

# Gábor J Szabó

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5745097/publications.pdf>

Version: 2024-02-01

78  
papers

2,274  
citations

218662

26  
h-index

254170

43  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise training worsens cardiac performance in males but does not change ejection fraction and improves hypertrophy in females in a mouse model of metabolic syndrome. <i>Biology of Sex Differences</i> , 2022, 13, 5.	4.1	5
2	Synthesis of arylphosphinoyl-functionalized dihydroisoquinolines by Reissert-type reaction and their biological evaluation. <i>Tetrahedron</i> , 2022, 111, 132720.	1.9	1
3	Analysis of the Single-Cell Heterogeneity of Adenocarcinoma Cell Lines and the Investigation of Intratumor Heterogeneity Reveals the Expression of Transmembrane Protein 45A (TMEM45A) in Lung Adenocarcinoma Cancer Patients. <i>Cancers</i> , 2022, 14, 144.	3.7	6
4	PMDTA-catalyzed multicomponent synthesis and biological activity of 2-amino-4 <i>H</i> -chromenes containing a phosphonate or phosphine oxide moiety. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6883-6891.	2.8	11
5	Immunoprofiling of <i>Drosophila</i> Hemocytes by Single-cell Mass Cytometry. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 243-252.	6.9	5
6	Male and Female Animals Respond Differently to High-Fat Diet and Regular Exercise Training in a Mouse Model of Hyperlipidemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4198.	4.1	17
7	Chronic Obstructive Pulmonary Disease: Epidemiology, Biomarkers, and Paving the Way to Lung Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 2889.	2.4	49
8	Investigation of Newly Diagnosed Drug-Naive Patients with Systemic Autoimmune Diseases Revealed the Cleaved Peptide Tyrosine Tyrosine (PYY 3-36) as a Specific Plasma Biomarker of Rheumatoid Arthritis. <i>Mediators of Inflammation</i> , 2021, 2021, 1-9.	3.0	5
9	Q134R: Small chemical compound with NFAT inhibitory properties improves behavioral performance and synapse function in mouse models of amyloid pathology. <i>Aging Cell</i> , 2021, 20, e13416.	6.7	7
10	Antiproliferative and antimetastatic characterization of an exo-heterocyclic androstane derivative against human breast cancer cell lines. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111728.	5.6	4
11	Biological evaluation of antiproliferative and anti-invasive properties of an androstadiene derivative on human cervical cancer cell lines. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 214, 105990.	2.5	6
12	Three-component synthesis, utilization and biological activity of phosphinoyl-functionalized isoindolinones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8754-8760.	2.8	6
13	Lifestyle-Induced Redox-Sensitive Alterations: Cross-Talk among the RAAS, Antioxidant/Inflammatory Status, and Hypertension. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	4.0	4
14	Analysis of Ionizing Radiation Induced DNA Damage by Superresolution dSTORM Microscopy. <i>Pathology and Oncology Research</i> , 2021, 27, 1609971.	1.9	4
15	Single Cell Mass Cytometry Revealed the Immunomodulatory Effect of Cisplatin Via Downregulation of Splenic CD44+, IL-17A+ MDSCs and Promotion of Circulating IFN- $\beta$ + Myeloid Cells in the 4T1 Metastatic Breast Cancer Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 170.	4.1	30
16	Imidazo[1,2-b]pyrazole-7-Carboxamide Derivative Induces Differentiation-Coupled Apoptosis of Immature Myeloid Cells Such as Acute Myeloid Leukemia and Myeloid-Derived Suppressor Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5135.	4.1	6
17	Decreased Expression of ZNF554 in Gliomas is Associated with the Activation of Tumor Pathways and Shorter Patient Survival. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5762.	4.1	5
18	Synthesis and In Vitro Cytotoxicity and Antibacterial Activity of Novel 1,2,3-Triazol-5-yl-Phosphonates. <i>Molecules</i> , 2020, 25, 2643.	3.8	8

