

# György Tibor Balogh

## List of Publications by Year in descending order

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89  
papers

1,466  
citations

361413

20  
h-index

377865

34  
g-index

92  
all docs

92  
docs citations

92  
times ranked

2231  
citing authors

#	ARTICLE	IF	CITATIONS
1	SkinPAMPA: A new method for fast prediction of skin penetration. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 698-707.	4.0	140
2	NanofiltrationEnabled InSitu Solvent and Reagent Recycle for Sustainable ContinuousFlow Synthesis. <i>ChemSusChem</i> , 2017, 10, 3435-3444.	6.8	77
3	Effect of different metal ions on the oxidative damage and antioxidant capacity of hyaluronic acid. <i>Archives of Biochemistry and Biophysics</i> , 2003, 410, 76-82.	3.0	69
4	Investigation and Mathematical Description of the Real Driving Force of Passive Transport of Drug Molecules from Supersaturated Solutions. <i>Molecular Pharmaceutics</i> , 2016, 13, 3816-3826.	4.6	62
5	In vitro dissolutionpermeation evaluation of an electrospun cyclodextrin-based formulation of aripiprazole using 1/4Flux,. <i>International Journal of Pharmaceutics</i> , 2015, 491, 180-189.	5.2	58
6	Applicability of a BloodBrain Barrier Specific Artificial Membrane Permeability Assay at the Early Stage of Natural Product-Based CNS Drug Discovery. <i>Journal of Natural Products</i> , 2013, 76, 655-663.	3.0	51
7	Comparative Evaluation of in Silico pK <sub>a</sub> Prediction Tools on the Gold Standard Dataset. <i>QSAR and Combinatorial Science</i> , 2009, 28, 1148-1155.	1.4	46
8	Synthesis and Proton Dissociation Properties of Arylphosphonates: A MicrowaveAssisted Catalytic Arbuzov Reaction with Aryl Bromides. <i>Heteroatom Chemistry</i> , 2012, 23, 574-582.	0.7	45
9	Endocytosis of fluorescent cyclodextrins by intestinal Caco-2 cells and its role in paclitaxel drug delivery. <i>International Journal of Pharmaceutics</i> , 2015, 496, 509-517.	5.2	43
10	Comparative evaluation of pKa prediction tools on a drug discovery dataset. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 67-68, 63-70.	2.8	38
11	First characterisation of flavonoid- and diarylheptanoid-type antioxidant phenolics in <i>Corylus maxima</i> by HPLC-DAD-ESI-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 107, 159-167.	2.8	37
12	Nitrone derivatives of trolox as neuroprotective agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3012-3015.	2.2	35
13	Tuning the predictive capacity of the PAMPA-BBB model. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 79, 53-60.	4.0	32
14	Development of Meloxicam-Human Serum Albumin Nanoparticles for Nose-to-Brain Delivery via Application of a Quality by Design Approach. <i>Pharmaceutics</i> , 2020, 12, 97.	4.5	31
15	Blood-brain barrier specific permeability assay reveals N -methylated tyramine derivatives in standardised leaf extracts and herbal products of <i>Ginkgo biloba</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 167-174.	2.8	27
16	Discovery and Preclinical Characterization of 3-((4-(4-Chlorophenyl)-7-fluoroquinoline-3-yl)sulfonyl)benzotrile, a Novel Non-acetylenic Metabotropic Glutamate Receptor 5 (mGluR5) Negative Allosteric Modulator for Psychiatric Indications. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2470-2484.	6.4	26
17	Antioxidant-Inspired Drug Discovery: Antitumor Metabolite Is Formed in Situ from a Hydroxycinnamic Acid Derivative upon Free-Radical Scavenging. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1657-1668.	6.4	25
18	BBB penetration-targeting physicochemical lead selection: Ecdysteroids as chemo-sensitizers against CNS tumors. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 571-577.	4.0	24

