

Matthew W Forbes

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,021
citations

566801

15
h-index

752256

20
g-index

23
all docs

23
docs citations

23
times ranked

1135
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared Spectroscopy of Arginine Cation Complexes: Direct Observation of Gas-Phase Zwitterions. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11759-11770.	1.1	171
2	Deactivation Pathways of an Isolated Green Fluorescent Protein Model Chromophore Studied by Electronic Action Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 17038-17039.	6.6	127
3	Infrared Spectroscopy of Cationized Lysine and μ -N-methyllysine in the Gas Phase: Effects of Alkali-Metal Ion Size and Proton Affinity on Zwitterion Stability. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7753-7760.	1.1	108
4	Kinetics and Products from Heterogeneous Oxidation of Squalene with Ozone. <i>Environmental Science & Technology</i> , 2016, 50, 11688-11697.	4.6	80
5	Gas-phase fluorescence excitation and emission spectroscopy of mass-selected trapped molecular ions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2590.	1.3	75
6	Gas-Phase Fluorescence Excitation and Emission Spectroscopy of Three Xanthene Dyes (Rhodamine 575, Rhodamine 6G, Rhodamine 123). <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 93-109.	1.2	71
7	Rapid Oxidation of Skin Oil by Ozone. <i>Environmental Science and Technology Letters</i> , 2016, 3, 170-174.	3.9	66
8	Simulation of ion trajectories in a quadrupole ion trap: a comparison of three simulation programs. <i>International Journal of Mass Spectrometry</i> , 1999, 34, 1219-1239.		56
9	Application of Direct Analysis in Real Time-Mass Spectrometry (DART-MS) to the Study of Gas-Phase Surface Heterogeneous Reactions: Focus on Ozone and PAHs. <i>Analytical Chemistry</i> , 2015, 87, 4733-4740.	3.2	43
10	Photofragmentation of and electron photodetachment from a GFP model chromophore in a quadrupole ion trap. <i>International Journal of Mass Spectrometry</i> , 2011, 308, 155-166.	0.7	41
11	A comparison of data analysis methods for determining gas phase stabilities by CID: Alkali metal complexes of polyether ionophore antibiotics. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 779-791.	1.2	32
12	Reaction of Condensed-Phase Criegee Intermediates with Carboxylic Acids and Perfluoroalkyl Carboxylic Acids. <i>Environmental Science and Technology Letters</i> , 2019, 6, 243-250.	3.9	27
13	Optimizing the Photocontrol of bZIP Coiled Coils with Azobenzene Crosslinkers: Role of the Crosslinking Site. <i>ChemBioChem</i> , 2015, 16, 1757-1763.	1.3	24
14	Isolation of Living Conjugated Polymer Chains. <i>Journal of the American Chemical Society</i> , 2020, 142, 11244-11251.	6.6	22
15	Fragmentation of protonated dipeptides containing arginine. Effect of activation method. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1959-1966.	1.2	21
16	Epoxide formation from heterogeneous oxidation of benzo[a]pyrene with gas-phase ozone and indoor air. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1292-1299.	1.7	18
17	Periodicity in collision-induced and remote-bond activation of alkali metal ions attached to polyether ionophores. <i>Analyst</i> , 2005, 130, 508.	1.7	15
18	Twisted amide electrophiles enable cyclic peptide sequencing. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7384-7388.	1.5	9

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19	Synthesis and Spectral Electrochemical Properties of a Symmetrical Tin-Bridged [3.3]Ferrocenophane. <i>Organometallics</i> , 2013, 32, 2893-2901.	1.1	8
20	Ligand-based molecular recognition and dioxygen splitting: an endo epoxide ending. <i>Dalton Transactions</i> , 2014, 43, 4137-4145.	1.6	4
21	Scratching the Surface (Modification): Developing a Quantitative Liquid Chromatography-Tandem Mass Spectrometry Method for the Investigation of PEGylated and Non-PEGylated Lipid Mixtures on Lipid-Coated Lanthanide Nanoparticles. <i>Langmuir</i> , 2021, 37, 14605-14613.	1.6	3
22	Site-Specific Conjugation of Metal-Chelating Polymers to Anti-Frizzled-2 Antibodies via Microbial Transglutaminase. <i>Biomacromolecules</i> , 2021, 22, 2491-2504.	2.6	0