#	ARTICLE	IF	CITATIONS
19	Polyloid Adipose Stem Cells Shift the Balance of IGF1/IGFBP2 to Promote the Growth of Breast Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 157.	2.8	12
20	Selective Heart Irradiation Induces Cardiac Overexpression of the Pro-hypertrophic miR-212. <i>Frontiers in Oncology</i> , 2019, 9, 598.	2.8	21
21	Single Cell Mass Cytometry of Non-Small Cell Lung Cancer Cells Reveals Complexity of In vivo And Three-Dimensional Models over the Petri-dish. <i>Cells</i> , 2019, 8, 1093.	4.1	18
22	The Anti-Inflammatory Role of Mannich Curcuminoids; Special Focus on Colitis. <i>Molecules</i> , 2019, 24, 1546.	3.8	16
23	1,3-Dipolar Cycloaddition of Isatin-Derived Azomethine Ylides with 2 <i>H</i> -Azirines: Stereoselective Synthesis of 1,3-Diazaspiro[bicyclo[3.1.0]hexane]oxindoles. <i>Journal of Organic Chemistry</i> , 2019, 84, 4273-4281.	3.2	23
24	Sensory Neuropathy Affects Cardiac miRNA Expression Network Targeting IGF-1, SLC2a-12, EIF-4e, and ULK-2 mRNAs. <i>International Journal of Molecular Sciences</i> , 2019, 20, 991.	4.1	16
25	Chronic kidney disease induces left ventricular overexpression of the pro-hypertrophic microRNA-212. <i>Scientific Reports</i> , 2019, 9, 1302.	3.3	32
26	Enantioselective Synthesis of 8-Hydroxyquinoline Derivative, Q134 as a Hypoxic Adaptation Inducing Agent. <i>Molecules</i> , 2019, 24, 4269.	3.8	7
27	Expression of GLP-1 receptors in insulin-containing interneurons of rat cerebral cortex. <i>Diabetologia</i> , 2019, 62, 717-725.	6.3	7
28	Synthesis of N-Peptide-6-Amino-d-Luciferin Conjugates with Optimized Fragment Condensation Strategy. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 1209-1215.	1.9	1
29	Intelligent image-based in situ single-cell isolation. <i>Nature Communications</i> , 2018, 9, 226.	12.8	72
30	Cerebrovascular Pathology in Hypertriglyceridemic APOB-100 Transgenic Mice. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 380.	3.7	9
31	Imidazo[1,2-b]pyrazole-7-carboxamides Induce Apoptosis in Human Leukemia Cells at Nanomolar Concentrations. <i>Molecules</i> , 2018, 23, 2845.	3.8	15
32	MicroRNA interactome analysis predicts post-transcriptional regulation of ADRB2 and PPP3R1 in the hypercholesterolemic myocardium. <i>Scientific Reports</i> , 2018, 8, 10134.	3.3	18
33	Synthesis and Cytoprotective Characterization of 8-Hydroxyquinoline Betti Products. <i>Molecules</i> , 2018, 23, 1934.	3.8	11
34	Synthesis of N-peptide-6-amino-D-luciferin Conjugates. <i>Frontiers in Chemistry</i> , 2018, 6, 120.	3.6	2
35	Transcriptomic and morphophysiological evidence for a specialized human cortical GABAergic cell type. <i>Nature Neuroscience</i> , 2018, 21, 1185-1195.	14.8	212
36	Synthesis, cytotoxic characterization, and SAR study of imidazo[1,2 <i>b</i> ]pyrazole-7-carboxamides. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800062.	4.1	16

