

# PÃ¡l SzabÃ³

## List of Publications by Year in descending order

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93  
papers

1,875  
citations

257357

24  
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330025

37  
g-index

98  
all docs

98  
docs citations

98  
times ranked

2946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocytes convert network excitation to tonic inhibition of neurons. <i>BMC Biology</i> , 2012, 10, 26.	1.7	142
2	Discovery and Biological Evaluation of a New Family of Potent Modulators of Multidrug Resistance: Reversal of Multidrug Resistance of Mouse Lymphoma Cells by New Natural Jatrophone Diterpenoids Isolated from <i>Euphorbia</i> Species. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2425-2431.	2.9	102
3	Design, synthesis and biological evaluation of thiosemicarbazones, hydrazinobenzothiazoles and arylhydrazones as anticancer agents with a potential to overcome multidrug resistance. <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 335-354.	2.6	79
4	Pegylated liposomal formulation of doxorubicin overcomes drug resistance in a genetically engineered mouse model of breast cancer. <i>Journal of Controlled Release</i> , 2017, 261, 287-296.	4.8	70
5	Vitamin K does not prevent soft tissue mineralization in a mouse model of pseudoxanthoma elasticum. <i>Cell Cycle</i> , 2011, 10, 1810-1820.	1.3	50
6	Molecular mechanism of the short-term cardiotoxicity caused by 2',3'-dideoxycytidine (ddC): modulation of reactive oxygen species levels and ADP-ribosylation reactions. <i>Biochemical Pharmacology</i> , 1999, 58, 1915-1925.	2.0	47
7	Rapid turnover of DNA methylation in human cells. <i>Epigenetics</i> , 2012, 7, 141-145.	1.3	47
8	Multiple ABC Transporters Efflux Baicalin. <i>Phytotherapy Research</i> , 2015, 29, 1987-1990.	2.8	47
9	Altered Active Site Flexibility and a Structural Metal-binding Site in Eukaryotic dUTPase. <i>Journal of Biological Chemistry</i> , 2004, 279, 17932-17944.	1.6	42
10	Bioactivity-guided isolation of antiproliferative compounds from <i>Centaurea arenaria</i> . <i>Phytotherapy Research</i> , 2010, 24, 1664-1669.	2.8	40
11	Jatrophone Diterpenes from <i>Euphorbia esula</i> as Antiproliferative Agents and Potent Chemosensitizers to Overcome Multidrug Resistance. <i>Journal of Natural Products</i> , 2011, 74, 1453-1461.	1.5	40
12	Alkamides and a neolignan from <i>Echinacea purpurea</i> roots and the interaction of alkamides with G-protein-coupled cannabinoid receptors. <i>Phytochemistry</i> , 2011, 72, 1848-1853.	1.4	38
13	Euphosalicin, a new diterpene polyester with multidrug resistance reversing activity from <i>Euphorbia salicifolia</i> . <i>Tetrahedron</i> , 2001, 57, 211-215.	1.0	36
14	Identification of ethyl pyruvate and dihydrocinchonidine adducts by electrospray ionization mass spectrometry. , 2000, 14, 509-514.		35
15	Ivermectin Interacts With Human ABCG2. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 94-97.	1.6	35
16	Kinetic Characterization of Sulfasalazine Transport by Human ATP-Binding Cassette G2. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 497-499.	0.6	34
17	Simultaneous determination of thirteen different steroid hormones using micro UHPLC-MS/MS with on-line SPE system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 258-267.	1.4	32
18	Efficient synthesis of fullerenes in RF thermal plasma reactor. <i>Chemical Physics Letters</i> , 2003, 378, 434-439.	1.2	31

