

# Mohammad Talebi

## List of Publications by Year in descending order

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27  
papers

966  
citations

430874  
18  
h-index

552781  
26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retention prediction using quantitative structure–retention relationships combined with the hydrophobic subtraction model in reversed–phase liquid chromatography. <i>Electrophoresis</i> , 2019, 40, 2415-2419.	2.4	7
2	Retention prediction in reversed phase high performance liquid chromatography using quantitative structure-retention relationships applied to the Hydrophobic Subtraction Model. <i>Journal of Chromatography A</i> , 2018, 1541, 1-11.	3.7	45
3	Chemometric-assisted method development in hydrophilic interaction liquid chromatography: A review. <i>Analytica Chimica Acta</i> , 2018, 1000, 20-40.	5.4	81
4	Retention Index Prediction Using Quantitative Structure–Retention Relationships for Improving Structure Identification in Nontargeted Metabolomics. <i>Analytical Chemistry</i> , 2018, 90, 9434-9440.	6.5	34
5	Towards a chromatographic similarity index to establish localised quantitative structure-retention relationships for retention prediction. II Use of Tanimoto similarity index in ion chromatography. <i>Journal of Chromatography A</i> , 2017, 1523, 173-182.	3.7	11
6	Retention prediction of low molecular weight anions in ion chromatography based on quantitative structure-retention relationships applied to the linear solvent strength model. <i>Journal of Chromatography A</i> , 2017, 1486, 68-75.	3.7	25
7	Rapid Method Development in Hydrophilic Interaction Liquid Chromatography for Pharmaceutical Analysis Using a Combination of Quantitative Structure–Retention Relationships and Design of Experiments. <i>Analytical Chemistry</i> , 2017, 89, 1870-1878.	6.5	41
8	Prediction of retention in hydrophilic interaction liquid chromatography using solute molecular descriptors based on chemical structures. <i>Journal of Chromatography A</i> , 2017, 1486, 59-67.	3.7	47
9	Error measures in quantitative structure-retention relationships studies. <i>Journal of Chromatography A</i> , 2017, 1524, 298-302.	3.7	34
10	Benchmarking of Computational Methods for Creation of Retention Models in Quantitative Structure–Retention Relationships Studies. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2754-2762.	5.4	10
11	Towards a chromatographic similarity index to establish localised Quantitative Structure-Retention Relationships for retention prediction. III Combination of Tanimoto similarity index, log P , and retention factor ratio to identify optimal analyte training sets for ion chromatography. <i>Journal of Chromatography A</i> , 2017, 1520, 107-116.	3.7	15
12	In Silico Screening of Two-Dimensional Separation Selectivity for Ion Chromatography – Capillary Electrophoresis Separation of Low-Molecular-Mass Organic Acids. <i>Analytical Chemistry</i> , 2017, 89, 8808-8815.	6.5	8
13	Towards a chromatographic similarity index to establish localized quantitative structure-retention models for retention prediction: Use of retention factor ratio. <i>Journal of Chromatography A</i> , 2017, 1486, 50-58.	3.7	31
14	Use of dual-filtering to create training sets leading to improved accuracy in quantitative structure-retention relationships modelling for hydrophilic interaction liquid chromatographic systems. <i>Journal of Chromatography A</i> , 2017, 1507, 53-62.	3.7	26
15	Enhanced methodology for porting ion chromatography retention data. <i>Journal of Chromatography A</i> , 2016, 1436, 59-63.	3.7	8
16	3D printed titanium micro-bore columns containing polymer monoliths for reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2016, 910, 84-94.	5.4	64
17	Performance comparison of partial least squares-related variable selection methods for quantitative structure retention relationships modelling of retention times in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1424, 69-76.	3.7	41
18	Semiautomated pH Gradient Ion-Exchange Chromatography of Monoclonal Antibody Charge Variants. <i>Analytical Chemistry</i> , 2014, 86, 9794-9799.	6.5	17

#	ARTICLE	IF	CITATIONS
19	Poly(ethylene glycol)-based monolithic capillary columns for hydrophobic interaction chromatography of immunoglobulin <scp>G</scp> subclasses and variants. Journal of Separation Science, 2013, 36, 2782-2792.	2.5	21
20	Charge heterogeneity profiling of monoclonal antibodies using low ionic strength ion-exchange chromatography and well-controlled pH gradients on monolithic columns. Journal of Chromatography A, 2013, 1317, 148-154.	3.7	56
21	Epoxy-based monoliths for capillary liquid chromatography of small and large molecules. Analytical and Bioanalytical Chemistry, 2013, 405, 2233-2244.	3.7	18
22	Review of recent advances in the preparation of organic polymer monoliths for liquid chromatography of large molecules. Analytica Chimica Acta, 2012, 738, 1-12.	5.4	122
23	Method development and validation for optimised separation of salicylic, acetyl salicylic and ascorbic acid in pharmaceutical formulations by hydrophilic interaction chromatography and response surface methodology. Journal of Chromatography A, 2011, 1218, 5995-6003.	3.7	60
24	Multivariate optimisation of microwave-assisted extraction of capsaicin from Capsicum frutescens L. and quantitative analysis by <sup>1</sup> H-NMR. Phytochemical Analysis, 2007, 18, 333-340.	2.4	44
25	Optimization of microwave-assisted extraction for alizarin and purpurin in Rubiaceae plants and its comparison with conventional extraction methods. Journal of Separation Science, 2005, 28, 387-396.	2.5	45
26	Optimization of the extraction of paclitaxel from Taxus baccata L. by the use of microwave energy. Journal of Separation Science, 2004, 27, 1130-1136.	2.5	55
27	Discovery of Redox-Promoted Brønsted Acid Catalysis in the Gold(III)-Catalyzed Annulation of Phenol and Cyclohexadiene. ACS Catalysis, 0, , 7918-7925.	11.2	0