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19	Corneal-PAMPA: A novel, non-cell-based assay for prediction of corneal drug permeability. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 128, 232-239.	4.0	23
20	Three newly identified lipophilic flavonoids in <i>Tanacetum parthenium</i> supercritical fluid extract penetrating the Blood-Brain Barrier. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 488-493.	2.8	22
21	Development of dexamethasone-loaded mixed polymeric micelles for nasal delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 166, 105960.	4.0	21
22	Chemical Models of Cytochrome P450 Catalyzed Insecticide Metabolism. Application to the Oxidative Metabolism of Carbamate Insecticides. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 762-769.	5.2	20
23	Membrane-assisted catalysis in organic media. <i>Advanced Materials Letters</i> , 2017, 8, 1094-1124.	0.6	20
24	pH-gradient PAMPA-based in vitro model assay for drug-induced phospholipidosis in early stage of drug discovery. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 81-89.	4.0	19
25	Antioxidant activity-guided phytochemical investigation of <i>Artemisia gmelinii</i> Webb. ex Stechm.: Isolation and spectroscopic challenges of 3,5-O-dicaffeoyl (epi?) quinic acid and its ethyl ester. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 59, 83-89.	2.8	18
26	Palladium-catalyzed 2,2,2-trifluoroethoxylation of Aromatic and Heteroaromatic Chlorides Utilizing Borate Salt and the Synthesis of a Trifluoro Analogue of Sildenafil. <i>Chemistry - A European Journal</i> , 2017, 23, 15628-15632.	3.3	17
27	Preparation of pyridino-crown ether-based new chiral stationary phases and preliminary studies on their enantiomer separating ability for chiral protonated primary aralkylamines. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 415-427.	1.8	16
28	Preparation and Studies of Chiral Stationary Phases Containing Enantiopure Acridino-crown Ether Selectors. <i>Chirality</i> , 2014, 26, 651-654.	2.6	16
29	Studies of a pyridino-crown ether-based chiral stationary phase on the enantioseparation of biogenic chiral aralkylamines and l±-amino acid esters by high-performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 192-195.	2.8	16
30	C8-selective biomimetic transformation of 5,7-dihydroxylated flavonoids by an acid-catalysed phenolic Mannich reaction: Synthesis of flavonoid alkaloids with quercetin and (â€“)epicatechin skeletons. <i>Tetrahedron</i> , 2017, 73, 1503-1510.	1.9	15
31	Development of In Situ Gelling Meloxicam-Human Serum Albumin Nanoparticle Formulation for Nose-to-Brain Application. <i>Pharmaceutics</i> , 2021, 13, 646.	4.5	15
32	Metalloporphyrin catalysed biomimetic oxidation of aryl benzyl ethers. Implications for lignin peroxidase catalysis. <i>Tetrahedron</i> , 1999, 55, 4457-4466.	1.9	14
33	Use of reversed-phase liquid chromatography for determining the lipophilicity of l±-aryl-N-cyclopropyl nitrones. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 1057-1062.	2.8	14
34	Cyclic Phosphinates by the Alkylation of a Thermally Unstable 1-Hydroxy-1,2-Dihydrophosphinine 1-Oxide and A 3-Hydroxy-3-Phosphabicyclo[3.1.0]Hexane 3-Oxide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 357-363.	1.6	14
35	Development and Characterization of Potential Ocular Mucoadhesive Nano Lipid Carriers Using Full Factorial Design. <i>Pharmaceutics</i> , 2020, 12, 682.	4.5	14
36	Cytochrome P450 Catalyzed Nitric Oxide Synthesis: A Theoretical Study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 17, 759-767.	3.5	13

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37	Microwave-assisted alcoholysis of dialkyl phosphites by ethylene glycol and ethanolamine. <i>Pure and Applied Chemistry</i> , 2014, 86, 1723-1728.	1.9	12
38	An unexpected advantage of insectivore: insect moulting hormones ingested by song birds affect their ticks. <i>Scientific Reports</i> , 2016, 6, 23390.	3.3	12
39	Metalloporphyrin catalyzed oxidation of n-hydroxyguanidines: a biomimetic model for the H <sub>2</sub> O <sub>2</sub> -dependent activity of nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1775-1777.	2.2	11
40	Human Serum Albumin Binding in a Vial: A Novel UV-pH Titration Method To Assist Drug Design. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1763-1774.	6.4	11
41	Optimized Synthesis of Etidronate. <i>Letters in Drug Design and Discovery</i> , 2013, 10, 733-737.	0.7	10
42	Biomimetic synthesis and HPLC-ECD analysis of the isomers of dracocephins A and B. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2523-2534.	2.2	10
43	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.	3.0	10
44	Biomimetic Synthesis of Drug Metabolites in Batch and Continuous-Flow Reactors. <i>Chemistry - A European Journal</i> , 2018, 24, 9385-9392.	3.3	10
45	Liver-on-a-Chip-Magnetic Nanoparticle Bound Synthetic Metalloporphyrin-Catalyzed Biomimetic Oxidation of a Drug in a Magnechip Reactor. <i>Micromachines</i> , 2019, 10, 668.	2.9	10
46	Pharmacokinetics-Driven Evaluation of the Antioxidant Activity of Curcuminoids and Their Major Reduced Metabolites-A Medicinal Chemistry Approach. <i>Molecules</i> , 2021, 26, 3542.	3.8	10
47	Spray-dried indomethacin-loaded polymeric micelles for the improvement of intestinal drug release and permeability. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 174, 106200.	4.0	9
48	A Study on the Phosphorylation of Indole, Imidazole, Carbazole, and Phenothiazine Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 1091-1100.	1.6	8
49	Discovery of Novel Histamine H <sub>4</sub> and Serotonin Transporter Ligands Using the Topological Feature Tree Descriptor. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 233-242.	5.4	8
50	Proton dissociation properties of arylphosphonates: Determination of accurate Hammett equation parameters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 101-109.	2.8	8
51	Synthesis and p <i>K<sub>a</sub></i> determination of new enantiopure dimethyl-substituted acridino-crown ethers containing a carboxyl group: Useful candidates for enantiomeric recognition studies. <i>Chirality</i> , 2017, 29, 522-535.	2.6	8
52	A Study on the Reduction of 4-Chloro-1,2-Dihydrophosphinine Oxides by Transfer Hydrogenation. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 121-127.	1.6	7
53	A Novel Method for the Preparation of a Chiral Stationary Phase Containing an Enantiopure Acridino-18-Crown-6 Ether Selector. <i>Journal of Chromatographic Science</i> , 2015, 53, 431-435.	1.4	7
54	Synthesis and Fluorescence Spectroscopic Studies of Novel 9-phenylacridino-18-crown-6 Ether Type Sensor Molecules. <i>Periodica Polytechnica: Chemical Engineering</i> , 2017, 61, 249-257.	1.1	7

