

Martina Chiu

List of Publications by Citations

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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	Toxicity determinants of multi-walled carbon nanotubes: The relationship between functionalization and agglomeration. <i>Toxicology Reports</i> , 2016 , 3, 230-243	4.8	116
33	Dependence on glutamine uptake and glutamine addiction characterize myeloma cells: a new attractive target. <i>Blood</i> , 2016 , 128, 667-79	2.2	85
32	hERG1 channels modulate integrin signaling to trigger angiogenesis and tumor progression in colorectal cancer. <i>Scientific Reports</i> , 2013 , 3, 3308	4.9	58
31	Changes in the expression of the glutamate transporter EAAT3/EAAC1 in health and disease. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 2001-15	10.3	50
30	Asparagine Synthetase in Cancer: Beyond Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , 2019 , 9, 1480	5.3	41
29	Glutamine depletion by crisantaspase hinders the growth of human hepatocellular carcinoma xenografts. <i>British Journal of Cancer</i> , 2014 , 111, 1159-67	8.7	39
28	Shape-Related Toxicity of Titanium Dioxide Nanofibres. <i>PLoS ONE</i> , 2016 , 11, e0151365	3.7	39
27	GPNA inhibits the sodium-independent transport system L for neutral amino acids. <i>Amino Acids</i> , 2017 , 49, 1365-1372	3.5	36
26	L-Asparaginase and inhibitors of glutamine synthetase disclose glutamine addiction of Eatenin-mutated human hepatocellular carcinoma cells. <i>Current Cancer Drug Targets</i> , 2011 , 11, 929-43	2.8	36
25	Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. <i>Amino Acids</i> , 2012 , 43, 2561-7	3.5	24
24	Lipopolysaccharide Adsorbed to the Bio-Corona of TiO Nanoparticles Powerfully Activates Selected Pro-inflammatory Transduction Pathways. <i>Frontiers in Immunology</i> , 2017 , 8, 866	8.4	19
23	Valproic acid induces the glutamate transporter excitatory amino acid transporter-3 in human oligodendrogloma cells. <i>Neuroscience</i> , 2012 , 227, 260-70	3.9	14
22	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> , 2019 , 11,	6.7	13
21	Comparative in Vitro Cytotoxicity of Realistic Doses of Benchmark Multi-Walled Carbon Nanotubes towards Macrophages and Airway Epithelial Cells. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
20	Oligodendrogloma 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> , 2018 , 19,	6.3	12
19	Glutamyltransferase enzyme activity of cancer cells modulates L-glutamyl-p-nitroanilide (GPNA) cytotoxicity. <i>Scientific Reports</i> , 2019 , 9, 891	4.9	10
18	The non-proteinogenic amino acids L-methionine sulfoximine and DL-phosphinothricin activate mTOR. <i>Amino Acids</i> , 2012 , 42, 2507-12	3.5	8

17	Length-dependent toxicity of TiO nanofibers: mitigation via shortening. <i>Nanotoxicology</i> , 2020 , 14, 433-452	5.2	8
16	Myeloma Cells Deplete Bone Marrow Glutamine and Inhibit Osteoblast Differentiation Limiting Asparagine Availability. <i>Cancers</i> , 2020 , 12,	6.6	7
15	Towards a metabolic therapy of cancer?. <i>Acta Biomedica</i> , 2012 , 83, 168-76	3.2	7
14	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> , 2020 , 21,	6.3	4
13	Asparagine levels in the bone marrow of patients with acute lymphoblastic leukemia during asparaginase therapy. <i>Pediatric Blood and Cancer</i> , 2013 , 60, 1915	3	2
12	Ammonium Production and Glutamine-Addiction of Myeloma Cells: New Attractive Targets in Multiple Myeloma. <i>Blood</i> , 2014 , 124, 2067-2067	2.2	2
11	[F](2,4)-4-Fluoroglutamine as a New Positron Emission Tomography Tracer in Myeloma. <i>Frontiers in Oncology</i> , 2021 , 11, 760732	5.3	2
10	Pyrogenic and Precipitated Amorphous Silica Nanoparticles Differentially Affect Cell Responses to LPS in Human Macrophages. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
9	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> , 2021 , 147, 3169-3181	4.9	2
8	ALL blasts drive primary mesenchymal stromal cells to increase asparagine availability during asparaginase treatment. <i>Blood Advances</i> , 2021 , 5, 5164-5178	7.8	1
7	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> , 2021 , 9, 714755	5.7	1
6	Evaluation of potential engineered nanomaterials impacts on human health: from risk for workers to impact on consumers 2019 , 263-287		0
5	Development and Validation of [18F](2 S,4 R)-4-Fluoroglutamine in Multiple Myeloma Mouse Models. <i>Blood</i> , 2021 , 138, 2674-2674	2.2	
4	Myeloma-Induced Alterations of Glutamine Metabolism Impair Bone Microenvironment Niche in Multiple Myeloma Patients. <i>Blood</i> , 2018 , 132, 4481-4481	2.2	
3	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> , 2019 , 134, 4339-4339	2.2	
2	[18F]-(2S,4R)-4-Fluoroglutamine As a New Positron Emission Tomography Tracer in Multiple Myeloma. <i>Blood</i> , 2019 , 134, 5542-5542	2.2	
1	Glutamine Synthetase plays a dual role in the dependence of human cancer cells from glutamine. <i>FASEB Journal</i> , 2012 , 26, 145.18	0.9	