

Robert Skibiński

List of Publications by Year in descending order

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107
papers

924
citations

623188

14
h-index

610482

24
g-index

108
all docs

108
docs citations

108
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on photodegradation process of psychotropic drugs: a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1152-1199.	2.7	93
2	Revisiting thin-layer chromatography as a lipophilicity determination tool – A comparative study on several techniques with a model solute set. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 911-918.	1.4	86
3	Rapid degradation of clozapine by heterogeneous photocatalysis. Comparison with direct photolysis, kinetics, identification of transformation products and scavenger study. <i>Science of the Total Environment</i> , 2019, 665, 557-567.	3.9	33
4	Synthesis, biological evaluation and molecular modeling of new tetrahydroacridine derivatives as potential multifunctional agents for the treatment of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5610-5618.	1.4	26
5	Identification of photodegradation product of amisulpride by ultra-high-pressure liquid chromatography – DAD/ESI-quadrupole time-of-flight-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 904-910.	1.4	22
6	Tetrahydroacridine derivatives with dichloronicotinic acid moiety as attractive, multipotent agents for Alzheimer's disease treatment. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 760-769.	2.6	21
7	Salting-out chromatography – a practical review. <i>Acta Chromatographica</i> , 2011, 23, 191-203.	0.7	20
8	New tacrine-acridine hybrids as promising multifunctional drugs for potential treatment of Alzheimer's disease. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800050.	2.1	19
9	Comparative validation of amisulpride determination in pharmaceuticals by several chromatographic, electrophoretic and spectrophotometric methods. <i>Analytica Chimica Acta</i> , 2007, 590, 195-202.	2.6	17
10	Tetrahydroacridine derivatives with fluorobenzoic acid moiety as multifunctional agents for Alzheimer's disease treatment. <i>Bioorganic Chemistry</i> , 2017, 72, 315-322.	2.0	17
11	New cyclopentaquinoline hybrids with multifunctional capacities for the treatment of Alzheimer's disease. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 158-170.	2.5	17
12	Determination of Citalopram in Tablets by HPLC, Densitometric HPTLC, and Videodensitometric HPTLC Methods. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 313-324.	0.5	16
13	Comparative validation of quetiapine Determination in tablets by NP-HPTLC and RP-HPTLC with densitometric and videodensitometric detection. <i>Journal of Planar Chromatography - Modern TLC</i> , 2008, 21, 289-294.	0.6	16
14	Stability studies of cefpirome sulfate in the solid state: Identification of degradation products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 92, 22-25.	1.4	16
15	Investigation of the photolysis and TiO ₂ , SrTiO ₃ , H ₂ O ₂ -mediated photocatalysis of an antipsychotic drug loxapine – Evaluation of kinetics, identification of photoproducts, and in silico estimation of properties. <i>Chemosphere</i> , 2018, 204, 1-10.	4.2	16
16	Prediction of HPLC retention times of tebipenem pivoxyl and its degradation products in solid state by applying adaptive artificial neural network with recursive features elimination. <i>Talanta</i> , 2015, 137, 174-181.	2.9	15
17	Chromatographic analysis of new antidepressant drugs by normal- and reversed-phase TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2001, 14, 300-304.	0.6	14
18	Determination of fluoxetine and paroxetine in pharmaceutical formulations by densitometric and videodensitometric TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2003, 16, 19-22.	0.6	13