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55	AAPH or Peroxynitrite-Induced Biorelevant Oxidation of Methyl Caffate Yields a Potent Antitumor Metabolite. <i>Biomolecules</i> , 2020, 10, 1537.	4.0	7
56	Albumin-hyaluronic acid colloidal nanocarriers: Effect of human and bovine serum albumin for intestinal ibuprofen release enhancement. <i>Journal of Molecular Liquids</i> , 2022, 351, 118614.	4.9	7
57	Synthesis and enantioselective transport studies of optically active lipophilic proton-ionizable crown ethers containing a diarylphosphinic acid unit. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 650-656.	1.8	6
58	Application of flow chemistry to macrocyclization of crown ethers. <i>Journal of Flow Chemistry</i> , 2016, 6, 297-301.	1.9	6
59	On the complex $\text{OH}^{\ominus}/\text{O}^{\ominus}$ -induced free radical chemistry of arylalkylamines with special emphasis on the contribution of the alkylamine side chain. <i>Free Radical Research</i> , 2017, 51, 124-140.	3.3	6
60	Applicability evaluation of advanced processes for elimination of neurophysiological activity of antidepressant fluoxetine. <i>Chemosphere</i> , 2018, 193, 489-497.	8.2	6
61	Comparison of Cinchona Catalysts Containing Ethyl or Vinyl or Ethynyl Group at Their Quinuclidine Ring. <i>Materials</i> , 2019, 12, 3034.	2.9	6
62	Magnetic Nanoparticles with Dual Surface Functions – Efficient Carriers for Metalloporphyrin-Catalyzed Drug Metabolite Synthesis in Batch and Continuous-Flow Reactors. <i>Nanomaterials</i> , 2020, 10, 2329.	4.1	6
63	A corneal-PAMPA-based in silico model for predicting corneal permeability. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 203, 114218.	2.8	6
64	Regioselective synthesis, physicochemical properties and anticancer activity of 2-aminomethylated estrone derivatives. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2022, 219, 106064.	2.5	6
65	Topical analgesic, anti-inflammatory and antioxidant properties of <i>Oxybaphus nyctagineus</i> : Phytochemical characterization of active fractions. <i>Journal of Ethnopharmacology</i> , 2014, 155, 776-784.	4.1	5
66	Synthesis and cation binding of acridono-18-crown-6 ether type ligands. <i>Monatshefte für Chemie</i> , 2015, 146, 1291-1297.	1.8	5
67	HPLC-DPPH Screening Method for Evaluation of Antioxidant Compounds in <i>Corylus</i> Species. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	5
68	Synthesis and enantioselective transport studies of both enantiomers of new chiral proton-ionizable crown ethers containing a diarylphosphinic acid unit. <i>Tetrahedron</i> , 2019, 75, 1275-1281.	1.9	5
69	High-energy ionizing radiation-induced degradation of amodiaquine in dilute aqueous solution: radical reactions and kinetics. <i>Free Radical Research</i> , 2020, 54, 185-194.	3.3	5
70	Novel medium-throughput technique for investigating drug-cyclodextrin complexation by pH-metric titration using the partition coefficient method. <i>International Journal of Pharmaceutics</i> , 2018, 542, 100-107.	5.2	4
71	Identification of Nitric Oxide Donors by Biomimetic HTS Application. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2005, 8, 347-352.	1.1	3
72	Nanofibrous Formulation of Cyclodextrin Stabilized Lipases for Efficient Pancreatin Replacement Therapies. <i>Pharmaceutics</i> , 2021, 13, 972.	4.5	3

