Karoly Heberger

List of Publications by Year
in descending order

169 papers	7,508 citations	76326 40 h-index	62596 80 g-index
181 all docs	181 docs citations	181 times ranked	7931 citing authors

#	Article	IF	Citations
1	Supervised pattern recognition in food analysis. Journal of Chromatography A, 2007, 1158, 196-214.	3.7	815
2	Why is Tanimoto index an appropriate choice for fingerprint-based similarity calculations?. Journal of Cheminformatics, 2015, 7, 20.	6.1	775
3	Quantitative structureâ€“(chromatographic) retention relationships. Journal of Chromatography A, 2007, 1158, 273-305.	3.7	350
4	Sum of ranking differences compares methods or models fairly. TrAC - Trends in Analytical Chemistry, 2010, 29, 101-109.	11.4	237
5	Metabolomics Applied to Exhaled Breath Condensate in Childhood Asthma. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 986-990.	5.6	224
6	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. Chemical Reviews, 2019, 119, 3674-3729.	47.7	191
7	Sum of ranking differences for method discrimination and its validation: comparison of ranks with random numbers. Journal of Chemometrics, 2011, 25, 151-158.	1.3	184
8	Botanical and Geographical Characterization of Green Coffee (Coffea arabica and Coffea canephora): Chemometric Evaluation of Phenolic and Methylxanthine Contents. Journal of Agricultural and Food Chemistry, 2009, 57, 4224-4235.	5.2	168
9	Classification of olive oils using high throughput flow 1H NMR fingerprinting with principal component analysis, linear discriminant analysis and probabilistic neural networks. Analytica Chimica Acta, 2005, 552, 13-24.	5.4	149
10	Aqueous salting-out effect of inorganic cations and anions on non-electrolytes. Chemosphere, 2006, 65, 802-810.	8.2	127
11	Method and model comparison by sum of ranking differences in cases of repeated observations (ties). Chemometrics and Intelligent Laboratory Systems, 2013, 127, 139-146.	3.5	127
12	Comparative analysis of different plant oils by high-performance liquid chromatographyâ€“atmospheric pressure chemical ionization mass spectrometry. Journal of Chromatography A, 2002, 976, 255-263.	3.7	121
13	Multivariate analysis of NMR fingerprint of the unsaponifiable fraction of virgin olive oils for authentication purposes. Food Chemistry, 2010, 118, 956-965.	8.2	120
14	Effect of Dataset Size and Train/Test Split Ratios in QSAR/QSPR Multiclass Classification. Molecules, 2021, 26, 1111.	3.8	106
15	Principal Component and Linear Discriminant Analyses of Free Amino Acids and Biogenic Amines in Hungarian Wines. Journal of Agricultural and Food Chemistry, 2003, 51, 8055-8060.	5.2	104
16	Quantitative Structure â€“ Antioxidant Activity Relationships of Flavonoid Compounds. Molecules, 2004, 9, 1079-1088.	3.8	104
17	Virgin Olive Oil Authentication by Multivariate Analyses of ¹H NMR Fingerprints and Î´¹³C and Î´²H Data. Journal of Agricultural and Food Chemistry, 2010, 58, 5586-5596.	5.2	94
18	Rate constants for the addition of the 2-cyano-2-propyl radical to alkenes in solution. International Journal of Chemical Kinetics, 1993, 25, 249-263.	1.6	87

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19	Consistency of QSAR models: Correct split of training and test sets, ranking of models and performance parameters. SAR and QSAR in Environmental Research, 2015, 26, 683-700.	2.2	85
20	Assessment of Nucleophilicity and Electrophilicity of Radicals, and of Polar and Enthalpy Effects on Radical Addition Reactions1. Journal of Organic Chemistry, 1998, 63, 8646-8653.	3.2	83
21	Life beyond the Tanimoto coefficient: similarity measures for interaction fingerprints. Journal of Cheminformatics, 2018, 10, 48.	6.1	77
22	Differentiation of vegetable oils by mass spectrometry combined with statistical analysis. Rapid Communications in Mass Spectrometry, 2002, 16, 2291-2297.	1.5	73
23	Principal Component Analysis of Biogenic Amines and Polyphenols in Hungarian Wines. Journal of Agricultural and Food Chemistry, 2002, 50, 3768-3774.	5.2	69
24	On the errors of Arrhenius parameters and estimated rate constant values. International Journal of Chemical Kinetics, 1987, 19, 171-181.	1.6	68
