

# Krisztina Takács-Novák

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Flux-Based Formulation Development – A Proof of Concept Study. AAPS Journal, 2022, 24, 22.   | 2.2 | 3         |
| 2  | In vitro and in silico evaluation of Ononis isoflavonoids as molecules targeting the central nervous system. PLoS ONE, 2022, 17, e0265639.   | 1.1 | 4         |
| 3  | Towards more accurate solubility measurements with real time monitoring: a carvedilol case study. New Journal of Chemistry, 2021, 45, 11618-11625.   | 1.4 | 7         |
| 4  | 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         |
| 5  | 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         |
| 6  | Prediction of Bioequivalence and Food Effect Using Flux- and Solubility-Based Methods. Molecular Pharmaceutics, 2019, 16, 4121-4130.   | 2.3 | 26        |
| 7  | Effect of Formulation Additives on Drug Transport through Size-Exclusion Membranes. Molecular Pharmaceutics, 2018, 15, 3308-3317.  | 2.3 | 13        |
| 8  | Right filter-selection for phase separation in equilibrium solubility measurement. European Journal of Pharmaceutical Sciences, 2018, 123, 98-105.   | 1.9 | 13        |
| 9  | 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         |
| 10 | Equilibrium solubility measurement of compounds with low dissolution rate by Higuchi's Facilitated Dissolution Method. A validation study. European Journal of Pharmaceutical Sciences, 2017, 106, 133-141.                                | 1.9 | 16        |
| 11 | Related Topic: Use of PAMPA and Artificial Membranes. , 2017, , 391-397.   |     | 0         |
| 12 | Equilibrium solubility measurement of ionizable drugs – consensus recommendations for improving data quality. ADMET and DMPK, 2016, 4, 117.  | 1.1 | 78        |
| 13 | Effect of solubility enhancement on nasal absorption of meloxicam. European Journal of Pharmaceutical Sciences, 2016, 95, 96-102.  | 1.9 | 19        |
| 14 | Investigation of the Efficacy of Transdermal Penetration Enhancers Through the Use of Human Skin and a Skin Mimic Artificial Membrane. Journal of Pharmaceutical Sciences, 2016, 105, 1134-1140.   | 1.6 | 28        |
| 15 | Skin PAMPA: Application in practice. ADMET and DMPK, 2015, 2, .  | 1.1 | 8         |
| 16 | Permeability test for transdermal and local therapeutic patches using Skin PAMPA method. European Journal of Pharmaceutical Sciences, 2015, 76, 165-172.   | 1.9 | 24        |
| 17 | PAMPA study of the temperature effect on permeability. European Journal of Pharmaceutical Sciences, 2014, 53, 45-49.   | 1.9 | 20        |
| 18 | Biorelevant solubility of poorly soluble drugs: Rivaroxaban, furosemide, papaverine and niflumic acid. Journal of Pharmaceutical and Biomedical Analysis, 2013, 83, 279-285.   | 1.4 | 42        |

