

# Mohammad Talebi

## List of Publications by Year in descending order

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27  
papers

966  
citations

430843

18  
h-index

552766

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of recent advances in the preparation of organic polymer monoliths for liquid chromatography of large molecules. <i>Analytica Chimica Acta</i> , 2012, 738, 1-12.	5.4	122
2	Chemometric-assisted method development in hydrophilic interaction liquid chromatography: A review. <i>Analytica Chimica Acta</i> , 2018, 1000, 20-40.	5.4	81
3	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
4	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. <i>Journal of Chromatography A</i> , 2011, 1218, 5995-6003.	3.7	60
5	Charge heterogeneity profiling of monoclonal antibodies using low ionic strength ion-exchange chromatography and well-controlled pH gradients on monolithic columns. <i>Journal of Chromatography A</i> , 2013, 1317, 148-154.	3.7	56
6	Optimization of the extraction of paclitaxel from <i>Taxus baccata</i> L. by the use of microwave energy. <i>Journal of Separation Science</i> , 2004, 27, 1130-1136.	2.5	55
7	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
8	Optimization of microwave-assisted extraction for alizarin and purpurin in Rubiaceae plants and its comparison with conventional extraction methods. <i>Journal of Separation Science</i> , 2005, 28, 387-396.	2.5	45
9	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
10	Multivariate optimisation of microwave-assisted extraction of capsaicin from <i>Capsicum frutescens</i> L. and quantitative analysis by <sup>1</sup> H-NMR. <i>Phytochemical Analysis</i> , 2007, 18, 333-340.	2.4	44
11	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
12	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
13	Error measures in quantitative structure-retention relationships studies. <i>Journal of Chromatography A</i> , 2017, 1524, 298-302.	3.7	34
14	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
15	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
16	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
17	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
18	Poly(ethylene glycol)-based monolithic capillary columns for hydrophobic interaction chromatography of immunoglobulin G subclasses and variants. <i>Journal of Separation Science</i> , 2013, 36, 2782-2792.	2.5	21

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19	Epoxy-based monoliths for capillary liquid chromatography of small and large molecules. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2233-2244.	3.7	18
20	Semiautomated pH Gradient Ion-Exchange Chromatography of Monoclonal Antibody Charge Variants. <i>Analytical Chemistry</i> , 2014, 86, 9794-9799.	6.5	17
21	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
22	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
23	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
24	Enhanced methodology for porting ion chromatography retention data. <i>Journal of Chromatography A</i> , 2016, 1436, 59-63.	3.7	8
25	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
26	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
27	Discovery of Redox-Promoted Brønsted Acid Catalysis in the Gold(III)-Catalyzed Annulation of Phenol and Cyclohexadiene. <i>ACS Catalysis</i> , 0, , 7918-7925.	11.2	0