25	Determination of the geographical origin of green coffee by principal component analysis of carbon, nitrogen and boron stable isotope ratios. Rapid Communications in Mass Spectrometry, 2005, 19, 2111-2115.	1.5	65
26	Mass spectrometric and linear discriminant analysis of N-glycans of human serum alpha-1-acid glycoprotein in cancer patients and healthy individuals. Journal of Proteomics, 2008, 71, 186-197.	2.4	64
27	Principal component analysis of KovÃ¡ts indices for carbonyl compounds in capillary gas chromatography. Journal of Chromatography A, 1999, 845, 21-31.	3.7	63
28	Discrimination of mineral waters by electronic tongue, sensory evaluation and chemical analysis. Food Chemistry, 2012, 135, 2947-2953.	8.2	63
29	Multi-Level Comparison of Machine Learning Classifiers and Their Performance Metrics. Molecules, 2019, 24, 2811.	3.8	61
30	Prediction of ozone concentration in ambient air using multivariate methods. Chemosphere, 2004, 57, 889-896.	8.2	57
31	Classification of Gilthead Sea Bream (Sparus aurata) from ¹H NMR Lipid Profiling Combined with Principal Component and Linear Discriminant Analysis. Journal of Agricultural and Food Chemistry, 2007, 55, 9963-9968.	5.2	54
32	Multivariate assessment of lipophilicity scalesâ€"computational and reversed phase thin-layer chromatographic indices. Journal of Pharmaceutical and Biomedical Analysis, 2016, 127, 81-93.	2.8	54
33	Evaluation of polarity indicators and stationary phases by principal component analysis in gasâ€"liquid chromatography. Chemometrics and Intelligent Laboratory Systems, 1999, 47, 41-49.	3.5	53
34	Correlation between retention indices and quantum-chemical descriptors of ketones and aldehydes on stationary phases of different polarity. Analytica Chimica Acta, 2001, 428, 73-82.	5.4	52
35	The inherent accuracy of 1H NMR spectroscopy to quantify plasma lipoproteins is subclass dependent. Atherosclerosis, 2007, 190, 352-358.	0.8	51
36	Rate constants for the addition of the 2-hydroxy-2-propyl radical to alkenes in solution. International Journal of Chemical Kinetics, 1993, 25, 913-920.	1.6	49

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37	Addition of Benzyl Radicals to Alkenes: The Role of Radical Deformation in the Transition State. Angewandte Chemie International Edition in English, 1992, 31, 635-636.	4.4	47
38	Towards better understanding of lipophilicity: Assessment of in silico and chromatographic logP measures for pharmaceutically important compounds by nonparametric rankings. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 183-191.	2.8	47
39	Chromatographic and computational assessment of lipophilicity using sum of ranking differences and generalized pair-correlation. Journal of Chromatography A, 2015, 1380, 130-138.	3.7	45
40	Selection of solubility parameters for characterization of pharmaceutical excipients. Journal of Chromatography A, 2007, 1171, 90-97.	3.7	43
41	Generalization of pair correlation method (PCM) for non-parametric variable selection. Journal of Chemometrics, 2002, 16, 436-443.	1.3	41
42	Wavelength Selection for Multivariate Calibration Using Tikhonov Regularization. Applied Spectroscopy, 2007, 61, 85-95.	2.2	40
43	Discrimination between linear and non-linear models describing retention data of alkylbenzenes in gas-chromatography. Chromatographia, 1990, 29, 375-384.	1.3	39
44	Quantitative structureâ€“retention relationships XIV. Chemometrics and Intelligent Laboratory Systems, 2004, 72, 173-184.	3.5	39
45	Comparison of Ridge Regression, Partial Least-Squares, Pairwise Correlation, Forward- and Best Subset Selection Methods for Prediction of Retention Indices for Aliphatic Alcohols. Journal of Chemical Information and Modeling, 2005, 45, 339-346.	5.4	39
46	Sum of ranking differences (SRD) to ensemble multivariate calibration model merits for tuning parameter selection and comparing calibration methods. Analytica Chimica Acta, 2015, 869, 21-33.	5.4	39
47	Classification and replacement test of HPLC systems using principal component analysis. Analytica Chimica Acta, 2005, 536, 71-81.	5.4	38
