

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	Improving the bioavailability of favipiravir by using human serum albumin nanoparticles. , 2022, , .		0
2	Albumin-hyaluronic acid colloidal nanocarriers: Effect of human and bovine serum albumin for intestinal ibuprofen release enhancement. Journal of Molecular Liquids, 2022, 351, 118614.	4.9	7
3	Regioselective synthesis, physicochemical properties and anticancer activity of 2-aminomethylated estrone derivatives. Journal of Steroid Biochemistry and Molecular Biology, 2022, 219, 106064.	2.5	6
4	Synthesis, complex formation and corneal permeation of cyclodextrin-modified, thiolated poly(aspartic acid) as self-gelling formulation of dexamethasone. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 174, 1-9.	4.3	2
5	Spray-dried indomethacin-loaded polymeric micelles for the improvement of intestinal drug release and permeability. European Journal of Pharmaceutical Sciences, 2022, 174, 106200.	4.0	9
6	sj vizsglati mdszerek gygszer-makromolekula klcshatsok fizikai-kmiai jellemzre. Magyar Kemiai Folyirat, Kemiai Kozlemenyek, 2021, 127, 21-30.	0.0	0
7	Development of In Situ Gelling Meloxicam-Human Serum Albumin Nanoparticle Formulation for Nose-to-Brain Application. Pharmaceutics, 2021, 13, 646.	4.5	15
8	Pharmacokinetics-Driven Evaluation of the Antioxidant Activity of Curcuminoids and Their Major Reduced MetabolitesA Medicinal Chemistry Approach. Molecules, 2021, 26, 3542.	3.8	10
9	Nanofibrous Formulation of Cyclodextrin Stabilized Lipases for Efficient Pancreatin Replacement Therapies. Pharmaceutics, 2021, 13, 972.	4.5	3
10	Diversity-oriented synthesis through gamma radiolysis: Preparation of unusual ecdysteroid derivatives activating Akt and AMPK in skeletal muscle cells. Bioorganic Chemistry, 2021, 112, 104951.	4.1	3
11	Development of a microplate-format direct optode sensor for ultra-high-throughput environmental and wastewater monitoring of Pb2+. Analytica Chimica Acta, 2021, 1167, 338586.	5.4	3
12	A corneal-PAMPA-based in silico model for predicting corneal permeability. Journal of Pharmaceutical and Biomedical Analysis, 2021, 203, 114218.	2.8	6
13	Development of dexamethasone-loaded mixed polymeric micelles for nasal delivery. European Journal of Pharmaceutical Sciences, 2021, 166, 105960.	4.0	21
14	Analysis of the uncharted, druglike property space by self-organizing maps. Molecular Diversity, 2021, , 1.	3.9	3
15	AAPH or Peroxynitrite-Induced Biorelevant Oxidation of Methyl Caffate Yields a Potent Antitumor Metabolite. Biomolecules, 2020, 10, 1537.	4.0	7
16	Magnetic Nanoparticles with Dual Surface FunctionsEfficient Carriers for Metalloporphyrin-Catalyzed Drug Metabolite Synthesis in Batch and Continuous-Flow Reactors. Nanomaterials, 2020, 10, 2329.	4.1	6
17	Development and Characterization of Potential Ocular Mucoadhesive Nano Lipid Carriers Using Full Factorial Design. Pharmaceutics, 2020, 12, 682.	4.5	14
18	Cornea-PAMPA as an Orthogonal in Vitro Physicochemical Model of Corneal Permeability. Periodica Polytechnica: Chemical Engineering, 2020, 64, 384-390.	1.1	2

