

# Krisztina Takács-Novák

## List of Publications by Year in descending order

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60  
papers

2,885  
citations

236612

25  
h-index

168136

53  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of equilibrium solubility measurement by saturation shake-flask method using hydrochlorothiazide as model compound. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 335-341.	1.4	352
2	Protonation Equilibria of Quinolone Antibacterials. <i>Journal of Pharmaceutical Sciences</i> , 1990, 79, 1023-1028.	1.6	203
3	Lipophilicity of antibacterial fluoroquinolones. <i>International Journal of Pharmaceutics</i> , 1992, 79, 89-96.	2.6	168
4	Potentiometric pKa determination of water-insoluble compounds: validation study in methanol/water mixtures. <i>International Journal of Pharmaceutics</i> , 1997, 151, 235-248.	2.6	155
5	Multi-wavelength spectrophotometric determination of acid dissociation constants: a validation study. <i>Analytica Chimica Acta</i> , 2001, 434, 157-167.	2.6	152
6	Potentiometric and spectrophotometric pKa determination of water-insoluble compounds: Validation study in a new cosolvent system. <i>Analytica Chimica Acta</i> , 2007, 583, 418-428.	2.6	141
7	Skinâ€PAMPA: A new method for fast prediction of skin penetration. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 698-707.	1.9	140
8	On the Partition of Ampholytes: Application to Bloodâ€Brain Distribution. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 310-315.	1.6	128
9	Study of pH-dependent solubility of organic bases. Revisit of Henderson-Hasselbalch relationship. <i>Analytica Chimica Acta</i> , 2010, 673, 40-46.	2.6	100
10	Correlations between Cytotoxicity and Topography of Some 2-Arylidenebenzocycloalkanones Determined by X-ray Crystallography. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3103-3111.	2.9	89
11	Equilibrium versus kinetic measurements of aqueous solubility, and the ability of compounds to supersaturate in solutionâ€a validation study. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1298-1307.	1.6	86
12	Determination of protonation macro- and microconstants and octanol/water partition coefficient of the antiinflammatory drug niflumic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994, 12, 1369-1377.	1.4	82
13	Multiwavelength spectrophotometric determination of acid dissociation constants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 21, 1171-1182.	1.4	80
14	Equilibrium solubility measurement of ionizable drugs â€ consensus recommendations for improving data quality. <i>ADMET and DMPK</i> , 2016, 4, 117.	1.1	78
15	Lipophilicity of amphoteric molecules expressed by the true partition coefficient. <i>International Journal of Pharmaceutics</i> , 1995, 113, 47-55.	2.6	76
16	Theoretical Conformational Analysis for Neurotransmitters in the Gas Phase and in Aqueous Solution. Norepinephrine. <i>Journal of the American Chemical Society</i> , 2003, 125, 2770-2785.	6.6	58
17	Ion-pair partition of quaternary ammonium drugs: the influence of counter ions of different lipophilicity, size, and flexibility. <i>Pharmaceutical Research</i> , 1999, 16, 1633-1638.	1.7	57
18	Microscopic Protonation/Deprotonation Equilibria of the Anti-Inflammatory Agent Piroxicam. <i>Helvetica Chimica Acta</i> , 1995, 78, 553-562.	1.0	46

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19	Theoretical and Experimental Studies of the Zwitterion ↔ Neutral Form Equilibrium of Ampholytes in Pure Solvents and Mixtures. <i>Journal of the American Chemical Society</i> , 1997, 119, 4999-5006.	6.6	45
20	Tautomeric and conformational equilibria of biologically important (hydroxyphenyl)alkylamines in the gas phase and in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2838-2848.	1.3	45
21	Biorelevant solubility of poorly soluble drugs: Rivaroxaban, furosemide, papaverine and niflumic acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 83, 279-285.	1.4	42
22	A PAMPA Study of the Permeability-Enhancing Effect of New Ceramide Analogues. <i>Chemistry and Biodiversity</i> , 2009, 6, 1867-1874.	1.0	33
23	Predicting the exposure and antibacterial activity of fluoroquinolones based on physicochemical properties. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 21-27.	1.9	31
24	Theoretical and Experimental Study on Ion-Pair Formation and Partitioning of Organic Salts in Octanol/Water and Dichloromethane/Water Systems. <i>Journal of the American Chemical Society</i> , 2000, 122, 6583-6593.	6.6	29
25	Investigation of the Efficacy of Transdermal Penetration Enhancers Through the Use of Human Skin and a Skin Mimic Artificial Membrane. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1134-1140.	1.6	28
26	Prediction of Bioequivalence and Food Effect Using Flux- and Solubility-Based Methods. <i>Molecular Pharmaceutics</i> , 2019, 16, 4121-4130.	2.3	26
27	Imidazo[1,2-c]quinazolines with lipid peroxidation inhibitory effect. <i>European Journal of Medicinal Chemistry</i> , 1998, 33, 181-187.	2.6	25
28	Synthesis and Biological Characterization of 1-Methyl-1,2,5,6-tetrahydropyridyl-1,2,5-thiadiazole Derivatives as Muscarinic Agonists for the Treatment of Neurological Disorders. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4273-4286.	2.9	25
29	Monte Carlo Structure Simulations for Aqueous 1,4-Dioxane Solutions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2085-2094.	1.2	25
30	Permeability test for transdermal and local therapeutic patches using Skin PAMPA method. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 165-172.	1.9	24
31	Physicochemical Properties of a New Multicomponent Cosolvent System for the Determination of Poorly Soluble Pharmaceutical Compounds. <i>Helvetica Chimica Acta</i> , 2007, 90, 1538-1553.	1.0	21
32	Salt Solubility Products of Diprenorphine Hydrochloride, Codeine and Lidocaine Hydrochlorides and Phosphates – Novel Method of Data Analysis Not Dependent on Explicit Solubility Equations. <i>ADMET and DMPK</i> , 2013, 1, .	1.1	21
33	PAMPA study of the temperature effect on permeability. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 53, 45-49.	1.9	20
34	Effect of solubility enhancement on nasal absorption of meloxicam. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 95, 96-102.	1.9	19
35	Tautomeric and conformational equilibria of tyramine and dopamine in aqueous solution. <i>Molecular Physics</i> , 2005, 103, 1589-1601.	0.8	17
36	Equilibrium solubility measurement of compounds with low dissolution rate by Higuchi's Facilitated Dissolution Method. A validation study. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 133-141.	1.9	16