48	Benzene, toluene, ethyl benzene and xylenes in ambient air and Pinus sylvestris L. needles: a comparative study between Belgium, Hungary and Latvia. Atmospheric Environment, 2001, 35, 6327-6335.	4.1	37
49	Ranking and similarity for quantitative structureâ€“retention relationship models in predicting Lee retention indices of polycyclic aromatic hydrocarbons. Analytica Chimica Acta, 2012, 716, 92-100.	5.4	37
50	Temperature dependence of KovÃ¡ts indices in gas chromatography revisited. Journal of Chromatography A, 2002, 973, 135-142.	3.7	36
51	Empirical correlations between gas-chromatographic retention data and physical or topological properties of solute molecules. Analytica Chimica Acta, 1989, 223, 161-174.	5.4	35
52	Comparison of comet assay parameters for estimation of genotoxicity by sum of ranking differences. Analytical and Bioanalytical Chemistry, 2013, 405, 4879-4885.	3.7	34
53	Intercorrelation Limits in Molecular Descriptor Preselection for QSAR/QSPR. Molecular Informatics, 2019, 38, e1800154.	2.5	34
54	Identification of Volatile Compounds in Sunflower Oil by Headspace SPME and Ion-Trap GC/MS. Journal of High Resolution Chromatography, 1998, 21, 368-370.	1.4	32

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55	Conditional Fisher's exact test as a selection criterion for pair-correlation method. Type I and Type II errors. Chemometrics and Intelligent Laboratory Systems, 2001, 57, 1-14.	3.5	32
56	Modelling methods and cross-validation variants in QSAR: a multi-level analysis[$]. SAR and QSAR in Environmental Research, 2018, 29, 661-674.	2.2	32
57	Empirical correlation equations describing retention data of hydrocarbons on dinonylphatalate and polyethyleneglycol 4000. Chromatographia, 1988, 25, 725-730.	1.3	31
58	Selection of orthogonal chromatographic systems based on parametric and non-parametric statistical tests. Analytica Chimica Acta, 2005, 539, 1-10.	5.4	31
59	Evaluation of chemometric techniques to select orthogonal chromatographic systems. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 141-151.	2.8	31
60	Is soft independent modeling of class analogies a reasonable choice for supervised pattern recognition?. RSC Advances, 2018, 8, 10-21.	3.6	30
61	Prediction of Anti-HIV-1 Activity of a Series of Tetrapyrrole Molecules. Journal of Chemical Information and Computer Sciences, 2003, 43, 1829-1836.	2.8	29
62	Which insect species can best be proposed for human consumption?. Innovative Food Science and Emerging Technologies, 2019, 52, 358-367.	5.6	29
63	Prediction of retention indices for identification of fatty acid methyl esters. Journal of Chromatography A, 2008, 1198-1199, 188-195.	3.7	27
64	Chemical Data Formats, Fingerprints, and Other Molecular Descriptions for Database Analysis and Searching. , 2017, , 329-378.		27
65	Influence of extraction parameters and medium on efficiency of solid-phase microextraction sampling in analysis of aliphatic aldehydes. Journal of Chromatography A, 1999, 845, 337-347.	3.7	26
66	Principal component analysis of measured quantities during degradation of hydroperoxides in oxidized vegetable oils. Lipids, 1999, 34, 83-92.	1.7	26
67	Comparison of chemometric methods for prediction of rate constants and activation energies of radical addition reactions. Journal of Chemometrics, 1999, 13, 473-489.	1.3	26
68	Minimum in the temperature dependence of the KovÃ¡ts retention indices of nitroalkanes and alkanenitriles on an apolar phase. Journal of Chromatography A, 2003, 985, 11-19.	3.7	26
69	Sum of ranking differences to rank stationary phases used in packed column supercritical fluid chromatography. Journal of Chromatography A, 2015, 1409, 241-250.	3.7	26
70	Quantitative determination of coenzyme Q10 from dietary supplements by FT-NIR spectroscopy and statistical analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 2887-2898.	3.7	25
71	Extended similarity indices: the benefits of comparing more than two objects simultaneously. Part 1: Theory and characteristicsâ€. Journal of Cheminformatics, 2021, 13, 32.	6.1	25
