

Toms Pekrek

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

175
citations

7
h-index

11
g-index

37
ext. papers

220
ext. citations

3
avg, IF

2.92
L-index

#	Paper	IF	Citations
36	Application of reverse engineering in the field of pharmaceutical tablets using Raman mapping and chemometrics.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 209, 114496	3.5	4
35	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	1.8	
34	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	3.5	1
33	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	3.5	1
32	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	1.8	5
31	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	1.8	0
30	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	3.5	6
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 ⁶		2
28	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	6	
27	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	4.5	6
26	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	3.5	3
25	The Overlapping Thermodynamic Dissociation Constants of the Antidepressant Vortioxetine Using UVVIS Multiwavelength pH-Titration Data. <i>Journal of Solution Chemistry</i> , 2018 , 47, 806-826	1.8	3
24	Amorphous Enzalutamide [Non-isothermal recrystallization kinetics and thermal stability. <i>Thermochimica Acta</i> , 2018 , 665, 134-141	2.9	5
23	Methods for the preparation of amorphous solid dispersions [A comparative study. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 38, 125-134	4.5	7
22	Overlapping pK a of the Multiprotic Hemostyptic Eltrombopag using UVVis Multiwavelength Spectroscopy and Potentiometry. <i>Journal of Solution Chemistry</i> , 2017 , 46, 2014-2037	1.8	7
21	The Combined Use of Imaging Approaches to Assess Drug Release from Multicomponent Solid Dispersions. <i>Pharmaceutical Research</i> , 2017 , 34, 990-1001	4.5	18
20	A novel approach for HPLC determination of 2-cynaoacetamide using derivatization procedure with 2-hydroxyacetophenone as a new useful derivatization reagent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 128, 391-397	3.5	1

19	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, 158-67	3.5	12
18	Synthesis and Characterization of New 3-(4-Arylpiperazin-1-yl)-2-hydroxypropyl 4-Propoxybenzoates and Their Hydrochloride Salts. <i>Molecules</i> , 2016 , 21,	4.8	5
17	An Improved Synthesis of Elvitegravir. <i>Journal of Heterocyclic Chemistry</i> , 2016 , 53, 1738-1749	1.9	7
16	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, 133-8	3.5	8
15	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, 71-6	3.5	21
14	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, 461393	3	6
13	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	2.9	2
12	Oligomers-model building in protonation equilibria of sitagliptin. <i>Open Chemistry</i> , 2013 , 11, 1799-1807	1.6	1
11	Thermodynamic protonation constants of vardenafil by the nonlinear regression of multiwavelength pH-spectrophotometric titration data. <i>Open Chemistry</i> , 2013 , 11, 271-279	1.6	1
10	Reliability of protonation constants of vildagliptin dimers by the regression analysis of pH-titration data. <i>Open Chemistry</i> , 2013 , 11, 1101-1111	1.6	1
9	Identification, preparation and UHPLC determination of process-related impurity in zolmitriptan. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 58, 1-6	3.5	7
8	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	1.8	1
7	Thermodynamic dissociation constants of risedronate using spectrophotometric and potentiometric pH-titration. <i>Open Chemistry</i> , 2012 , 10, 338-353	1.6	7
6	Thermodynamic Dissociation Constants of Alendronate and Ibandronate by Regression Analysis of Potentiometric Data. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3848-3854	2.8	10
5	Crystallization products of risedronate with carbohydrates and their substituted derivatives. <i>Molecules</i> , 2011 , 16, 3740-60	4.8	6
4	Synthesis, Physico-Chemical Properties and DFT Calculations of New 2-(4-Arylpiperazine-1-yl)-1-(3-ethylbenzofuran-2-yl)ethanols As Potential Antihypertensive Agents. <i>Current Organic Chemistry</i> , 2011 , 15, 1081-1096	1.7	
3	Preparation and properties of new co-crystals of ibandronate with gluco- or galactopyranoside derivatives. <i>Molecules</i> , 2010 , 15, 8973-87	4.8	6
2	Synthesis of some impurities and/or degradation products of zaleplon. <i>Journal of Heterocyclic Chemistry</i> , 2010 , 47, NA-NA	1.9	1

- 1 Synthesis, Characterization and Physico-chemical Properties of New 2-(4-Arylpiperazine-1-yl)-1-(3-methylbenzofuran-2-yl)ethanols as Potential Antihypertensive Agents. *Current Organic Chemistry*, **2009**, 13, 965-975 1.7 5