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|----|---|-----|-----------|
| 19 | Salt Solubility Products of Diprenorphine Hydrochloride, Codeine and Lidocaine Hydrochlorides and Phosphates – Novel Method of Data Analysis Not Dependent on Explicit Solubility Equations. ADMET and DMPK, 2013, 1, .     | 1.1 | 21        |
| 20 | Skin – PAMPA: A new method for fast prediction of skin penetration. European Journal of Pharmaceutical Sciences, 2012, 45, 698-707.   | 1.9 | 140       |
| 21 | Predicting the exposure and antibacterial activity of fluoroquinolones based on physicochemical properties. European Journal of Pharmaceutical Sciences, 2012, 47, 21-27.   | 1.9 | 31        |
| 22 | 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         |
| 23 | Acid-base Properties of Terbutaline in Terms of Protonation Macro- and Microconstants. Journal of Pharmacy and Pharmacology, 2011, 47, 431-435.   | 1.2 | 14        |
| 24 | Synthesis and Characterization of Long-Chain Tartaric Acid Diamides as Novel Ceramide-Like Compounds. Molecules, 2010, 15, 824-833.   | 1.7 | 11        |
| 25 | Study of pH-dependent solubility of organic bases. Revisit of Henderson-Hasselbalch relationship. Analytica Chimica Acta, 2010, 673, 40-46.   | 2.6 | 100       |
| 26 | A PAMPA Study of the Permeability-Enhancing Effect of New Ceramide Analogues. Chemistry and Biodiversity, 2009, 6, 1867-1874.   | 1.0 | 33        |
| 27 | Study of equilibrium solubility measurement by saturation shake-flask method using hydrochlorothiazide as model compound. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 335-341.                             | 1.4 | 352       |
| 28 | 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         |
| 29 | Monte Carlo Structure Simulations for Aqueous 1,4-Dioxane Solutions. Journal of Physical Chemistry B, 2008, 112, 2085-2094.   | 1.2 | 25        |
| 30 | RPTLC determination of logP of structurally diverse neutral compounds. Journal of Planar Chromatography - Modern TLC, 2008, 21, 143-149.  | 0.6 | 13        |
| 31 | Physicochemical Properties of a New Multicomponent Cosolvent System for the Determination of Poorly Soluble Pharmaceutical Compounds. Helvetica Chimica Acta, 2007, 90, 1538-1553.  | 1.0 | 21        |
| 32 | Potentiometric and spectrophotometric pKa determination of water-insoluble compounds: Validation study in a new cosolvent system. Analytica Chimica Acta, 2007, 583, 418-428.   | 2.6 | 141       |
| 33 | Use of RP-TLC for determination of logP of isomeric chalcones and cyclic chalcone analogues. Journal of Planar Chromatography - Modern TLC, 2006, 19, 124-128.  | 0.6 | 11        |
| 34 | Equilibrium versus kinetic measurements of aqueous solubility, and the ability of compounds to supersaturate in solution – a validation study. Journal of Pharmaceutical Sciences, 2006, 95, 1298-1307.                     | 1.6 | 86        |
| 35 | Tautomeric and conformational equilibria of tyramine and dopamine in aqueous solution. Molecular Physics, 2005, 103, 1589-1601.   | 0.8 | 17        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | Alkalimetry in alcohol-water mixtures with potentiometric end-point detection. <i>Analytica Chimica Acta</i> , 2004, 507, 275-280.  | 2.6 | 8         |
| 38 | 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        |
| 39 | Lipophilicity of Aminopyridazinone Regioisomers. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 5262-5270.   | 2.4 | 11        |
| 40 | 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        |
| 41 | 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        |
| 42 | 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        |
| 43 | Lipophilicity of regioisomers: a case study on 3(2H)-pyridazinones. <i>Computational and Theoretical Chemistry</i> , 2002, 578, 89-91.  | 1.5 | 5         |
| 44 | HPLC STUDY ON ION-PAIRING ABILITY OF DEOXYCHOLIC ACID EPIMERS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 173-185.  | 0.5 | 4         |
| 45 | Theoretical and Experimental Studies on Partitions of $\beta^3$ -Substituted Butyric Acids in Chloroform/Water and Dichloromethane/Water Systems. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5772-5781.  | 1.2 | 7         |
| 46 | Multi-wavelength spectrophotometric determination of acid dissociation constants: a validation study. <i>Analytica Chimica Acta</i> , 2001, 434, 157-167.   | 2.6 | 152       |
| 47 | Multiwavelength spectrophotometric determination of acid dissociation constants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 21, 1171-1182.  | 1.4 | 80        |
| 48 | 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        |
| 49 | Characterization of potential NMDA and cholecystokinin antagonists. <i>International Journal of Pharmaceutics</i> , 1999, 180, 13-22.   | 2.6 | 15        |
| 50 | 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. <i>International Journal of Pharmaceutics</i> , 1999, 180, 1-11. | 2.6 | 7         |
| 51 | 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        |
| 52 | Imidazo[1,2-c]quinazolines with lipid peroxidation inhibitory effect. <i>European Journal of Medicinal Chemistry</i> , 1998, 33, 181-187.   | 2.6 | 25        |
| 53 | Theoretical and Experimental Studies of the Zwitterion $\rightleftharpoons$ 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        |
| 54 | On the Partition of Ampholytes: Application to Blood-Brain Distribution. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 310-315.   | 1.6 | 128       |

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|----|--|-----|-----------|
| 55 | 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       |
| 56 | Microscopic Protonation/Deprotonation Equilibria of the Anti-Inflammatory Agent Piroxicam. <i>Helvetica Chimica Acta</i> , 1995, 78, 553-562.  | 1.0 | 46        |
| 57 | Lipophilicity of amphoteric molecules expressed by the true partition coefficient. <i>International Journal of Pharmaceutics</i> , 1995, 113, 47-55.   | 2.6 | 76        |
| 58 | 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        |
| 59 | Lipophilicity of antibacterial fluoroquinolones. <i>International Journal of Pharmaceutics</i> , 1992, 79, 89-96.  | 2.6 | 168       |
| 60 | Protonation Equilibria of Quinolone Antibacterials. <i>Journal of Pharmaceutical Sciences</i> , 1990, 79, 1023-1028.   | 1.6 | 203       |