#	ARTICLE	IF	CITATIONS
37	Mannich Curcuminoids as Potent Anticancer Agents. <i>Archiv Der Pharmazie</i> , 2017, 350, e1700005.	4.1	23
38	Real architecture For 3D Tissue (RAFT <sup>®</sup> ) culture system improves viability and maintains insulin and glucagon production of mouse pancreatic islet cells. <i>Cytotechnology</i> , 2017, 69, 359-369.	1.6	13
39	Achiral Mannich-Base Curcumin Analogs Induce Unfolded Protein Response and Mitochondrial Membrane Depolarization in PANC-1 Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2105.	4.1	36
40	Inflammation and Cancer: Extra- and Intracellular Determinants of Tumor-Associated Macrophages as Tumor Promoters. <i>Mediators of Inflammation</i> , 2017, 2017, 1-13.	3.0	145
41	Isolated hypercholesterolemia leads to steatosis in the liver without affecting the pancreas. <i>Lipids in Health and Disease</i> , 2017, 16, 144.	3.0	19
42	Investigation of the Antiproliferative Properties of Natural Sesquiterpenes from <i>Artemisia asiatica</i> and <i>Onopordum acanthium</i> on HL-60 Cells in Vitro. <i>International Journal of Molecular Sciences</i> , 2016, 17, 83.	4.1	17
43	Pro-Tumoral Inflammatory Myeloid Cells as Emerging Therapeutic Targets. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1958.	4.1	41
44	Human neuronal changes in brain edema and increased intracranial pressure. <i>Acta Neuropathologica Communications</i> , 2016, 4, 78.	5.2	16
45	Galectin-1 is a local but not systemic immunomodulatory factor in mesenchymal stromal cells. <i>Cytotherapy</i> , 2016, 18, 360-370.	0.7	16
46	Novel Anti-CRR9/CLPTM1L Antibodies with Antitumorigenic Activity Inhibit Cell Surface Accumulation, PI3K Interaction, and Survival Signaling. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 985-997.	4.1	15
47	The Curcumin Analog C-150, Influencing NF- $\kappa$ B, UPR and Akt/Notch Pathways Has Potent Anticancer Activity In Vitro and In Vivo. <i>PLoS ONE</i> , 2016, 11, e0149832.	2.5	45
48	Novel real-time cell analysis platform for the dynamic monitoring of ionizing radiation effects on human tumor cell lines and primary fibroblasts. <i>Molecular Medicine Reports</i> , 2015, 12, 4610-4619.	2.4	8
49	The effect of a preparation of minerals, vitamins and trace elements on the cardiac gene expression pattern in male diabetic rats. <i>Cardiovascular Diabetology</i> , 2015, 14, 85.	6.8	15
50	Curcumin and Its Analogue Induce Apoptosis in Leukemia Cells and Have Additive Effects with Bortezomib in Cellular and Xenograft Models. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	24
51	Characterization of a new class of blue-fluorescent lipid droplet markers for live-cell imaging in plants. <i>Plant Cell Reports</i> , 2015, 34, 655-665.	5.6	17
52	Lipidomic analysis reveals a radiosensitizing role of gamma-linolenic acid in glioma cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1271-1282.	2.4	22
53	RORC1 Regulates Tumor-Promoting $\alpha$ -Emergency $\beta$ -Granulo-Monocytopoiesis. <i>Cancer Cell</i> , 2015, 28, 253-269.	16.8	154
54	Anti-Inflammatory Effect of Recreational Exercise in TNBS-Induced Colitis in Rats: Role of NOS/HO/MPO System. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-11.	4.0	41