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19	Heterogeneous asymmetric reactions. <i>Journal of Molecular Catalysis A</i> , 2001, 170, 165-173.	4.8	28
20	Simultaneous determination of ten nonsteroidal anti-inflammatory drugs from drinking water, surface water and wastewater using micro UHPLC-MS/MS with on-line SPE system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 99-108.	1.4	28
21	Unusual Tiglane Diterpenes from <i>Euphorbia grandicornis</i> . <i>Journal of Natural Products</i> , 2011, 74, 639-643.	1.5	27
22	Modulation of nose-to-brain delivery of a P-glycoprotein (MDR1) substrate model drug (quinidine) in rats. <i>Brain Research Bulletin</i> , 2020, 160, 65-73.	1.4	27
23	Induced chirality upon binding of cis-parinaric acid to bovine $\beta$ -lactoglobulin: spectroscopic characterization of the complex. <i>FEBS Letters</i> , 2002, 520, 81-87.	1.3	25
24	Synthesis and characterization of the anticancer and metal binding properties of novel pyrimidinylhydrazone derivatives. <i>Journal of Inorganic Biochemistry</i> , 2015, 144, 18-30.	1.5	25
25	Salicifoline and salicinolide, new diterpene polyesters from <i>Euphorbia salicifolia</i> . <i>Tetrahedron Letters</i> , 2001, 42, 6581-6584.	0.7	24
26	CANALICULAR AND SINUSOIDAL DISPOSITION OF BILIRUBIN MONO- AND DIGLUCURONIDES IN SANDWICH-CULTURED HUMAN AND RAT PRIMARY HEPATOCYTES. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1355-1360.	1.7	24
27	A Double-Clicking Bis-Azide Fluorogenic Dye for Bioorthogonal Self-Labeling Peptide Tags. <i>Chemistry - A European Journal</i> , 2016, 22, 6382-6388.	1.7	24
28	Comparative Study on the Decomposition of Chloroform in Thermal and Cold Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2005, 25, 289-302.	1.1	23
29	ABCC6 does not transport vitamin K3-glutathione conjugate from the liver: Relevance to pathomechanisms of pseudoxanthoma elasticum. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 468-471.	1.0	23
30	Concurrent Confirmation and Differential Diagnosis of Congenital Adrenal Hyperplasia from Dried Blood Spots: Application of a Second-Tier LC-MS/MS Assay in a Cross-Border Cooperation for Newborn Screening. <i>Hormone Research in Paediatrics</i> , 2015, 84, 311-318.	0.8	23
31	Cinchona based squaramide catalysed enantioselective Michael addition of $\beta$ -nitro phosphonates to aryl acrylates: enantioselective synthesis of quaternary $\beta$ -aminophosphonates. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1605-1614.	1.8	22
32	Verification of P-Glycoprotein Function at the Dermal Barrier in Diffusion Cells and Dynamic $\alpha$ -Skin-On-A-Chip Microfluidic Device. <i>Pharmaceutics</i> , 2020, 12, 804.	2.0	22
33	Electrospray mass spectrometry of hydrophobic compounds using dimethyl sulfoxide and dimethylformamide as solvents. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2415-2419.	0.7	21
34	Drug Interaction Potential of 2-((3,4-Dichlorophenethyl)(propyl)amino)-1-(pyridin-3-yl)ethanol (LK-935), the Novel Nonstatin-Type Cholesterol-Lowering Agent. <i>Drug Metabolism and Disposition</i> , 2009, 37, 375-385.	1.7	21
35	Identification of new types of aluminium compounds by electrospray ionization mass spectrometry: oxonium cations. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 65-69.	0.7	20
36	Synthesis of Vinca Alkaloids and Related Compounds. 100. Stereoselective Oxidation Reactions of Compounds with the Aspidosperman and Quebrachamine Ring System. First Synthesis of Some Alkaloids Containing the Epoxy Ring 1a. <i>Journal of Organic Chemistry</i> , 2002, 67, 7255-7260.	1.7	20

