

# Megan A Grabenauer

## List of Publications by Year in descending order

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28  
papers

1,403  
citations

430754

18  
h-index

526166

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1758  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Phosphorylated Peptides Using Traveling Wave-Based and Drift Cell Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 248-254.	3.2	223
2	Potent rewarding and reinforcing effects of the synthetic cathinone 3,4- $\alpha$ -methylenedioxypropylvalerone (<sc>MDPV</sc>). <i>Addiction Biology</i> , 2014, 19, 165-174.	1.4	156
3	Characterization of simple isomeric oligosaccharides and the rapid separation of glycan mixtures by ion mobility mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2010, 298, 119-127.	0.7	114
4	AB-CHMINACA, AB-PINACA, and FUBIMINA: Affinity and Potency of Novel Synthetic Cannabinoids in Producing $\delta$ -Tetrahydrocannabinol-Like Effects in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 354, 328-339.	1.3	110
5	Cannabinoids in disguise: $\delta$ -Tetrahydrocannabinol-like effects of tetramethylcyclopropyl ketone indoles. <i>Neuropharmacology</i> , 2013, 75, 145-154.	2.0	94
6	Analysis of Synthetic Cannabinoids Using High-Resolution Mass Spectrometry and Mass Defect Filtering: Implications for Nontargeted Screening of Designer Drugs. <i>Analytical Chemistry</i> , 2012, 84, 5574-5581.	3.2	91
7	Oligomers of the Prion Protein Fragment 106 $\sim$ 126 Are Likely Assembled from $\beta$ -Hairpins in Solution, and Methionine Oxidation Inhibits Assembly without Altering the Peptide's Monomeric Conformation. <i>Journal of the American Chemical Society</i> , 2010, 132, 532-539.	6.6	67
8	The Effect of Calcium Ions and Peptide Ligands on the Relative Stabilities of the Calmodulin Dumbbell and Compact Structures. <i>Journal of Physical Chemistry B</i> , 2010, 114, 437-447.	1.2	56
9	Spermine Binding to Parkinson's Protein $\alpha$ -Synuclein and Its Disease-Related A30P and A53T Mutants. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11147-11154.	1.2	52
10	Evaluation of first generation synthetic cannabinoids on binding at non-cannabinoid receptors and in a battery of <i>in vivo</i> assays in mice. <i>Neuropharmacology</i> , 2016, 110, 143-153.	2.0	49
11	Carbon Dioxide as a Solubility "Switch" for the Reversible Dissolution of Highly Fluorinated Complexes and Reagents in Organic Solvents: A Application to Crystallization. <i>Inorganic Chemistry</i> , 2002, 41, 3463-3468.	1.9	48
12	Structural analysis of prion proteins by means of drift cell and traveling wave ion mobility mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 845-854.	1.2	47
13	Supramolecular Modification of Ion Chemistry: Modulation of Peptide Charge State and Dissociation Behavior through Complexation with Cucurbit[n]uril (n = 5, 6) or $\alpha$ -Cyclodextrin. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1508-1517.	1.1	41
14	Thermolytic Degradation of Synthetic Cannabinoids: Chemical Exposures and Pharmacological Consequences. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 361, 162-171.	1.3	41
15	Use of SPME-HS-GC-MS for the Analysis of Herbal Products Containing Synthetic Cannabinoids. <i>Journal of Analytical Toxicology</i> , 2012, 36, 293-302.	1.7	32
16	Effects of $\alpha$ -Pyrrolidinopentiophenone and 4-Methyl-N-Ethylcathinone, Two Synthetic Cathinones Commonly Found in Second-Generation "Bath Salts," on Intracranial Self-Stimulation Thresholds in Rats. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu014-pyu014.	1.0	30
17	Conformational Stability of Syrian Hamster Prion Protein PrP(90 $\sim$ 231). <i>Journal of the American Chemical Society</i> , 2010, 132, 8816-8818.	6.6	29
18	Identification of Eight Synthetic Cannabinoids, Including 5F-AKB48 in Seized Herbal Products Using DART-TOF-MS and LC-QTOF-MS as Nontargeted Screening Methods. <i>Journal of Forensic Sciences</i> , 2017, 62, 91151-1158.	0.9	20

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19	Evaluation of Laser Diode Thermal Desorption–Tandem Mass Spectrometry (LDTD–MS-MS) in Forensic Toxicology. <i>Journal of Analytical Toxicology</i> , 2014, 38, 528-535.	1.7	14
20	Development of a Quantitative LC–MS-MS Assay for Codeine, Morphine, 6-Acetylmorphine, Hydrocodone, Hydromorphone, Oxycodone and Oxymorphone in Neat Oral Fluid. <i>Journal of Analytical Toxicology</i> , 2018, 42, 392-399.	1.7	14
21	Microwave synthesis of 1-aryl-1H-pyrazole-5-amines. <i>Tetrahedron Letters</i> , 2019, 60, 72-74.	0.7	14
22	Detection and quantification of codeine-6-glucuronide, hydromorphone-3-glucuronide, oxymorphone-3-glucuronide, morphine 3-glucuronide and morphine-6-glucuronide in human hair from opioid users by LC–MS-MS. <i>Journal of Analytical Toxicology</i> , 2018, 42, 115-125.	1.7	12
23	In vitro and in vivo pharmacological evaluation of the synthetic cannabinoid receptor agonist EG-018. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 193, 172918.	1.3	11
24	Benzodiazepines reported in NFLIS-Drug, 2015 to 2018. <i>Forensic Science International (Online)</i> , 2021, 3, 100138.	0.6	11
25	Analytical surveillance of emerging drugs of abuse and drug formulations. <i>Life Sciences</i> , 2013, 92, 512-519.	2.0	10
26	Medullary Endocannabinoids Contribute to the Differential Resting Baroreflex Sensitivity in Rats with Altered Brain Renin-Angiotensin System Expression. <i>Frontiers in Physiology</i> , 2016, 7, 207.	1.3	9
27	Alterations in the Medullary Endocannabinoid System Contribute to Age-related Impairment of Baroreflex Sensitivity. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 473-479.	0.8	6
28	Cannabinoid Designer Drugs: Effects and Forensics. , 2014, , 710-730.		2