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19	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
20	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
21	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
22	In situ g ^o lesed ^o meloxik ^o m-hum ^o n sz ^o rum albumin nanor ^o szecske formul ^o ci ^o fejleszt ^o se nose-to-brain bevitel c ^o lj ^o b ^o l. , 2020, , .		0
23	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
24	Liver-on-a-Chip ^o Magnetic Nanoparticle Bound Synthetic Metalloporphyrin-Catalyzed Biomimetic Oxidation of a Drug in a Magnechip Reactor. <i>Micromachines</i> , 2019, 10, 668.	2.9	10
25	Comparison of Cinchona Catalysts Containing Ethyl or Vinyl or Ethynyl Group at Their Quinuclidine Ring. <i>Materials</i> , 2019, 12, 3034.	2.9	6
26	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
27	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
28	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
29	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
30	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
31	Structural characterization of a sodium perchlorate ^o acridino-18-crown-6 ether complex. <i>Structural Chemistry</i> , 2018, 29, 113-118.	2.0	2
32	Applicability evaluation of advanced processes for elimination of neurophysiological activity of antidepressant fluoxetine. <i>Chemosphere</i> , 2018, 193, 489-497.	8.2	6
33	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
34	Biomimetic Synthesis of Drug Metabolites in Batch and Continuous ^o Flow Reactors. <i>Chemistry - A European Journal</i> , 2018, 24, 9385-9392.	3.3	10
35	Physicochemical characterisation in drug discovery. <i>Drug Discovery Today: Technologies</i> , 2018, 27, 1-2.	4.0	1
36	Akridon ^o s akridin egys ^o get tartalmaz ^o 3 korona ^o ter alap ^o szenzor- ^o s szelektormolekul ^o ik szint ^o zise, kation- ^o s enantiomerfelismer ^o se. <i>Magyar Kemiai Folyoirat, Kemiai Kozlemenyek</i> , 2018, 124, 61-70.	0.0	0

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37	C8-selective biomimetic transformation of 5,7-dihydroxylated flavonoids by an acid-catalysed phenolic Mannich reaction: Synthesis of flavonoid alkaloids with quercetin and (â€“)â€“)-epicatechin skeletons. <i>Tetrahedron</i> , 2017, 73, 1503-1510.	1.9	15
38	Discovery and Preclinical Characterization of 3-((4-(4-Chlorophenyl)-7-fluoroquinoline-3-yl)sulfonyl)benzonitrile, 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
39	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
40	On the complex ^{â€“}OH/^{â€“}O^{â€“}-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
41	Palladiumâ€Catalyzed 2,2,2â€“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
42	Nanofiltrationâ€Enabled Inâ€...Situ Solvent and Reagent Recycle for Sustainable Continuousâ€Flow Synthesis. <i>ChemSusChem</i> , 2017, 10, 3435-3444.	6.8	77
43	Synthesis and p<i>K</i>_a determination of new enantiopure dimethylâ€substituted acridinoâ€crown ethers containing a carboxyl group: Useful candidates for enantiomeric recognition studies. <i>Chirality</i> , 2017, 29, 522-535.	2.6	8
44	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
45	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
46	Membrane-assisted catalysis in organic media. <i>Advanced Materials Letters</i> , 2017, 8, 1094-1124.	0.6	20
47	Biomimetic synthesis and HPLCâ€ECD analysis of the isomers of dracocephins A and B. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2523-2534.	2.2	10
48	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
49	Application of flow chemistry to macrocyclization of crown ethers. <i>Journal of Flow Chemistry</i> , 2016, 6, 297-301.	1.9	6
50	An unexpected advantage of insectivorism: insect moulting hormones ingested by song birds affect their ticks. <i>Scientific Reports</i> , 2016, 6, 23390.	3.3	12
51	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
52	Blood-brain barrier specific permeability assay reveals N -methylated tyramine derivatives in standardised leaf extracts and herbal products of Ginkgo biloba. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 167-174.	2.8	27
53	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
54	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

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55	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
56	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
57	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
58	In vitro dissolution/permeation evaluation of an electrospun cyclodextrin-based formulation of aripiprazole using $\frac{1}{4}$ Flux \hat{a} , Φ . <i>International Journal of Pharmaceutics</i> , 2015, 491, 180-189.	5.2	58
59	Synthesis and cation binding of acridono-18-crown-6 ether type ligands. <i>Monatshefte F$\frac{1}{4}$r Chemie</i> , 2015, 146, 1291-1297.	1.8	5
60	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
61	Tuning the predictive capacity of the PAMPA-BBB model. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 79, 53-60.	4.0	32
62	A model lacking relevant literature comparison. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 104, 47-48.	2.8	1
63	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
64	Microwave-assisted alcoholysis of dialkyl phosphites by ethylene glycol and ethanolamine. <i>Pure and Applied Chemistry</i> , 2014, 86, 1723-1728.	1.9	12
65	Preparation and Studies of Chiral Stationary Phases Containing Enantiopure Acridino-18-Crown-6 Ether Selectors. <i>Chirality</i> , 2014, 26, 651-654.	2.6	16
66	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
67	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
68	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
69	Optimized Synthesis of Etidronate. <i>Letters in Drug Design and Discovery</i> , 2013, 10, 733-737.	0.7	10
70	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
71	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
72	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