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19	New Tacrine Analogs as Acetylcholinesterase Inhibitors – Theoretical Study with Chemometric Analysis. <i>Molecules</i> , 2013, 18, 2878-2894.	1.7	12
20	Radiolytic studies of cefozopran hydrochloride in the solid state. <i>Electronic Journal of Biotechnology</i> , 2017, 25, 28-32.	1.2	12
21	Photolytic and photocatalytic degradation of the antipsychotic agent tiapride: Kinetics, transformation pathways and computational toxicity assessment. <i>Journal of Hazardous Materials</i> , 2017, 321, 841-858.	6.5	12
22	Discovery of New Cyclopentaquinoline Analogues as Multifunctional Agents for the Treatment of Alzheimer’s Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 498.	1.8	12
23	The stability and degradation kinetics of acetylsalicylic acid in different organic solutions revisited – an UHPLC-ESI-QTOF spectrometry study. <i>Current Issues in Pharmacy and Medical Sciences</i> , 2016, 29, 39-41.	0.1	11
24	Characterization of forced degradation products of clozapine by LC-DAD/ESI-Q-TOF. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 272-280.	1.4	11
25	Imitation of phase I metabolism reactions of MAO-A inhibitors by titanium dioxide photocatalysis. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 114, 391-400.	1.9	11
26	Novel tetrahydroacridine derivatives with iodobenzoic acid moiety as multifunctional acetylcholinesterase inhibitors. <i>Chemical Biology and Drug Design</i> , 2018, 91, 505-518.	1.5	11
27	Photochemical transformation of fentanyl under the simulated solar radiation – Enhancement of the process by heterogeneous photocatalysis and in silico analysis of toxicity. <i>Science of the Total Environment</i> , 2021, 791, 148171.	3.9	11
28	LC determination of moclobemide and three metabolites in plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 1277-1285.	1.4	10
29	Validation of NP-HPTLC and RP-HPTLC methods with videodensitometric detection for analysis of ziprasidone in pharmaceutical formulations. <i>Journal of Planar Chromatography - Modern TLC</i> , 2010, 23, 23-27.	0.6	10
30	Radiostability of cefoselis sulfate in the solid state. <i>X-Ray Spectrometry</i> , 2015, 44, 344-350.	0.9	10
31	The radiolytic studies of cefpirome sulfate in the solid state. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 410-416.	1.4	10
32	Quantitative structure-retention relationship model for the determination of naratriptan hydrochloride and its impurities based on artificial neural networks coupled with genetic algorithm. <i>Talanta</i> , 2017, 164, 164-174.	2.9	10
33	The Radiostability of Meropenem Trihydrate in Solid State. <i>Molecules</i> , 2018, 23, 2738.	1.7	10
34	The retention behavior of some atypical antipsychotic drugs in normal-phase TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2006, 19, 73-80.	0.6	10
35	Multi-way analysis of retention of model compounds in thin-layer chromatography. <i>Acta Chromatographica</i> , 2010, 22, 27-36.	0.7	9
36	Solid-state stability studies of crystal form of tebipenem. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 238-244.	0.9	9