72	Partial least squares modeling of retention data of oxo compounds in gas chromatography. Chromatographia, 2000, 51, 595-600.	1.3	24

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73	Comparison of physicochemical and gas chromatographic polarity measures for simple organic compounds. Journal of Chromatography A, 2010, 1217, 2895-2902.	3.7	24
74	Reagent-free total protein quantification of intact extracellular vesicles by attenuated total reflection Fourier transform infrared (ATR-FTIR) spectroscopy. Analytical and Bioanalytical Chemistry, 2020, 412, 4619-4628.	3.7	24
75	Extended similarity indices: the benefits of comparing more than two objects simultaneously. Part 2: speed, consistency, diversity selection. Journal of Cheminformatics, 2021, 13, 33.	6.1	24
76	Machine learning models for classification tasks related to drug safety. Molecular Diversity, 2021, 25, 1409-1424.	3.9	24
77	Thermodynamic properties of alkylbenzenes from retention-boiling point correlations in gas chromatography. Chromatographia, 1997, 44, 179-186.	1.3	23
78	Enthalpies of Solution and Excess Enthalpies of Oxo Compounds by Capillary Gas Chromatography. Journal of Chromatographic Science, 1999, 37, 11-16.	1.4	23
79	Principal component analysis of polymerâ€“solvent and fillerâ€“solvent interactions by inverse gas chromatography. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 260, 29-37.	4.7	23
80	Role of Hansen solubility parameters in solid phase extraction. Journal of Chromatography A, 2010, 1217, 5564-5570.	3.7	23
81	Generalized Pairwise Correlation and method comparison: Impact assessment for JAR attributes on overall liking. Food Quality and Preference, 2015, 43, 88-96.	4.6	23
82	Comparison of antioxidant capacity assays with chemometric methods. Analytical Methods, 2015, 7, 4216-4224.	2.7	23
83	Die Addition von Benzylradikalen an Alkene: Zur Rolle von Radikaldeformationen im Äœbergangszustand. Angewandte Chemie, 1992, 104, 651-653.	2.0	22
84	Quantitative structureâ€“retention relationships. Chemometrics and Intelligent Laboratory Systems, 1999, 47, 205-217.	3.5	22
85	Chemoinformaticsâ€”multivariate mathematicalâ€“statistical methods for data evaluation. , 2008, , 141-169.		22
86	Estimation of influential points in any data set from coefficient of determination and its leave-one-out cross-validated counterpart. Journal of Computer-Aided Molecular Design, 2013, 27, 837-844.	2.9	22
87	‹sup›1‹/sup›Hâ€NMR and isotopic fingerprinting of olive oil and its unsaponifiable fraction: Geographical origin of virgin olive oils by pattern recognition. European Journal of Lipid Science and Technology, 2015, 117, 1991-2006.	1.5	22
88	Variable selection using pair-correlation method. Environmental applications. SAR and QSAR in Environmental Research, 2002, 13, 541-554.	2.2	21
89	Evaluation of single-cell gel electrophoresis data: Combination of variance analysis with sum of ranking differences. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 771, 15-22.	1.7	21
90	Comparison of Descriptor- and Fingerprint Sets in Machine Learning Models for ADME-Tox Targets. Frontiers in Chemistry, 0, 10, .	3.6	21

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91	Determination of heats of vaporization and gibbs free energies of alkylbenzenes on GC stationary phases of different polarity. Chromatographia, 1998, 48, 89-94.	1.3	20
92	Thermodynamic significance of boiling point correlations for alkylbenzenes in gas chromatography. Journal of Chromatography A, 1999, 845, 13-20.	3.7	20
93	Quantitative determination and classification of energy drinks using near-infrared spectroscopy. Analytical and Bioanalytical Chemistry, 2016, 408, 6403-6411.	3.7	20
94	MECHGEN:â€‰ Computer Aided Generation and Reduction of Reaction Mechanisms. Journal of Chemical Information and Computer Sciences, 2002, 42, 208-214.	2.8	19
95	Predictive performance of â€œhighly complexâ€•artificial neural networks. Applied Catalysis A: General, 2007, 324, 90-93.	4.3	19
96	Comparison of validation variants by sum of ranking differences and <scp>ANOVA</scp>. Journal of Chemometrics, 2019, 33, e3104.	1.3	19