#	ARTICLE	IF	CITATIONS
55	Anticancer and Multidrug Resistance-Reversal Effects of Solanidine Analogs Synthesized from Pregnenolone Acetate. <i>Molecules</i> , 2014, 19, 2061-2076.	3.8	24
56	Facile synthesis of 1 <i>H</i> -imidazo[1,2- <i>b</i> ]pyrazoles via a sequential one-pot synthetic approach. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2338-2344.	2.2	13
57	Compounds Blocking Methylglyoxal-induced Protein Modification and Brain Endothelial Injury. <i>Archives of Medical Research</i> , 2014, 45, 753-764.	3.3	29
58	Combination of unsaturated fatty acids and ionizing radiation on human glioma cells: cellular, biochemical and gene expression analysis. <i>Lipids in Health and Disease</i> , 2014, 13, 142.	3.0	48
59	Extracellular matrilin-2 deposition controls the myogenic program timing during muscle regeneration. <i>Journal of Cell Science</i> , 2014, 127, 3240-56.	2.0	19
60	MicroRNAs associated with ischemia-reperfusion injury and cardioprotection by ischemic pre- and postconditioning: protectomiRs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H216-H227.	3.2	106
61	Lipid droplet binding thalidomide analogs activate endoplasmic reticulum stress and suppress hepatocellular carcinoma in a chemically induced transgenic mouse model. <i>Lipids in Health and Disease</i> , 2013, 12, 175.	3.0	11
62	Q50, an Iron-Chelating and Zinc-Complexing Agent, Improves Cardiac Function in Rat Models of Ischemia/Reperfusion-Induced Myocardial Injury. <i>Circulation Journal</i> , 2013, 77, 1817-1826.	1.6	9
63	Digital PCR to determine the number of transcripts from single neurons after patch-clamp recording. <i>BioTechniques</i> , 2013, 54, 327-336.	1.8	23
64	The effect of sucrose esters on a culture model of the nasal barrier. <i>Toxicology in Vitro</i> , 2012, 26, 445-454.	2.4	46
65	Identification of Galectin-1 as a Critical Factor in Function of Mouse Mesenchymal Stromal Cell-Mediated Tumor Promotion. <i>PLoS ONE</i> , 2012, 7, e41372.	2.5	29
66	MicroRNA profile of polyunsaturated fatty acid treated glioma cells reveal apoptosis-specific expression changes. <i>Lipids in Health and Disease</i> , 2011, 10, 173.	3.0	60
67	High-Density Real-Time PCR-Based in Vivo Toxicogenomic Screen to Predict Organ-Specific Toxicity. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6116-6134.	4.1	21
68	A cell-microelectronic sensing technique for the screening of cytoprotective compounds. <i>International Journal of Molecular Medicine</i> , 2010, 25, 525-30.	4.0	33
69	Mechanism of tumor cell-induced T-cell apoptosis mediated by galectin-1. <i>Immunology Letters</i> , 2010, 127, 108-118.	2.5	82
70	Polyunsaturated fatty acids synergize with lipid droplet binding thalidomide analogs to induce oxidative stress in cancer cells. <i>Lipids in Health and Disease</i> , 2010, 9, 56.	3.0	36
71	Toxicogenomics screening of small molecules using high-density, nanocapillary real-time PCR. <i>International Journal of Molecular Medicine</i> , 2009, 23, 65-74.	4.0	10
72	Co-localization of galectin-1 with GM1 ganglioside in the course of its clathrin- and raft-dependent endocytosis. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2586-2593.	5.4	41

#	ARTICLE	IF	CITATIONS
73	Hypercholesterolemia increases myocardial oxidative and nitrosative stress thereby leading to cardiac dysfunction in apoB-100 transgenic mice. <i>Cardiovascular Research</i> , 2007, 76, 100-109.	3.8	96
74	Melatonin-induced gene expression changes and its preventive effects on adriamycin-induced lipid peroxidation in rat liver. <i>Journal of Pineal Research</i> , 2007, 42, 43-49.	7.4	35
75	Acid sphingomyelinase mediated release of ceramide is essential to trigger the mitochondrial pathway of apoptosis by galectin-1. <i>Cellular Signalling</i> , 2006, 18, 1887-1896.	3.6	54
76	Impact of Venlafaxine on Gene Expression Profile in Lymphocytes of the Elderly with Major Depression – Evolution of Antidepressants and the Role of the “Neuro-Immune” System. <i>Neurochemical Research</i> , 2005, 30, 1429-1438.	3.3	36
77	Cholesterol and cholesterol plus DHA diet-induced gene expression and fatty acid changes in mouse eye and brain. <i>Biochimie</i> , 2004, 86, 817-824.	2.6	42
78	Development of chemically modified glass surfaces for nucleic acid, protein and small molecule microarrays. <i>Molecular Diversity</i> , 2003, 7, 25-36.	3.9	16