

# Andras Szarka

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,855  
citations

304743

22  
h-index

265206

42  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2680  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Vitamin C: update on physiology and pharmacology. <i>British Journal of Pharmacology</i> , 2009, 157, 1097-1110.   | 5.4 | 356       |
| 2  | The Ascorbate-glutathione- $\gamma$ -tocopherol Triad in Abiotic Stress Response. <i>International Journal of Molecular Sciences</i> , 2012, 13, 4458-4483.  | 4.1 | 202       |
| 3  | Ferroptosis is Involved in Acetaminophen Induced Cell Death. <i>Pathology and Oncology Research</i> , 2015, 21, 1115-1121.   | 1.9 | 146       |
| 4  | Arabidopsis PPR40 Connects Abiotic Stress Responses to Mitochondrial Electron Transport $\hat{A}$ $\hat{A}$ . <i>Plant Physiology</i> , 2008, 146, 1721-1737.  | 4.8 | 137       |
| 5  | Acetaminophen induces ER dependent signaling in mouse liver. <i>Archives of Biochemistry and Biophysics</i> , 2007, 459, 273-279.  | 3.0 | 93        |
| 6  | BGP-15 inhibits caspase-independent programmed cell death in acetaminophen-induced liver injury. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 96-103.   | 2.8 | 61        |
| 7  | Subcellular compartmentation of ascorbate and its variation in disease states. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1909-1916.   | 4.1 | 58        |
| 8  | A Double Negative Feedback Loop between mTORC1 and AMPK Kinases Guarantees Precise Autophagy Induction upon Cellular Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5543.              | 4.1 | 57        |
| 9  | Facilitated glucose and dehydroascorbate transport in plant mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 2004, 428, 73-80.   | 3.0 | 48        |
| 10 | Glucose Transport and Transporters in the Endomembranes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5898.  | 4.1 | 46        |
| 11 | The Inter-Relationship of Ascorbate Transport, Metabolism and Mitochondrial, Plastidic Respiration. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1036-1044.   | 5.4 | 43        |
| 12 | Dehydroascorbate reduction in plant mitochondria is coupled to the respiratory electron transfer chain. <i>Physiologia Plantarum</i> , 2007, 129, 225-232.   | 5.2 | 37        |
| 13 | Suppression of <i>AMPK</i> by <i>NRF2/SKN1</i> down-regulates autophagy during prolonged oxidative stress. <i>FASEB Journal</i> , 2019, 33, 2372-2387.   | 0.5 | 37        |
| 14 | Ascorbate-mediated electron transfer in protein thiol oxidation in the endoplasmic reticulum. <i>FEBS Letters</i> , 1999, 460, 539-543.  | 2.8 | 33        |
| 15 | The role of ascorbate in protein folding. <i>Protoplasma</i> , 2014, 251, 489-497.   | 2.1 | 33        |
| 16 | Ascorbyl free radical and dehydroascorbate formation in rat liver endoplasmic reticulum. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 317-323.   | 2.3 | 32        |
| 17 | Concentration Does Matter: The Beneficial and Potentially Harmful Effects of Ascorbate in Humans and Plants. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1516-1533.                                    | 5.4 | 30        |
| 18 | Enhanced activity of galactono-1,4-lactone dehydrogenase and ascorbate-glutathione cycle in mitochondria from complex III deficient Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 809-815. | 5.8 | 29        |