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37	New tri- and tetracyclic diterpenes from <i>Euphorbia villosa</i> . <i>Tetrahedron</i> , 2004, 60, 5025-5030.	1.0	20
38	Capillary chromatography/microelectrospray mass spectrometry used for the identification of putative cyclin-dependent kinase inhibitory protein in <i>Medicago</i> . , 1998, 12, 1564-1568.		19
39	Preparation of New Sulfonated Triarylphosphanes: Control of the Selectivity by Structural Assistance. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 2775-2781.	1.2	19
40	Acquired nintedanib resistance in FGFR1-driven small cell lung cancer: role of endothelin-A receptor-activated ABCB1 expression. <i>Oncotarget</i> , 2016, 7, 50161-50179.	0.8	19
41	A New Series of Glycopeptide Antibiotics Incorporating a Squaric Acid Moiety. <i>Journal of Antibiotics</i> , 2006, 59, 564-582.	1.0	18
42	Study of the high temperature reactions of a hindered aryl phosphite (Hostanox PAR 24) used as a processing stabiliser in polyolefins. <i>Polymer Degradation and Stability</i> , 2010, 95, 1883-1893.	2.7	18
43	Characterization of the gene for factor C, an extracellular signal protein involved in morphological differentiation of <i>Streptomyces griseus</i> This paper is dedicated to the memory of Professor GÁjbor SzabÁ <sup>3</sup> . The GenBank accession number for the sequence reported in this paper is AF103943.. <i>Microbiology (United Kingdom)</i> , 1999, 145, 2245-2253.	0.7	18
44	Synthesis of vinca alkaloids and related compounds <b>98</b>. Oxidation with dimethyldioxirane of compounds containing the aspidospermane and quebrachamine ring system. A simple synthesis of (7<i>S</i>,20<i>S</i>)â€(+)â€rhazidigenine and (2<i>R</i>,7<i>S</i>,20<i>S</i>)â€(+)â€rhazidine. <i>Journal of Heterocyclic Chemistry</i> , 2002, 39, 767-771.	1.4	17
45	Comparative Study of the Decomposition of CCl <sub>4</sub> in Cold and Thermal Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2003, 23, 651-664.	1.1	16
46	Jatrophane diterpenoids with multidrug resistance-modulating activity from <i>Euphorbia mongolica</i> Prokh.. <i>Tetrahedron</i> , 2012, 68, 8403-8407.	1.0	15
47	Critical Role of Astrocytic Polyamine and GABA Metabolism in Epileptogenesis. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 787319.	1.8	15
48	Electrospray mass spectrometry of phosphoramidites, a group of acid-labile compounds. , 1999, 34, 1317-1321.		14
49	Phenanthrenes and a dihydrophenanthrene from <i>Tamus communis</i> and their cytotoxic activity. <i>Phytochemistry</i> , 2007, 68, 687-691.	1.4	14
50	Some observations on the reductive ring opening of 4,6-O-benzylidene acetals of hexopyranosides with the borane trimethylamineâ€aluminium chloride reagent. <i>Carbohydrate Research</i> , 2011, 346, 1633-1637.	1.1	13
51	Charged derivatization and on-line solid phase extraction to measure extremely low cortisol and cortisone levels in human saliva with liquid chromatographyâ€tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 140, 223-231.	1.4	13
52	Study on the Microwave-Assisted Batch and Continuous Flow Synthesis of N-Alkyl-Isoindolin-1-One-3-Phosphonates by a Special Kabachnikâ€Fields Condensation. <i>Molecules</i> , 2020, 25, 3307.	1.7	13
53	Recent Studies on the Decomposition of n-Hexane and Toluene in RF Thermal Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2003, 23, 233-243.	1.1	12
54	Electrospray mass spectrometric investigation of the binding of cis-parinaric acid to bovine beta-lactoglobulin and study of the ligand-binding site of the protein using limited proteolysis. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2464-2470.	0.7	12

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55	<sup>13</sup> C-Hydroxybutyrate binds to the synaptic site recognizing succinate monocarboxylate: A new hypothesis on astrocyte-neuron interaction via the protonation of succinate. <i>Journal of Neuroscience Research</i> , 2008, 86, 1566-1576.	1.3	12
56	Synthesis and pharmacological investigation of new N-hydroxyalkyl-2-aminophenothiazines exhibiting marked MDR inhibitory effect. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3760-3779.	1.4	12
57	Synthesis of vinca alkaloids and related compounds. Part 101: A new convergent synthetic pathway to build up the aspidospermane skeleton. Simple synthesis of 3-oxovincadifformine and 3-oxominovincine. Attempts to produce 15 <sup>12</sup> -hydroxyvincadifformine. <i>Tetrahedron</i> , 2002, 58, 8921-8927.	1.0	11
58	Inhibition of Human Sterol 7 $\alpha$ -Reductase and Other Postlanosterol Enzymes by LK-980, a Novel Inhibitor of Cholesterol Synthesis. <i>Drug Metabolism and Disposition</i> , 2011, 39, 39-46.	1.7	11
59	Unexpected formation of a fused double cycle trinuclear gold( <i>scp</i> ) complex supported by ortho-phenyl metallated aryl-diphosphine ligands and strong aurophilic interactions. <i>Dalton Transactions</i> , 2016, 45, 12569-12575.	1.6	11
60	Silica@zirconia@poly(malic acid) nanoparticles: promising nanocarriers for theranostic applications. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4420-4429.	2.9	10
61	Discovery of isatin and 1H-indazol-3-ol derivatives as d-amino acid oxidase (DAAO) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1579-1587.	1.4	10
62	Synovial and Systemic Pharmacokinetics of Florfenicol and PK/PD Integration against <i>Streptococcus suis</i> in Pigs. <i>Pharmaceutics</i> , 2022, 14, 109.	2.0	10
63	Isolation and Structural Characterization of New, Highly Functionalized Diterpenes from <i>Euphorbia serrulata</i> . <i>Helvetica Chimica Acta</i> , 2003, 86, 280-289.	1.0	8
64	Comparative Study on Decomposition of CFC13 in Thermal and Cold Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2005, 25, 275-288.	1.1	7
65	Pushing quantitation limits in micro UHPLC-MS/MS analysis of steroid hormones by sample dilution using high volume injection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 135-141.	1.4	7
66	Inhibition of DNA methyltransferase leads to increased genomic 5-hydroxymethylcytosine levels in hematopoietic cells. <i>FEBS Open Bio</i> , 2018, 8, 584-592.	1.0	7
67	Comparative study of carbonization of hydrocarbons. The rule. <i>Tetrahedron</i> , 1999, 55, 1799-1806.	1.0	6
68	Identification of factor C protein from <i>Streptomyces griseus</i> by microelectrospray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1999, 34, 1312-1316.		6
69	Cephalosporin Podand Derivatives.. <i>Journal of Antibiotics</i> , 2000, 53, 1207-1211.	1.0	6
70	A new phenanthridine alkaloid from <i>Hymenocallis festalis</i> . <i>Phytochemistry</i> , 2002, 73, 749-751.	1.1	6
71	Solution state conformation and degradation of cyclopeptides containing an NGR motif. <i>Journal of Peptide Science</i> , 2005, 11, 53-59.	0.8	6
72	Baicalin is a substrate of OATP2B1 and OATP1B3. <i>Phytotherapy Research</i> , 2018, 32, 1647-1650.	2.8	6