97	Elemental composition of Russula cyanoxantha along an urbanization gradient in Cluj-Napoca (Romania). Chemosphere, 2020, 238, 124566.	8.2	19
98	Quantitative Analysis of aliphatic aldehydes by headspace SPME sampling and ion-trap GC-MS. Chromatographia, 1998, 48, 127-132.	1.3	18
99	Principal Component Analysis of Polarity and Interaction Parameters in Inverse Gas Chromatography. Journal of Chromatographic Science, 2001, 39, 375-384.	1.4	18
100	Binary similarity measures for fingerprint analysis of qualitative metabolomic profiles. Metabolomics, 2018, 14, 29.	3.0	17
101	Estimation of Molar Heat Capacities in Solution from Gas Chromatographic Data. Journal of Chromatographic Science, 2001, 39, 113-120.	1.4	16
102	Cluster and principal component analysis for KovÃ¡tsâ€™ retention indices on apolar and polar stationary phases in gas chromatography. Journal of Chromatography A, 2008, 1177, 175-182.	3.7	16
103	How to compare separation selectivity of high-performance liquid chromatographic columns properly?. Journal of Chromatography A, 2017, 1488, 45-56.	3.7	16
104	Multicriteria decision making for evergreen problems in food science by sum of ranking differences. Food Chemistry, 2021, 344, 128617.	8.2	16
105	Linear free energy relationships in radical reactions. II. hydrogen abstraction from substituted toluenes byTert-Butyl,Tert-Butoxyl andTert-Butylperoxyl radicals. Journal of Physical Organic Chemistry, 1994, 7, 244-250.	1.9	15
106	Separation of polar and enthalpic effects on radical addition reactions using principal component analysis. Journal of the Chemical Society Perkin Transactions II, 1995, , 91-96.	0.9	15
107	Ranking of QSAR Models to Predict Minimal Inhibitory Concentrations Toward Mycobacterium tuberculosis for a Set of Fluoroquinolones. Acta Chimica Slovenica, 2010, 57, 586-90.	0.6	15
108	Comparison of Data Fusion Methods as Consensus Scores for Ensemble Docking. Molecules, 2019, 24, 2690.	3.8	14

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109	Comparison of multianalyte proficiency test results by sum of ranking differences, principal component analysis, and hierarchical cluster analysis. Analytical and Bioanalytical Chemistry, 2013, 405, 8363-8375.	3.7	12
110	Elemental composition of wild growing Agaricus campestris mushroom in urban and peri-urban regions of Transylvania (Romania). Journal of Food Composition and Analysis, 2018, 72, 15-21.	3.9	12
111	Differential Consistency Analysis: Which Similarity Measures can be Applied in Drug Discovery?. Molecular Informatics, 2021, 40, e2060017.	2.5	12
112	Prediction of Tumoricidal Activity and Accumulation of Photosensitizers in Photodynamic Therapy Using Multiple Linear Regression and Artificial Neural NetworksÂ¶. Photochemistry and Photobiology, 2002, 75, 471.	2.5	12
113	Principal component analysis of data on the catalytic oxidation of toluene. Applied Catalysis A: General, 1994, 119, L7-L12.	4.3	11
114	Comparison of classification methods with â€œn-classâ€•receiver operating characteristic curves: A case study of energy drinks. Chemometrics and Intelligent Laboratory Systems, 2016, 151, 34-43.	3.5	11
115	The reaction of CH₂(XÌ„³B₁) with C₆H₆. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1989, 93, 80-87.	0.9	10
116	Inverse gas chromatographic and chemometric tools for determination of interactions between the components of polymeric composition. Analytica Chimica Acta, 2006, 559, 221-226.	5.4	10
117	Effectiveness of in-needle extraction device for liquid samples. Analytica Chimica Acta, 2012, 751, 182-188.	5.4	10
118	Classification of Hungarian medieval silver coins using x-ray fluorescent spectroscopy and multivariate data analysis. Heritage Science, 2013, 1, .	2.3	10
119	Characterization of Hybrid Materials by Means of Inverse Gas Chromatography and Chemometrics. Journal of Pharmaceutical Sciences, 2013, 102, 1524-1531.	3.3	10
120	Which just-about-right feature should be changed if evaluations deviate? A case study using sum of ranking differences. Chemometrics and Intelligent Laboratory Systems, 2017, 161, 130-135.	3.5	10
