

Jeffrey C Smith

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Trimethylation Enhancement Using Diazomethane (TrEnDi) II: Rapid In-Solution Concomitant Quaternization of Glycerophospholipid Amino Groups and Methylation of Phosphate Groups via Reaction with Diazomethane Significantly Enhances Sensitivity in Mass Spectrometry Analyses via a Fixed, Permanent Positive Charge. <i>Analytical Chemistry</i> , 2014, 86, 9523-9532.	6.5	45
2	Targeting an Achilles heel in olefin metathesis: A strategy for high-yield synthesis of second-generation Grubbs methylenide catalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 1630.	4.1	31
3	Trimethylation Enhancement Using ¹³ C-Diazomethane (¹³ C-TrEnDi): Increased Sensitivity and Selectivity of Phosphatidylethanolamine, Phosphatidylcholine, and Phosphatidylserine Lipids Derived from Complex Biological Samples. <i>Analytical Chemistry</i> , 2016, 88, 6996-7004.	6.5	29
4	First-in-class small molecule potentiators of cancer virotherapy. <i>Scientific Reports</i> , 2016, 6, 26786.	3.3	25
5	The role of global histone post-translational modifications during mammalian hibernation. <i>Cryobiology</i> , 2017, 75, 28-36.	0.7	22
6	Identification of post-blast explosive residues using direct-analysis-in-real-time and mass spectrometry (DART-MS). <i>Forensic Chemistry</i> , 2019, 16, 100185.	2.8	21
7	Trimethylation Enhancement using Diazomethane (TrEnDi): Rapid On-Column Quaternization of Peptide Amino Groups via Reaction with Diazomethane Significantly Enhances Sensitivity in Mass Spectrometry Analyses via a Fixed, Permanent Positive Charge. <i>Analytical Chemistry</i> , 2014, 86, 3291-3299.	6.5	20
8	Altered Hippocampal Lipid Profile Following Acute Postnatal Exposure to Di(2-Ethylhexyl) Phthalate in Rats. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 13542-13559.	2.6	15
9	Clinical applications of bacterial glycoproteins. <i>Expert Review of Proteomics</i> , 2016, 13, 345-353.	3.0	13
10	Purification and properties of glyceraldehyde-3-phosphate dehydrogenase from the skeletal muscle of the hibernating ground squirrel, <i>ictidomys tridecemlineatus</i> . <i>PeerJ</i> , 2014, 2, e634.	2.0	13
11	Trimethylation Enhancement Using ¹³ C-Diazomethane: Gas-Phase Charge Inversion of Modified Phospholipid Cations for Enhanced Structural Characterization. <i>Analytical Chemistry</i> , 2017, 89, 9452-9458.	6.5	11
12	iTrEnDi: In Situ Trimethylation Enhancement Using Diazomethane: Improved and Expanded Glycerophospholipid and Sphingolipid Analyses via a Microscale Autonomous Derivatization Platform. <i>Analytical Chemistry</i> , 2021, 93, 1084-1091.	6.5	8
13	Coupling Headgroup and Alkene Specific Solution Modifications with Gas-Phase Ion/Ion Reactions for Sensitive Glycerophospholipid Identification and Characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 938-945.	2.8	7
14	Characterizing bacterial glycoproteins with LC-MS. <i>Expert Review of Proteomics</i> , 2018, 15, 203-216.	3.0	4
15	Commercially Produced Rice and Maize Starches Contain Nonhost Proteins, as Shown by Mass Spectrometry. <i>Cereal Chemistry</i> , 2012, 89, 262-264.	2.2	1
16	Seasonal changes in membrane structure and excitability in retinal neurons of goldfish (<i>Carassius</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	1
17	The 33rd International Tandem Mass Spectrometry Workshop, Lake Louise, Alberta, Canada. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 409-411.	2.8	0