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37	Photolytic and photocatalytic degradation of tandospirone: Determination of kinetics, identification of transformation products and in silico estimation of toxicity. <i>Science of the Total Environment</i> , 2017, 590-591, 775-798.	3.9	9
38	Multivariate comparison of photocatalytic properties of thirteen nanostructured metal oxides for water purification. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 851-864.	0.9	9
39	A study of photodegradation of quetiapine by the use of LC-MS/MS method. <i>Open Chemistry</i> , 2012, 10, 232-240.	1.0	8
40	The experimental design approach to eluotropic strength of 20 solvents in thin-layer chromatography on silica gel. <i>Journal of Chromatography A</i> , 2017, 1483, 138-141.	1.8	8
41	Comparison of ESI and APCI sources in Q-TOF mass spectrometer in photodegradation study of selected psychotropic drugs. <i>Acta Chromatographica</i> , 2017, 29, 161-172.	0.7	8
42	Reversed-phase TLC study of the lipophilicity of fourteen 1,3-benzoxazol-2(3H)-one derivatives and comparison with isomeric 1,2-benzisoxazol-3(2H)-one analogs. <i>Journal of Planar Chromatography - Modern TLC</i> , 2011, 24, 348-351.	0.6	7
43	CHEMOMETRIC CHARACTERIZATION OF MODEL COMPOUNDS RETENTION IN SALTING-OUT THIN LAYER CHROMATOGRAPHY ON SILICA. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 776-784.	0.5	7
44	PHOTOSTABILITY STUDY AND IDENTIFICATION OF PHOTODEGRADATION PRODUCTS OF ZIPRASIDONE BY UHPLC-DAD/ESI-Q-TOF. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 2097-2112.	0.5	7
45	EXPLORING HIDDEN TRENDS IN CLASSIC AND MICELLAR THIN-LAYER CHROMATOGRAPHIC RETENTION OF MODEL COMPOUNDS BY CHEMOMETRIC METHODS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 2348-2362.	0.5	7
46	New hybrids of tacrine and indomethacin as multifunctional acetylcholinesterase inhibitors. <i>Chemical Papers</i> , 2021, 75, 249-264.	1.0	7
47	Trilinear multiplicative modelling of thin layer chromatography retention as a function of solute, organic modifier and its concentration. <i>Journal of Separation Science</i> , 2011, 34, 59-63.	1.3	6
48	Stability studies of cefoselis sulfate in the solid state. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 222-226.	1.4	6
49	Photocatalysis combined with chromatographic methods as a new promising tool in drug metabolism studies – a review. <i>Acta Chromatographica</i> , 2018, 30, 1-8.	0.7	6
50	New Tetrahydroacridine Hybrids with Dichlorobenzoic Acid Moiety Demonstrating Multifunctional Potential for the Treatment of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3765.	1.8	6
51	Determination of fluvoxamine and moclobemide in tablets by densitometric and videodensitometric TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2004, 17, 224-228.	0.6	5
52	Determination of the Lipophilicity of twenty-seven imidazo[2,1-c][1,2,4]triazine derivatives with strong biological activity by reversed-phase TLC. Comparison with results obtained by use of computational algorithms. <i>Journal of Planar Chromatography - Modern TLC</i> , 2009, 22, 327-331.	0.6	5
53	Chemometric Detection of Acetaminophen in Pharmaceuticals by Infrared Spectroscopy Combined with Pattern Recognition Techniques: Comparison of Attenuated Total Reflectance-FTIR and Raman Spectroscopy. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 743-749.	0.7	5
54	Application of Curve Resolution Algorithms in the Study Drug Photodegradation Kinetics – The Example of Moclobemide. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 708-712.	0.7	5

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55	CHEMOMETRIC CHARACTERIZATION OF MODEL COMPOUNDS RETENTION IN SALTING-OUT THIN LAYER CHROMATOGRAPHY ON CELLULOSE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 1298-1305.	0.5	5
56	Characterization of paliperidone photodegradation products by LC-Q-TOF multistage mass spectrometry. <i>Biomedical Chromatography</i> , 2016, 30, 894-901.	0.8	5
57	Simulation of phase I metabolism reactions of clozapine by HLM and photocatalytic methods with the use of UHPLC-ESI-MS/MS. <i>Biomedical Chromatography</i> , 2018, 32, e4297.	0.8	5
58	Simulation of phase I metabolism reactions of selected calcium channel blockers by human liver microsomes and photochemical methods with the use of Q-TOF LC/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 175, 112776.	1.4	5
59	Mimicking of Phase I Metabolism Reactions of Molindone by HLM and Photocatalytic Methods with the Use of UHPLC-MS/MS. <i>Molecules</i> , 2020, 25, 1367.	1.7	5
60	Photocatalysis as a Tool for in Vitro Drug Metabolism Simulation: Multivariate Comparison of Twelve Metal Oxides on a Set of Twenty Model Drugs. <i>Catalysts</i> , 2020, 10, 26.	1.6	5
61	Detection of Drug Active Ingredients by Chemometric Processing of Solid-State NMR Spectrometry Data—The Case of Acetaminophen. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 704-707.	0.7	4
62	A TLC Study of the lipophilicity of thirty-two acetylcholinesterase inhibitors — 1,2,3,4-tetrahydroacridine and 2,3-dihydro-1H-cyclopenta[b]quinoline derivatives. <i>Open Chemistry</i> , 2013, 11, 927-934.	1.0	4
63	Stability of cefozopran hydrochloride in aqueous solutions. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 572-577.	0.9	4
64	Can RP-8 plates be used in normal-phase systems? A chemometric approach to estimate the elution strength of popular solvents. <i>Journal of Planar Chromatography - Modern TLC</i> , 2017, 30, 401-404.	0.6	4
65	The Radiation Sterilization of Ertapenem Sodium in the Solid State. <i>Molecules</i> , 2019, 24, 2944.	1.7	4
66	Photostability study of agomelatine using UHPLC-DAD-MS/MS method. Kinetics, identification of the transformation products and in silico evaluation of toxicity. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2019, 42, 63-73.	0.5	4
67	Identification and characterization of citalopram new metabolites with the use of UHPLC-Q-TOF technique: In silico toxicity assessment of the identified transformation products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113299.	1.4	4
68	Reversed-phase TLC study of the lipophilicity of some 3-hydroxy-1,2-benzisoxazoles substituted in the benzene ring. <i>Acta Chromatographica</i> , 2009, 21, 251-258.	0.7	4
69	Analysis of some nonselective calcium-channel blockers in normal-phase chromatographic systems. <i>Journal of Planar Chromatography - Modern TLC</i> , 2002, 15, 458-462.	0.6	4
70	Comparative analysis of in vivo and in silico toxicity evaluation of the organoiodine compounds towards <i>D. magna</i> using multivariate chemometric approach: A study on the example of amiodarone phototransformation products. <i>Chemosphere</i> , 2022, 292, 133420.	4.2	4
71	Lipophilicity Evaluation of the Products Obtained in the Reaction of N3-Substituted Amidrazones with cis-1,2-Cyclohexanedicarboxylic Anhydride. <i>Chromatographia</i> , 2009, 69, 1169-1174.	0.7	3
72	Chemometrics meets homeopathy— an exploratory analysis of infrared spectra of homeopathic granules. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 36-38.	1.4	3