121	Extended many-item similarity indices for sets of nucleotide and protein sequences. Computational and Structural Biotechnology Journal, 2021, 19, 3628-3639.	4.1	10
122	Anomalous temperature dependence of gas chromatographic retention indices of polar compounds on non-polar stationary phases. Journal of Chromatography A, 2016, 1445, 126-134.	3.7	9
123	Apportionment and districting by Sum of Ranking Differences. PLoS ONE, 2020, 15, e0229209.	2.5	9
124	Estimating Nanoscale Surface Roughness of Polyethylene Terephthalate Fibers. ACS Omega, 2020, 5, 3670-3677.	3.5	9
125	Molecular Dynamics Simulations and Diversity Selection by Extended Continuous Similarity Indices. Journal of Chemical Information and Modeling, 2022, 62, 3415-3425.	5.4	9
126	Thermodynamic consistency test for binary VLE data. Fluid Phase Equilibria, 1986, 27, 405-425.	2.5	8

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127	Temperature dependence of solvation heat capacities by gas chromatography. Analytica Chimica Acta, 2005, 549, 134-139.	5.4	8
128	Solvation enthalpies and heat capacities ofn-alkanes in four polymer phases by capillary gas chromatography. Journal of Separation Science, 2005, 28, 506-512.	2.5	8
129	Similarity and grouping of perlite and zeolite abrasive fillers: A replacement test. Journal of Applied Polymer Science, 2013, 127, 3839-3847.	2.6	8
130	Best conditions for biodegradation of diesel oil by chemometric tools. Brazilian Journal of Microbiology, 2014, 45, 117-126.	2.0	8
131	Rate Coefficients of Elementary Steps in the Inhibited Oxidation of Ethylbenzene, I. Interaction between Peroxy Radicals and Inhibitor Molecules. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1983, 87, 606-609.	0.9	7
132	Oxidative decarboxylation of cyclohexane monocarboxylic acid as a degenerate branching chain reaction. I. kinetics. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1994, 98, 75-81.	0.9	7
133	Separation of polar and enthalpy effects in radical addition reactions using polar (?) and radical (?ï¿½) sigma scales. Journal of Physical Organic Chemistry, 2000, 13, 151-156.	1.9	7
134	Development and comparison of regression models for the determination of quality parameters in margarine spread samples using NIR spectroscopy. Analytical Methods, 2018, 10, 3089-3099.	2.7	7
135	Extended continuous similarity indices: theory and application for QSAR descriptor selection. Journal of Computer-Aided Molecular Design, 2022, 36, 157-173.	2.9	7
136	Linear free energy relationships for peroxy radical-phenol reactions. Influence of thepara-substituent, theortho-di-tert-butyl groups and the peroxy radical. International Journal of Chemical Kinetics, 1989, 21, 1181-1193.	1.6	6
137	Reactivity of HO₂^{Â·} Radicals in Alcohols. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1992, 96, 175-179.	0.9	6
138	Newly synthesized tetraoxa-diaza crown ether derivatives versus commercialized crown ethers in the separation of positional isomers with capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1164-1170.	2.8	6
139	Classification and unscrambling a classâ€insideâ€class situation by object target rotation: Hungarian silver coins of the ÃrpÃ¡d Dynasty, <scp>ad</scp> 997â€“1301. Journal of Chemometrics, 2014, 28, 287-292.	1.3	6
140	Sorption, solubility, and mass changes of hydroxyapatiteâ€containing composites in artificial saliva, food simulating solutions, tea, and coffee. Journal of Applied Polymer Science, 2014, 131, .	2.6	6
141	Ranking and similarity of conventional, microwave and ultrasound element sequential extraction methods. Chemosphere, 2018, 198, 103-110.	8.2	6
142	Rate Coefficients of Elementary Steps in the Inhibited Oxidation of Ethylbenzene, II. Interaction between Hydroperoxide and Alcohol Molecules. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1984, 88, 63-65.	0.9	5
143	Synergism Between Constituents of Multicomponent Catalysts Designed for Ethanol Steam Reforming Using Partial Least Squares Regression and Artificial Neural Networks. Combinatorial Chemistry and High Throughput Screening, 2012, 15, 105-113.	1.1	5
144	How to predict choice using eye-movements data?. Food Research International, 2021, 143, 110309.	6.2	5

