

Top 10 Publications for SLIM Technology

Publication Title	Authors	Journal	Year	Link* <small>*Journal subscriptions may be required for full access</small>
New frontiers for mass spectrometry based upon structures for lossless ion manipulations	Ibrahim, YM; Hamid, AM; Deng, L; Garimella, SVB; Webb, IK; Baker, ES; Smith, RD	Analyst, Issue 7	2017	Read It Here
Ion Mobility Separations of Isomers based upon Long Path Length Structures for Lossless Ion Manipulations Combined with Mass Spectrometry	Deng, L; Ibrahim, YM; Baker, ES; Aly, NA; Hamid, AM; Zhang, X; Zheng, X; Garimella, SVB; Webb, IK; Prost, SA; Sandoval, JA; Norheim, RV; Anderson, GA; Tolmachev, AV; Smith, RD	Chemistry Select, Volume 1, Issue 10	2016	Read It Here
Characterization of Traveling Wave Ion Mobility Separations in Structures for Lossless Ion Manipulations	Hamid, AM; Ibrahim, IM; Garimella, SVB; Webb, IK; Deng, L; Chen, T; Anderson, GA; Prost, SA; Norheim, RV; Tolmachev, AV; Smith, RD	Analytical Chemistry, Volume 87, Issue 22	2015	Read It Here
Structural Elucidation of cis/trans Dicafeoylquinic Acid Photoisomerization Using Ion Mobility Spectrometry-Mass Spectrometry	Zheng, X; Renslow, RS; Makola, MM; Webb, IK; Deng, L; Thomas, DG; Govind, N; Ibrahim, YM; Kabanda, MM; Dubery, IA; Heyman, HM; Smith, RD; Madala, NE; Baker, ES	The Journal of Physical Chemistry Letters, Volume 8, Issue 7	2017	Read It Here
Achieving High Resolution Ion Mobility Separations Using Traveling Waves in Compact Multiturn Structures for Lossless Ion Manipulations	Hamid, AM; Garimella, SVB; Ibrahim, IM; Deng, L; Zheng, X; Webb, IK; Anderson, GA; Prost, SA; Norheim, RV; Tolmachev, AV; Baker, ES; Smith, RD	Analytical Chemistry, Volume 88, Issue 18	2016	Read It Here
Distinguishing D- and L-aspartic and isoaspartic acids in amyloid β peptides with ultrahigh resolution ion mobility spectrometry	Zheng, X; Deng, L; Baker, ES; Ibrahim, YM; Petyuk, VA; Smith, RD	Chemical Communications, Issue 56	2017	Read It Here
Serpentine Ultralong Path with Extended Routing (SUPER) High Resolution Traveling Wave Ion Mobility-MS using Structures for Lossless Ion Manipulations	Deng, L; Webb, IK; Garimella, SVB; Hamid, AM; Zheng, X; Norheim, RV; Prost, SA; Anderson, GA; Sandoval, JA; Baker, ES; Ibrahim, YM; Smith, RD	Analytical Chemistry, Volume 89, Issue 8	2017	Read It Here
Lipid and Glycolipid Isomer Analyses Using Ultra-High Resolution Ion Mobility Spectrometry Separations	Wojcik, R; Webb, IK; Deng, L; Garimella, SVB; Prost, SA; Ibrahim, YM; Baker, ES; Smith, RD	International Journal of Molecular Sciences, Volume 18, Issue 1	2017	Read It Here
Ion Elevators and Escalators in Multilevel Structures for Lossless Ion Manipulations	Ibrahim, YM; Hamid, AM; Cox, JT; Garimella, SVB; Smith, RD	Analytical Chemistry, Volume 89, Issue 3	2017	Read It Here
Rapid Ion Mobility Separations of Bile Acid Isomers using Cyclodextrin Adducts and Structures for Lossless Ion Manipulations	Chouinard, CD; Nagy, G; Webb, IK; Garimella, SVB; Baker, ES; Ibrahim, YM; Smith, RD	Analytical Chemistry, Articles ASAP	2018	Read It Here