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73	Diversity-oriented synthesis through gamma radiolysis: Preparation of unusual ecdysteroid derivatives activating Akt and AMPK in skeletal muscle cells. <i>Bioorganic Chemistry</i> , 2021, 112, 104951.	4.1	3
74	Development of a microplate-format direct optode sensor for ultra-high-throughput environmental and wastewater monitoring of Pb <sup>2+</sup> . <i>Analytica Chimica Acta</i> , 2021, 1167, 338586.	5.4	3
75	Synthesis and determination of pKa values of new enantiopure pyridino- and piperidino-18-crown-6 ethers. <i>Arkivoc</i> , 2016, 2016, 130-151.	0.5	3
76	Analysis of the uncharted, druglike property space by self-organizing maps. <i>Molecular Diversity</i> , 2021, , 1.	3.9	3
77	LC Determination of Peroxynitrite Scavenging Activity of Phenols from <i>Salvia</i> spp.. <i>Chromatographia</i> , 2010, 71, 51-59.	1.3	2
78	Synthesis, experimental and theoretical studies on the factors influencing the pKa values of new crown ethers containing a diarylphosphinic acid unit. <i>Tetrahedron</i> , 2016, 72, 8593-8602.	1.9	2
79	Structural characterization of a sodium perchlorate-acridino-18-crown-6 ether complex. <i>Structural Chemistry</i> , 2018, 29, 113-118.	2.0	2
80	Synthesis, Fluorescence and NMR Spectroscopic Studies of a Novel Phosphinoxido-18-crown-6 Ether Containing an Anthracene Fluorophore Unit. <i>Periodica Polytechnica: Chemical Engineering</i> , 2019, 64, 37-45.	1.1	2
81	Cornea-PAMPA as an Orthogonal in Vitro Physicochemical Model of Corneal Permeability. <i>Periodica Polytechnica: Chemical Engineering</i> , 2020, 64, 384-390.	1.1	2
82	Synthesis, complex formation and corneal permeation of cyclodextrin-modified, thiolated poly(aspartic acid) as self-gelling formulation of dexamethasone. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 174, 1-9.	4.3	2
83	A model lacking relevant literature comparison. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 104, 47-48.	2.8	1
84	Physicochemical characterisation in drug discovery. <i>Drug Discovery Today: Technologies</i> , 2018, 27, 1-2.	4.0	1
85	Áj vizsgálati m <sup>3</sup> dszerek gy <sup>3</sup> gyszer-makromolekula k <sup>3</sup> cs <sup>3</sup> nhat <sup>3</sup> sok fizikai-k <sup>3</sup> miel jellemz <sup>3</sup> s <sup>3</sup> re. <i>Magyar Kémiai Folyóirat, Kémiai Közlemények</i> , 2021, 127, 21-30.	0,0	0
86	Akridon <sup>3</sup> s akridin egys <sup>3</sup> get tartalmaz <sup>3</sup> korona <sup>3</sup> ter alap <sup>3</sup> szenzor- <sup>3</sup> s szelektormolekul <sup>3</sup> k szint <sup>3</sup> zise, kation- <sup>3</sup> s enantiomerfelismer <sup>3</sup> se. <i>Magyar Kémiai Folyóirat, Kémiai Közlemények</i> , 2018, 124, 61-70.	0,0	0
87	In situ g <sup>3</sup> lesed <sup>3</sup> meloxik <sup>3</sup> m-hum <sup>3</sup> n sz <sup>3</sup> rum albumin nanor <sup>3</sup> szecske formul <sup>3</sup> ci <sup>3</sup> fejleszt <sup>3</sup> se nose-to-brain bevitel c <sup>3</sup> lj <sup>3</sup> b <sup>3</sup> l. , 2020, , .		0
88	Synthesis, Complex Formation and Corneal Permeation of Cyclodextrin-Modified, Thiolated Poly(Aspartic Acid) as Self-Gelling Formulation of Dexamethasone. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
89	Improving the bioavailability of favipiravir by using human serum albumin nanoparticles. , 2022, , .		0