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|----|---|-----|-----------|
| 19 | Fine-tuning of AMPK&#x2013;ULK1&#x2013;mTORC1 regulatory triangle is crucial for autophagy oscillation. <i>Scientific Reports</i> , 2020, 10, 17803.  | 3.3 | 29        |
| 20 | Vitamin C and Cell Death. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 831-844.  | 5.4 | 29        |
| 21 | Role of Vitamin E in Ascorbate-Dependent Protein Thiol Oxidation in Rat Liver Endoplasmic Reticulum. <i>Archives of Biochemistry and Biophysics</i> , 2001, 388, 55-59.   | 3.0 | 27        |
| 22 | FAD Transport and FAD-dependent Protein Thiol Oxidation in Rat Liver Microsomes. <i>Journal of Biological Chemistry</i> , 2004, 279, 3370-3374.   | 3.4 | 23        |
| 23 | The determination of hepatic glutathione at tissue and subcellular level. <i>Journal of Pharmacological and Toxicological Methods</i> , 2017, 88, 32-39.  | 0.7 | 22        |
| 24 | Demonstration of an intramitochondrial invertase activity and the corresponding sugar transporters of the inner mitochondrial membrane in Jerusalem artichoke ( <i>Helianthus tuberosus</i> L.) tubers. <i>Planta</i> , 2008, 228, 765-775. | 3.2 | 21        |
| 25 | Crosstalk and Barriers Between the Electron Carriers of the Endoplasmic Reticulum. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 772-780.   | 5.4 | 21        |
| 26 | The potential role of acrolein in plant ferroptosis-like cell death. <i>PLoS ONE</i> , 2019, 14, e0227278.  | 2.5 | 21        |
| 27 | The Interrelationship of Pharmacologic Ascorbate Induced Cell Death and Ferroptosis. <i>Pathology and Oncology Research</i> , 2019, 25, 669-679.  | 1.9 | 21        |
| 28 | Dehydroascorbate and glucose are taken up into <i>Arabidopsis thaliana</i> cell cultures by two distinct mechanisms. <i>FEBS Letters</i> , 2008, 582, 2714-2718.  | 2.8 | 17        |
| 29 | The Problem of Glutathione Determination: a Comparative Study on the Measurement of Glutathione from Plant Cells. <i>Periodica Polytechnica: Chemical Engineering</i> , 2018, 63, 1-10.   | 1.1 | 16        |
| 30 | GLUT10&#x2013;Lacking in Arterial Tortuosity Syndrome&#x2013;Is Localized to the Endoplasmic Reticulum of Human Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1820.   | 4.1 | 15        |
| 31 | Intraluminal hydrogen peroxide induces a permeability change of the endoplasmic reticulum membrane. <i>FEBS Letters</i> , 2008, 582, 4131-4136.   | 2.8 | 14        |
| 32 | In silico aided thoughts on mitochondrial vitamin C transport. <i>Journal of Theoretical Biology</i> , 2015, 365, 181-189.  | 1.7 | 12        |
| 33 | Friend or Foe: The Relativity of (Anti)oxidative Agents and Pathways. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5188.  | 4.1 | 11        |
| 34 | Genetic Polymorphism of GSTP-1 Affects Cyclophosphamide Treatment of Autoimmune Diseases. <i>Molecules</i> , 2020, 25, 1542.  | 3.8 | 10        |
| 35 | Comparison of the response of alternative oxidase and uncoupling proteins to bacterial elicitor induced oxidative burst. <i>PLoS ONE</i> , 2019, 14, e0210592.  | 2.5 | 9         |
| 36 | Quantitative data on the contribution of GSH and Complex II dependent ascorbate recycling in plant mitochondria. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3245-3250.  | 2.1 | 8         |

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|----|--|-----|-----------|
| 37 | The Performance of HepG2 and HepaRG Systems through the Glass of Acetaminophen-Induced Toxicity. <i>Life</i> , 2021, 11, 856.                                    | 2.4 | 8         |
| 38 | Therapeutic Approach of KRAS Mutant Tumours by the Combination of Pharmacologic Ascorbate and Chloroquine. <i>Biomolecules</i> , 2021, 11, 652.                  | 4.0 | 7         |
| 39 | BGP-15 Protects Mitochondria in Acute, Acetaminophen Overdose Induced Liver Injury. <i>Pathology and Oncology Research</i> , 2020, 26, 1797-1803.                | 1.9 | 6         |
| 40 | Rapid ascorbate response to bacterial elicitor treatment in <i>Arabidopsis thaliana</i> cells. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.                 | 2.1 | 4         |
| 41 | Oxidative folding: recent developments. <i>Biomolecular Concepts</i> , 2011, 2, 379-390.   | 2.2 | 3         |
| 42 | Determination of sorbitol in the presence of high amount of mannitol from biological samples. <i>Periodica Polytechnica: Chemical Engineering</i> , 2014, 58, 1. | 1.1 | 3         |
| 43 | The Level of ALR is Regulated by the Quantity of Mitochondrial DNA. <i>Pathology and Oncology Research</i> , 2016, 22, 431-437.                                  | 1.9 | 3         |
| 44 | Rapid ascorbate response to bacterial elicitor treatment in <i>Arabidopsis thaliana</i> cells. <i>Free Radical Biology and Medicine</i> , 2017, 108, S22.        | 2.9 | 0         |
| 45 | In silico Analysis on the Possible Role of Mitochondria in Ferroptosis. <i>Periodica Polytechnica: Chemical Engineering</i> , 2018, 62, .                        | 1.1 | 0         |
| 46 | Drug induced cytotoxicity in various in vitro models. <i>Free Radical Biology and Medicine</i> , 2021, 177, S131.  | 2.9 | 0         |