blasts drive primary mesenchymal stromal cells to increase asparagine availability during asparaginase treatment. <i>Blood Advances</i> , <b>2021</b> , 5, 5164-5178	7.8	1
32	[F](2,4)-4-Fluoroglutamine as a New Positron Emission Tomography Tracer in Myeloma. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 760732	5.3	2
31	The Role of Amino Acids in the Crosstalk Between Mesenchymal Stromal Cells and Neoplastic Cells in the Hematopoietic Niche. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 714755	5.7	1
30	Hepatoblastoma: glutamine depletion hinders cell viability in the embryonal subtype but high GLUL expression is associated with better overall survival. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2021</b> , 147, 3169-3181	4.9	2
29	Functional Consequences of Low Activity of Transport System A for Neutral Amino Acids in Human Bone Marrow Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
28	Length-dependent toxicity of TiO nanofibers: mitigation via shortening. <i>Nanotoxicology</i> , <b>2020</b> , 14, 433-452	5.2	8
27	Myeloma Cells Deplete Bone Marrow Glutamine and Inhibit Osteoblast Differentiation Limiting Asparagine Availability. <i>Cancers</i> , <b>2020</b> , 12,	6.6	7
26	Pyrogenic and Precipitated Amorphous Silica Nanoparticles Differentially Affect Cell Responses to LPS in Human Macrophages. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
25	Catechin and Procyanidin B Modulate the Expression of Tight Junction Proteins but Do Not Protect from Inflammation-Induced Changes in Permeability in Human Intestinal Cell Monolayers. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	13
24	Evaluation of potential engineered nanomaterials impacts on human health: from risk for workers to impact on consumers <b>2019</b> , 263-287		0
23	Glutamyltransferase enzyme activity of cancer cells modulates L-glutamyl-p-nitroanilide (GPNA) cytotoxicity. <i>Scientific Reports</i> , <b>2019</b> , 9, 891	4.9	10
22	Comparative in Vitro Cytotoxicity of Realistic Doses of Benchmark Multi-Walled Carbon Nanotubes towards Macrophages and Airway Epithelial Cells. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	13
21	Asparagine Synthetase in Cancer: Beyond Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 1480	5.3	41
20	Glutamine Depletion By Addicted Myeloma Cells Inhibits Osteoblastic Differentiation of Bone Marrow Mesenchymal Stromal Cells Limiting Asparagine Availability: A Possible New Mechanism for Myeloma Bone Disease. <i>Blood</i> , <b>2019</b> , 134, 4339-4339	2.2	
19	[18F]-(2S,4R)-4-Fluoroglutamine As a New Positron Emission Tomography Tracer in Multiple Myeloma. <i>Blood</i> , <b>2019</b> , 134, 5542-5542	2.2	
18	Oligodendroglioma Cells Lack Glutamine Synthetase and Are Auxotrophic for Glutamine, but Do not Depend on Glutamine Anaplerosis for Growth. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	12

17	Myeloma-Induced Alterations of Glutamine Metabolism Impair Bone Microenvironment Niche in Multiple Myeloma Patients. <i>Blood</i> , <b>2018</b> , 132, 4481-4481	2.2	
16	GPNA inhibits the sodium-independent transport system L for neutral amino acids. <i>Amino Acids</i> , <b>2017</b> , 49, 1365-1372	3.5	36
15	Lipopolysaccharide Adsorbed to the Bio-Corona of TiO Nanoparticles Powerfully Activates Selected Pro-inflammatory Transduction Pathways. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 866	8.4	19
14	Toxicity determinants of multi-walled carbon nanotubes: The relationship between functionalization and agglomeration. <i>Toxicology Reports</i> , <b>2016</b> , 3, 230-243	4.8	116
13	Shape-Related Toxicity of Titanium Dioxide Nanofibres. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151365	3.7	39
12	Dependence on glutamine uptake and glutamine addiction characterize myeloma cells: a new attractive target. <i>Blood</i> , <b>2016</b> , 128, 667-79	2.2	85
11	Changes in the expression of the glutamate transporter EAAT3/EAAC1 in health and disease. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 2001-15	10.3	50
10	Glutamine depletion by crisantaspase hinders the growth of human hepatocellular carcinoma xenografts. <i>British Journal of Cancer</i> , <b>2014</b> , 111, 1159-67	8.7	39
9	Ammonium Production and Glutamine-Addiction of Myeloma Cells: New Attractive Targets in Multiple Myeloma. <i>Blood</i> , <b>2014</b> , 124, 2067-2067	2.2	2
8	Asparagine levels in the bone marrow of patients with acute lymphoblastic leukemia during asparaginase therapy. <i>Pediatric Blood and Cancer</i> , <b>2013</b> , 60, 1915	3	2
7	hERG1 channels modulate integrin signaling to trigger angiogenesis and tumor progression in colorectal cancer. <i>Scientific Reports</i> , <b>2013</b> , 3, 3308	4.9	58
6	Valproic acid induces the glutamate transporter excitatory amino acid transporter-3 in human oligodendrogloma cells. <i>Neuroscience</i> , <b>2012</b> , 227, 260-70	3.9	14
5	Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. <i>Amino Acids</i> , <b>2012</b> , 43, 2561-7	3.5	24
4	The non-proteinogenic amino acids L-methionine sulfoximine and DL-phosphinothricin activate mTOR. <i>Amino Acids</i> , <b>2012</b> , 42, 2507-12	3.5	8
3	Glutamine Synthetase plays a dual role in the dependence of human cancer cells from glutamine. <i>FASEB Journal</i> , <b>2012</b> , 26, 145.18	0.9	
2	Towards a metabolic therapy of cancer?. <i>Acta Biomedica</i> , <b>2012</b> , 83, 168-76	3.2	7
1	L-Asparaginase and inhibitors of glutamine synthetase disclose glutamine addiction of Ectenin-mutated human hepatocellular carcinoma cells. <i>Current Cancer Drug Targets</i> , <b>2011</b> , 11, 929-43	2.8	36