

Tomáš Pekárek

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

271
citations

1039880

9
h-index

1058333

14
g-index

37
all docs

37
docs citations

37
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification, characterization, synthesis and HPLC quantification of new process-related impurities and degradation products in retigabine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 94, 71-76.	1.4	24
2	Methods for the preparation of amorphous solid dispersions – A comparative study. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 38, 125-134.	1.4	23
3	The Combined Use of Imaging Approaches to Assess Drug Release from Multicomponent Solid Dispersions. <i>Pharmaceutical Research</i> , 2017, 34, 990-1001.	1.7	23
4	Thermodynamic Dissociation Constants of Alendronate and Ibandronate by Regression Analysis of Potentiometric Data. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3848-3854.	1.0	14
5	The dissociation constants of the cytostatic bosutinib by nonlinear least-squares regression of multiwavelength spectrophotometric and potentiometric pH-titration data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 158-167.	1.4	13
6	An Improved Synthesis of Elvitegravir. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1738-1749.	1.4	12
7	The Study of Naphthoquinones and Their Complexes with DNA by Using Raman Spectroscopy and Surface Enhanced Raman Spectroscopy: New Insight into Interactions of DNA with Plant Secondary Metabolites. <i>BioMed Research International</i> , 2014, 2014, 1-12.	0.9	11
8	New approach of validation using internal normalization technique for quantification of related substances in raw material, intermediates and pharmaceutical substances by HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 133-138.	1.4	10
9	The influence of different acquisition settings and the focus adjustment on Raman spectral maps of pharmaceutical tablets. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 386-394.	1.4	10
10	New designed special cells for Raman mapping of the disintegration process of pharmaceutical tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 168, 113-123.	1.4	10
11	Application of reverse engineering in the field of pharmaceutical tablets using Raman mapping and chemometrics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 209, 114496.	1.4	10
12	Thermodynamic dissociation constants of risedronate using spectrophotometric and potentiometric pH-titration. <i>Open Chemistry</i> , 2012, 10, 338-353.	1.0	9
13	Identification, preparation and UHPLC determination of process-related impurity in zolmitriptan. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 58, 1-6.	1.4	9
14	Amorphous Enzalutamide – Non-isothermal recrystallization kinetics and thermal stability. <i>Thermochimica Acta</i> , 2018, 665, 134-141.	1.2	9
15	Method of UV-Metric and pH-Metric Determination of Dissociation Constants of Ionizable Drugs: Valsartan. <i>Journal of Solution Chemistry</i> , 2019, 48, 1266-1286.	0.6	9
16	Crystallization Products of Risedronate with Carbohydrates and Their Substituted Derivatives. <i>Molecules</i> , 2011, 16, 3740-3760.	1.7	8
17	Preparation and Properties of New Co-Crystals of Ibandronate with Gluco- or Galactopyranoside Derivatives. <i>Molecules</i> , 2010, 15, 8973-8987.	1.7	7
18	Overlapping pK _a of the Multiprotic Hemostyptic Eltrombopag using UV-Vis Multiwavelength Spectroscopy and Potentiometry. <i>Journal of Solution Chemistry</i> , 2017, 46, 2014-2037.	0.6	7

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19	Determination of acid dissociation constants, enthalpy, entropy and Gibbs free energy of the baricitinib by the UV-metric and pH-metric analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113532.	1.4	7
20	Synthesis and Characterization of New 3-(4-Arylpiperazin-1-yl)-2-hydroxypropyl 4-Propoxybenzoates and Their Hydrochloride Salts. <i>Molecules</i> , 2016, 21, 707.	1.7	6
21	Synthesis, Characterization and Physico-chemical Properties of New 2-(4- Arylpiperazin-1-yl)propanoates and Their Hydrochloride Salts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 13, 965-975.	0.9	6
22	The Overlapping Thermodynamic Dissociation Constants of the Antidepressant Vortioxetine Using UV-VIS Multiwavelength pH-Titration Data. <i>Journal of Solution Chemistry</i> , 2018, 47, 806-826.	0.6	5
23	Synthesis of 2-(4-Isopropylthiazol-2-yl)-7-methoxy-8-methylquinolin-4-ol; A Quinoline Building Block for Simeprevir Synthesis. <i>Synthesis</i> , 2014, 46, 899-908.	1.2	4
24	A novel approach for HPLC determination of 2-cyanoacetamide using derivatization procedure with 2-hydroxyacetophenone as a new useful derivatization reagent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 391-397.	1.4	4
25	Multiwavelength UV-metric and pH-metric determination of the multiple dissociation constants of the lesinurad. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 158, 236-246.	1.4	4
26	Comparison of genuine, generic and counterfeit Cialis tablets using vibrational spectroscopy and statistical methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114383.	1.4	4
27	Synthesis of some impurities and/or degradation products of zaleplon. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 276-283.	1.4	3
28	Thermodynamic protonation constants of vardenafil by the nonlinear regression of multiwavelength pH-spectrophotometric titration data. <i>Open Chemistry</i> , 2013, 11, 271-279.	1.0	2
29	Multiple dissociation constants of the Intepirdine hydrochloride using regression of multiwavelength spectrophotometric pH-titration data. <i>Journal of Molecular Liquids</i> , 2018, 261, 480-491.	2.3	2
30	Multiwavelength UV-metric and pH-metric determination of the dissociation constants of the hypoxia-inducible factor prolyl hydroxylase inhibitor Roxadustat. <i>Journal of Molecular Liquids</i> , 2018, 268, 386-402.	2.3	2
31	Oligomers-model building in protonation equilibria of sitagliptin. <i>Open Chemistry</i> , 2013, 11, 1799-1807.	1.0	1
32	Reliability of protonation constants of vildagliptin dimers by the regression analysis of pH-titration data. <i>Open Chemistry</i> , 2013, 11, 1101-1111.	1.0	1
33	A Search for the Protonation Model with Thermodynamic Dissociation Constants and (Extra)-Thermodynamics of Nilotinib Hydrochloride (TASIGNA). <i>Journal of Solution Chemistry</i> , 2019, 48, 702-731.	0.6	1
34	Acid Dissociation Constants, Enthalpy, Entropy and Gibbs Energy of Bedaquiline by UV-Metric Spectral and pH-Metric Analysis. <i>Journal of Solution Chemistry</i> , 2021, 50, 315-339.	0.6	1
35	Synthesis, Physico-Chemical Properties and DFT Calculations of New 2-(4- Arylpiperazin-1-yl)propanoates and Their Hydrochloride Salts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 15, 1081-1096.	0.9	0
36	Dissociation Enthalpies and Thermodynamic Constants of Sildenafil Citrate by the Regression of Multiwavelength pH-spectrophotometric Titration Data. <i>Journal of Solution Chemistry</i> , 2012, 41, 2123-2137.	0.6	0