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73	Application of an Untargeted Chemometric Strategy in the Impurity Profiling of Pharmaceuticals: An Example of Amisulpride. <i>Journal of Chromatographic Science</i> , 2017, 55, 309-315.	0.7	3
74	Identification of new metabolites of vardenafil with the use of HLM and photochemical methods by LC-ESI-HRMS combined with multivariate chemometric analysis. <i>International Journal of Mass Spectrometry</i> , 2018, 433, 55-60.	0.7	3
75	Photolytic and photocatalytic transformation of an antipsychotic drug asenapine: Comparison of kinetics, identification of transformation products, and in silico estimation of their properties. <i>Ecotoxicology and Environmental Safety</i> , 2018, 162, 272-286.	2.9	3
76	Photodegradation Study of Sertindole by UHPLC-ESI-Q-TOF and Influence of Some Metal Oxide Excipients on the Degradation Process. <i>Pharmaceutics</i> , 2019, 11, 299.	2.0	3
77	Biological assessment of new tetrahydroacridine derivatives with fluorobenzoic moiety in vitro on A549 and HT-29 cell lines and in vivo on animal model. <i>Human Cell</i> , 2020, 33, 859-867.	1.2	3
78	The reversed-phase retention behavior of some atypical antipsychotic drugs. <i>Journal of Planar Chromatography - Modern TLC</i> , 2007, 20, 75-80.	0.6	3
79	Novel Cyclopentaquinoline and Acridine Analogs as Multifunctional, Potent Drug Candidates in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5876.	1.8	3
80	The Basis Function Regression in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 659-669.	1.4	2
81	A proposal of reference values for relative uncertainty increase in spectrophotometric analysis of pharmaceutical formulations. <i>Chemical Papers</i> , 2010, 64, .	1.0	2
82	Validated HPTLC Methods for Quantification of Mexiletine Hydrochloride in a Pharmaceutical Formulation. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 820-824.	0.7	2
83	Chemometric Processing of Pharmaceutical Essential Oil Fingerprints—Comparison of GC, HPLC, TLC, IR Spectroscopy, and Differential Scanning Calorimetry. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 699-703.	0.7	2
84	Chemometric comparison of thin-layer chromatography, gradient high-performance liquid chromatography, and computational methods for lipophilicity assessment of model compounds. <i>Journal of Planar Chromatography - Modern TLC</i> , 2015, 28, 115-118.	0.6	2
85	Trilinear analysis of thin-layer chromatography retention of 35 model compounds chromatographed on nine adsorbents with 20 pure solvents. <i>Journal of Separation Science</i> , 2016, 39, 4258-4262.	1.3	2
86	Characterization of forced degradation products of toloxatone by LC-ESI-MS/MS. <i>Saudi Pharmaceutical Journal</i> , 2018, 26, 467-480.	1.2	2
87	Experimental evaluation of solvent elution strength in reversed-phase thin-layer chromatography on RP2 and RP8 plates. <i>Journal of Planar Chromatography - Modern TLC</i> , 2018, 31, 351-354.	0.6	2
88	Lipophilicity of tryptophan, its metabolites and derivatives measured by thin-layer chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 375-380.	0.5	2
89	HPLC Gradient Retention of Tryptophan and its Metabolites on Three Stationary Phases in Context of Lipophilicity Assessment. <i>Journal of Chromatographic Science</i> , 2021, 59, 40-46.	0.7	2
90	Radiation sterilization as safe and effective way to obtain sterile biapenem. <i>Radiation Physics and Chemistry</i> , 2021, 182, 109363.	1.4	2

