

Mark E Bier

List of Publications by Year in descending order

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26
papers

1,194
citations

471509

17
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580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1552
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometry of Au ₁₀ (4- <i>tert</i> -butylbenzenethiolate) ₁₀ Nanoclusters Using Superconducting Tunnel Junction Cryodetection Reveals Distinct Metastable Fragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 521-529.	2.8	3
2	Anatomy of Protein Electrospray Ionization Mass Spectra by Superconducting Tunnel Junction Mass and Energy Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 5284-5292.	6.5	3
3	Mechanospray Ionization MS of Proteins Including in the Folded State and Polymers. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 772-782.	2.8	4
4	Characterization of Mega-Dalton-Sized Nanoparticles by Superconducting Tunnel Junction Cryodetection Mass Spectrometry. <i>ACS Nano</i> , 2018, 12, 2591-2602.	14.6	19
5	Characterization of ZnO Nanoparticles using Superconducting Tunnel Junction Cryodetection Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1160-1165.	2.8	10
6	Determination of Iron Content and Dispersity of Intact Ferritin by Superconducting Tunnel Junction Cryodetection Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 8985-8993.	6.5	27
7	Crystal Structures of Au ₂ Complex and Au ₂₅ Nanocluster and Mechanistic Insight into the Conversion of Polydisperse Nanoparticles into Monodisperse Au ₂₅ Nanoclusters. <i>Inorganic Chemistry</i> , 2011, 50, 10735-10739.	4.0	106
8	Sequential Observation of Ag _n S ₄ ⁺ (1 ≤ n ≤ 7) Gas Phase Clusters in MS/MS and Prediction of Their Structures. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1423-1427.	4.6	35
9	High Yield, Large Scale Synthesis of Thiolate-Protected Ag ₇ Clusters. <i>Journal of the American Chemical Society</i> , 2009, 131, 16672-16674.	13.7	274
10	Conversion of Polydisperse Au Nanoparticles into Monodisperse Au ₂₅ Nanorods and Nanospheres. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17599-17603.	3.1	97
11	The analysis of polystyrene and polystyrene aggregates into the mega dalton mass range by cryodetection MALDI TOF MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 219-230.	2.8	59
12	Active Learning Using the Virtual Mass Spectrometry Laboratory. <i>ACS Symposium Series</i> , 2007, , 171-187.	0.5	2
13	An electrospray membrane probe for the analysis of volatile and semi-volatile organic compounds in water. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 413-420.	1.5	19
14	Synthesis, Photophysical, Photochemical and Biological Properties of Caged GABA, 4-[[[(2H-1-Benzopyran-2-one-7-amino-4-methoxy) carbonyl] amino] Butanoic Acid]. <i>Photochemistry and Photobiology</i> , 2005, 81, 641.	2.5	37
15	A laser desorption ionization mass spectrometry investigation of triarylboranes and tri-9-anthrylborane photolysis products. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 962-971.	1.8	6
16	Investigation of the Rapid Scan on an Electrospray Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2005, 77, 1663-1671.	6.5	12
17	Quadruplex Formation by a Guanine-Rich PNA Oligomer. <i>Journal of the American Chemical Society</i> , 2005, 127, 4199-4207.	13.7	65
18	Perlecan and its immunoglobulin like domain IV are abundant in vitreous and serum of the chick embryo. <i>Matrix Biology</i> , 2004, 23, 143-152.	3.6	11

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19	Dual G1 and G2 Phase Inhibition by a Novel, Selective Cdc25 Inhibitor 7-Chloro-6-(2-morpholin-4-ylethylamino)- quinoline-5,8-dione. Journal of Biological Chemistry, 2002, 277, 46877-46885.	3.4	80
20	Expression of basal lamina protein mRNAs in the early embryonic chick eye. Journal of Comparative Neurology, 2002, 447, 261-273.	1.6	36
21	Temporary Disruption of the Retinal Basal Lamina and Its Effect on Retinal Histogenesis. Developmental Biology, 2001, 238, 79-96.	2.0	41
22	Turnover of Phosphatidylcholine in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 3756-3763.	3.4	104
23	Analysis of Proteins by Mass Spectrometry. , 2001, , .		0
24	Matrix-assisted laser desorption of peptides and proteins using a quadrupole ion trap mass spectrometer. Rapid Communications in Mass Spectrometry, 1993, 7, 27-32.	1.5	45
25	Tandem mass spectrometry using an in-line ion-surface collision device. International Journal of Mass Spectrometry and Ion Processes, 1990, 103, 1-19.	1.8	39
26	Internal energy requirements for remote site fragmentation. Organic Mass Spectrometry, 1988, 23, 627-633.	1.3	60