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73	Role of oligo(malic acid) on the formation of unilamellar vesicles. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 782-789.	5.0	6
74	Synthesis of (1,2,3-triazol-4-yl)methyl Phosphinates and (1,2,3-Triazol-4-yl)methyl Phosphates by Copper-Catalyzed Azide-Alkyne Cycloaddition. <i>Molecules</i> , 2019, 24, 2085.	1.7	6
75	Three-component synthesis, utilization and biological activity of phosphinoyl-functionalized isoindolinones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8754-8760.	1.5	6
76	Mechanistic Studies of dUTPases. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1475-1479.	0.4	5
77	Adverse events in a newborn on valproate therapy due to loss-of-function mutations in CYP2C9. <i>Epilepsy &amp; Behavior Case Reports</i> , 2015, 4, 86-87.	1.5	5
78	Synthesis of oligopeptides with the sequence SXWS and their chemotactic effects on a ciliated protozoan <i>Tetrahymena pyriformis</i> . <i>Journal of Peptide Science</i> , 2002, 8, 13-22.	0.8	4
79	Detection of hydrogen peroxide by lactoperoxidase-mediated dityrosine formation. <i>Free Radical Research</i> , 2009, 43, 440-445.	1.5	4
80	Influence of achiral amine additives on the Orito's reaction. <i>Journal of Molecular Catalysis A</i> , 2012, 357, 87-94.	4.8	4
81	Unexpected retention behavior of baicalin: Hydrophilic interaction like properties of a reversed-phase column. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 119-125.	1.4	4
82	Decreased Nuclear Ascorbate Accumulation Accompanied with Altered Genomic Methylation Pattern in Fibroblasts from Arterial Tortuosity Syndrome Patients. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	1.9	4
83	Age-Related Inflammatory Balance Shift, Nasal Barrier Function, and Cerebro-Morphological Status in Healthy and Diseased Rodents. <i>Frontiers in Neuroscience</i> , 2021, 15, 700729.	1.4	4
84	Doubly charged ions: Differentiation of flavanone and 2-hydroxy chalcone. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 635-640.	0.7	3
85	A relative quantitation method for measuring DNA methylation and hydroxymethylation using guanine as an internal standard. <i>Analytical Methods</i> , 2021, 13, 4614-4622.	1.3	3
86	Determination of active hydrogen in organic compounds by electron-impact mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 679-683.	0.7	2
87	Mechanochemical synthesis of mononuclear gold(i) halide complexes of diphosphine ligands with tuneable luminescent properties. <i>Dalton Transactions</i> , 2021, 50, 13337-13344.	1.6	2
88	A Modified Procedure for Estimating the Impact of the Uptake on the Overall Biliary Clearance in Sandwich Culture of Rat Hepatocytes. <i>Drug Metabolism Letters</i> , 2015, 9, 17-27.	0.5	1
89	Thermal Plasma Decomposition of Tetrachloroethylene. <i>Plasma Chemistry and Plasma Processing</i> , 2018, 38, 771-790.	1.1	1
90	Electron Impact Mass Spectrometry of 2-Aryl-thiazolidine-4-carboxylic Acids. , 1996, 10, 1136-1140.		0

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91	A simple folding method for high level production of the hydrophobic disulfide bonded hepatitis B X protein by inclusion body route and its structural analysis. Progress in Biotechnology, 1998, 15, 269-274.	0.2	0
92	Effect of Chronic Treatment With Psychiatric Medications Aripiprazole And Riluzole on Dna Methylation Profiles In The Rat Striatum And Prefrontal Cortex. European Neuropsychopharmacology, 2017, 27, S394.	0.3	0
93	Abstract 2119: Acquired nintedanib resistance in FGFR1-driven small cell but not non-small cell lung cancer is mediated by ABCB1. , 2016, , .		0