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91	Retention data for some statin-type antihyperlipidemic drugs in normal-phase TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2007, 20, 107-115.	0.6	2
92	Separation of statin-type antihyperlipidemic drugs by reversed-phase TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2007, 20, 235-237.	0.6	2
93	Efficient removal of anti-HIV drug - maraviroc from natural water by peroxydisulfate and TiO ₂ photocatalytic oxidation: Kinetic studies and identification of transformation products. <i>Journal of Environmental Management</i> , 2022, 319, 115735.	3.8	2
94	Optimization of Data Acquisition and Sample Preparation Methods for LC-MS Urine Metabolomic Analysis. <i>Open Chemistry</i> , 2015, 13, .	1.0	1
95	Experimental evaluation of solvent elution strength in reversed-phase TLC on medium polarity phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2019, 42, 258-265.	0.5	1
96	Characterization of lacosamide metabolites by UHPLC-ESI-MS/MS method. <i>Acta Chromatographica</i> , 2020, 32, 107-116.	0.7	1
97	Influence of the UV-Vis irradiation on the acute toxicity to zebrafish and mutagenicity of the selected psychotropic drugs. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1624-1637.	0.9	1
98	Characterization of Phase I Hepatic Metabolites of Anti-Premature Ejaculation Drug Dapoxetine by UHPLC-ESI-Q-TOF. <i>Molecules</i> , 2021, 26, 3794.	1.7	1
99	Identification of polyamidoamine dendrimers (PAMAM-NH ₂) by ESI-Q-TOF method. <i>Current Issues in Pharmacy and Medical Sciences</i> , 2012, 25, 286-293.	0.1	1
100	THE RADIOLYTIC STUDIES OF DORIPENEM MONOHYDRATE IN THE SOLID STATE. <i>Acta Poloniae Pharmaceutica</i> , 2018, 75, 1127-1133.	0.3	1
101	THE RADIATION STERILIZATION OF IMPENEM AND CILASTATIN IN THE SOLID STATE. <i>Acta Poloniae Pharmaceutica</i> , 2019, 76, 431-438.	0.3	1
102	The radiolytic studies of panipenem in the solid state. <i>Acta Poloniae Pharmaceutica</i> , 2020, 77, 241-250.	0.3	1
103	Identification of the New Metabolite of Nebivolol Using Liquid Chromatography Coupled with High-Resolution Mass Spectrometry and Chemometrics. <i>Molecules</i> , 2022, 27, 763.	1.7	1
104	Influence of the regression technique on the extrapolated retention values of single-point adsorption compounds on silica gel. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 229-232.	0.6	0
105	Analysis of non-selective calcium-channel blockers by reversed-phase TLC. <i>Journal of Planar Chromatography - Modern TLC</i> , 2003, 16, 433-437.	0.6	0
106	Identification of Degradation Products of Cefoselis Sulfate by HPLC-ESI-Quadrupole Time-Of-Flight-Mass Spectrometry in Aqueous Solutions. <i>Current Pharmaceutical Analysis</i> , 2016, 13, 26-30.	0.3	0
107	THE RADIOSTABILITY OF BETAMIPRON IN THE SOLID STATE. <i>Acta Poloniae Pharmaceutica</i> , 2019, 76, 629-634.	0.3	0