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145	Comprehensive Classification and Regression Modeling of Wine Samples Using 1H NMR Spectra. Foods, 2021, 10, 64.	4.3	5
146	Oxidative decarboxylation of cyclohexane monocarboxylic acid as a degenerate branching chain reaction II. Mechanism. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1994, 98, 1303-1307.	0.9	4
147	Effect of Film Thickness on the Retention Index of Nitro and Cyano Compounds. Interpretation of the Logarithmic Equation. Journal of Chromatographic Science, 2004, 42, 288-292.	1.4	4
148	Which Performance Parameters Are Best Suited to Assess the Predictive Ability of Models?. Challenges and Advances in Computational Chemistry and Physics, 2017, , 89-104.	0.6	4
149	Factor analysis, sparse PCA, and Sum of Ranking Differences-based improvements of the Promethee-GAIA multicriteria decision support technique. PLoS ONE, 2022, 17, e0264277.	2.5	4
150	Limitations of evaluation methods for inhibited oxidation processes in the liquid phase. Journal of the Chemical Society Faraday Transactions I, 1986, 82, 2621.	1.0	3
151	Identification of C5H8isomers through reactions of singlet methylene, CH2(Ã£1A1), with unsaturated hydrocarbons using capillary gas chromatography-mass spectrometry. Analyst, The, 1990, 115, 725-729.	3.5	3
152	Chemometrics in Hungary (the last 10 years). Chemometrics and Intelligent Laboratory Systems, 2004, 72, 115-122.	3.5	3
153	Limitations of evaluation methods for inhibited oxidation based on chemiluminescence. Reaction Kinetics and Catalysis Letters, 1989, 38, 51-56.	0.6	2
154	Injection Flow NMR as a Tool for the High Throughput Screening of Oils. Special Publication - Royal Society of Chemistry, 0, , 124-130.	0.0	2
155	Comprehensible Visualization of Multidimensional Data: Sum of Ranking Differences-Based Parallel Coordinates. Mathematics, 2021, 9, 3203.	2.2	2
156	Some aspects of modeling hydrocarbon oxidation. Proceedings of the Combustion Institute, 1981, 18, 1321-1331.	0.3	1
157	Limitations of evaluation methods for inhibited oxidation of hydrocarbons in the liquid phase. Expressions based on oxygen consumption. Reaction Kinetics and Catalysis Letters, 1989, 39, 115-122.	0.6	1
158	Computer modeling of formation of soot precursors in the oxidation of methane. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 257-261.	0.9	1
159	Comparison of Ridge Regression, Partial Least-Squares, Pairwise Correlation, Forward- and Best Subset Selection Methods for Prediction of Retention Indices for Aliphatic Alcohols.. ChemInform, 2005, 36, no.	0.0	1
160	Quantitative Structureâ€“Retention Relationships. , 2012, , 451-475.		1
161	On the interaction of hydroperoxide and inhibitor molecules. International Journal of Chemical Kinetics, 1985, 17, 271-275.	1.6	0
162	Oxidative decarboxylation of cyclohexane monocarboxylic acid III. Initiated oxidation. Reaction Kinetics and Catalysis Letters, 1994, 53, 385-390.	0.6	0

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163	Prediction of anti-HIV-1 Activity of a Series of Tetrapyrrole Molecules.. ChemInform, 2004, 35, no.	0.0	0
164	Conferentia Chemometrica 2005. Chemometrics and Intelligent Laboratory Systems, 2007, 87, 1-2.	3.5	0
165	Prediction of Tumoricidal Activity and Accumulation of Photosensitizers in Photodynamic Therapy Using Multiple Linear Regression and Artificial Neural NetworksÂ¶. Photochemistry and Photobiology, 2007, 75, 471-478.	2.5	0
166	4th International Symposium on Computer Applications and Chemometrics in Analytical Chemistry Glashotel, BalatonalmÃ¡di, Hungary, September 1-4, 2008. Journal of Chemometrics, 2009, 23, 153-153.	1.3	0
167	Conferentia Chemometrica 2009, SiÃ³fok, Hotel Magistern, 27-30 September 2009. Journal of Chemometrics, 2010, 24, 95-95.	1.3	0
168	Data on elemental composition of Russula cyanoxantha along an urbanization gradient in Cluj-Napoca (Romania). Data in Brief, 2019, 27, 104572.	1.0	0
169	Multiobject Optimization of National Football League Drafts: Comparison of Teams and Experts. Applied Sciences (Switzerland), 2022, 12, 6303.	2.5	0