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73	A Study on the Reduction of 4-Chloro-1,2-Dihydrophosphinine Oxides by Transfer Hydrogenation. Phosphorus, Sulfur and Silicon and the Related Elements, 2012, 187, 121-127.	1.6	7
74	Comparative evaluation of pKa prediction tools on a drug discovery dataset. Journal of Pharmaceutical and Biomedical Analysis, 2012, 67-68, 63-70.	2.8	38
75	Discovery of Novel Histamine H4 and Serotonin Transporter Ligands Using the Topological Feature Tree Descriptor. Journal of Chemical Information and Modeling, 2012, 52, 233-242.	5.4	8
76	Skinâ€PAMPA: A new method for fast prediction of skin penetration. European Journal of Pharmaceutical Sciences, 2012, 45, 698-707.	4.0	140
77	Antioxidant activity-guided phytochemical investigation of Artemisia gmelinii Webb. ex Stechm.: Isolation and spectroscopic challenges of 3,5-O-dicaffeoyl (epi?) quinic acid and its ethyl ester. Journal of Pharmaceutical and Biomedical Analysis, 2012, 59, 83-89.	2.8	18
78	Preparation of pyridino-crown ether-based new chiral stationary phases and preliminary studies on their enantiomer separating ability for chiral protonated primary aralkylamines. Tetrahedron: Asymmetry, 2012, 23, 415-427.	1.8	16
79	LC Determination of Peroxynitrite Scavenging Activity of Phenols from Salvia spp.. Chromatographia, 2010, 71, 51-59.	1.3	2
80	Comparative Evaluation of in Silico pK _a Prediction Tools on the Gold Standard Dataset. QSAR and Combinatorial Science, 2009, 28, 1148-1155.	1.4	46
81	Use of reversed-phase liquid chromatography for determining the lipophilicity of \pm -aryl-N-cyclopropyl nitrones. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 1057-1062.	2.8	14
82	Nitron derivatives of trolox as neuroprotective agents. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3012-3015.	2.2	35
83	Identification of Nitric Oxide Donors by Biomimetic HTS Application. Combinatorial Chemistry and High Throughput Screening, 2005, 8, 347-352.	1.1	3
84	Effect of different metal ions on the oxidative damage and antioxidant capacity of hyaluronic acid. Archives of Biochemistry and Biophysics, 2003, 410, 76-82.	3.0	69
85	Metalloporphyrin catalyzed oxidation of n-hydroxyguanidines: a biomimetic model for the H ₂ O ₂ -dependent activity of nitric oxide synthase. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1775-1777.	2.2	11
86	Cytochrome P450 Catalyzed Nitric Oxide Synthesis: A Theoretical Study. Journal of Biomolecular Structure and Dynamics, 2000, 17, 759-767.	3.5	13
87	Metalloporphyrin catalysed biomimetic oxidation of aryl benzyl ethers. Implications for lignin peroxidase catalysis. Tetrahedron, 1999, 55, 4457-4466.	1.9	14
88	Chemical Models of Cytochrome P450 Catalyzed Insecticide Metabolism. Application to the Oxidative Metabolism of Carbamate Insecticides. Journal of Agricultural and Food Chemistry, 1999, 47, 762-769.	5.2	20
89	Synthesis, Complex Formation and Corneal Permeation of Cyclodextrin-Modified, Thiolated Poly(Aspartic Acid) as Self-Gelling Formulation of Dexamethasone. SSRN Electronic Journal, 0, , .	0.4	0