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37	Characterization of potential NMDA and cholecystokinin antagonists. International Journal of Pharmaceutics, 1999, 180, 13-22.	2.6	15
38	Acid-base Properties of Terbutaline in Terms of Protonation Macro- and Microconstants. Journal of Pharmacy and Pharmacology, 2011, 47, 431-435.	1.2	14
39	RPTLC determination of logPof structurally diverse neutral compounds. Journal of Planar Chromatography - Modern TLC, 2008, 21, 143-149.	0.6	13
40	Effect of Formulation Additives on Drug Transport through Size-Exclusion Membranes. Molecular Pharmaceutics, 2018, 15, 3308-3317.	2.3	13
41	Right filter-selection for phase separation in equilibrium solubility measurement. European Journal of Pharmaceutical Sciences, 2018, 123, 98-105.	1.9	13
42	Lipophilicity of Aminopyridazinone Regioisomers. Journal of Agricultural and Food Chemistry, 2003, 51, 5262-5270.	2.4	11
43	In-Solution and On-Plate Light-Catalyzed E/Z Isomerization of Cyclic Chalcone Analogues. Lipophilicity of E- and Z-2-(X-Benzylidene)-1-Benzosuberones. Journal of Chromatographic Science, 2005, 43, 289-295.	0.7	11
44	Use of RP-TLC for determination of logPof isomeric chalcones and cyclic chalcone analogues. Journal of Planar Chromatography - Modern TLC, 2006, 19, 124-128.	0.6	11
45	Synthesis and Characterization of Long-Chain Tartaric Acid Diamides as Novel Ceramide-Like Compounds. Molecules, 2010, 15, 824-833.	1.7	11
46	Physico-chemical characterization of a novel group of dopamine D3/D2 receptor ligands, potential atypical antipsychotic agents. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 678-684.	1.4	9
47	Comparison of structure, logP and P388 cytotoxicity of some phenyl and ferrocenyl cyclic chalcone analogues. Application of RP-TLC for logP determination of the ferrocenyl analogues. Open Chemistry, 2012, 10, 1500-1505.	1.0	9
48	Alkalimetry in alcohol-water mixtures with potentiometric end-point detection. Analytica Chimica Acta, 2004, 507, 275-280.	2.6	8
49	Skin PAMPA: Application in practice. ADMET and DMPK, 2015, 2, .	1.1	8
50	Revisit of solubility of oxytetracycline polymorphs. An old story in the light of new results. European Journal of Pharmaceutical Sciences, 2020, 149, 105328.	1.9	8
51	Characterization of potential NMDA and cholecystokinin antagonists I. Acid-base properties of 2-methyl-4-oxo-3H-quinazoline-3-alkyl-carboxylic acids at the molecular and submolecular levels. International Journal of Pharmaceutics, 1999, 180, 1-11.	2.6	7
52	Theoretical and Experimental Studies on Partitions of $\hat{1}^3$ -Substituted Butyric Acids in Chloroform/Water and Dichloromethane/Water Systems. Journal of Physical Chemistry B, 2001, 105, 5772-5781.	1.2	7
53	Towards more accurate solubility measurements with real time monitoring: a carvedilol case study. New Journal of Chemistry, 2021, 45, 11618-11625.	1.4	7
54	Synthesis and characterization of amino acid substituted sunitinib analogues for the treatment of AML. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2391-2398.	1.0	6

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55	Lipophilicity of regioisomers: a case study on 3(2H)-pyridazinones. Computational and Theoretical Chemistry, 2002, 578, 89-91.	1.5	5
56	Use of an In Vitro Skin Parallel Artificial Membrane Assay (Skin-PAMPA) as a Screening Tool to Compare Transdermal Permeability of Model Compound 4-Phenylethyl-Resorcinol Dissolved in Different Solvents. Pharmaceutics, 2021, 13, 1758.	2.0	5
57	HPLC STUDY ON ION-PAIRING ABILITY OF DEOXYCHOLIC ACID EPIMERS. Journal of Liquid Chromatography and Related Technologies, 2001, 24, 173-185.	0.5	4
58	In vitro and in silico evaluation of Ononis isoflavonoids as molecules targeting the central nervous system. PLoS ONE, 2022, 17, e0265639.	1.1	4
59	Flux-Based Formulation Development – A Proof of Concept Study. AAPS Journal, 2022, 24, 22.	2.2	3
60	Related Topic: Use of PAMPA and Artificial Membranes. , 2017, , 391-397.		0