

# Steven J Bark

## List of Publications by Year in descending order

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35  
papers

1,248  
citations

471509

17  
h-index

377865

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1808  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extending the Applicability of Native Chemical Ligation. <i>Journal of the American Chemical Society</i> , 1996, 118, 5891-5896.	13.7	264
2	Proteases for Processing Proneuropeptides into Peptide Neurotransmitters and Hormones. <i>Annual Review of Pharmacology and Toxicology</i> , 2008, 48, 393-423.	9.4	215
3	Extent of the Oxidative Side Reactions to Peptides and Proteins During the CuAAC Reaction. <i>Bioconjugate Chemistry</i> , 2016, 27, 2315-2322.	3.6	71
4	A new scaffold for amide ligation. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2323-2328.	3.0	67
5	Proteomic Analysis of Human Immunodeficiency Virus Using Liquid Chromatography/Tandem Mass Spectrometry Effectively Distinguishes Specific Incorporated Host Proteins. <i>Journal of Proteome Research</i> , 2006, 5, 530-538.	3.7	66
6	NeuroPedia: neuropeptide database and spectral library. <i>Bioinformatics</i> , 2011, 27, 2772-2773.	4.1	63
7	Twenty-Five Years of Investigating the Universal Stress Protein: Function, Structure, and Applications. <i>Advances in Applied Microbiology</i> , 2018, 102, 1-36.	2.4	54
8	Secretory vesicle aminopeptidase B related to neuropeptide processing: molecular identification and subcellular localization to enkephalin- and NPY-containing chromaffin granules. <i>Journal of Neurochemistry</i> , 2007, 100, 1340-1350.	3.9	51
9	Proteomics of Dense Core Secretory Vesicles Reveal Distinct Protein Categories for Secretion of Neuroeffectors for Cell-Cell Communication. <i>Journal of Proteome Research</i> , 2010, 9, 5002-5024.	3.7	48
10	High-Temperature Protein Mass Mapping Using a Thermophilic Protease. <i>Journal of the American Chemical Society</i> , 2001, 123, 1774-1775.	13.7	36
11	Differential Recovery of Peptides from Sample Tubes and the Reproducibility of Quantitative Proteomic Data. <i>Journal of Proteome Research</i> , 2007, 6, 4511-4516.	3.7	31
12	Mass Spectrometry-Based Neuropeptidomics of Secretory Vesicles from Human Adrenal Medullary Pheochromocytoma Reveals Novel Peptide Products of Prohormone Processing. <i>Journal of Proteome Research</i> , 2010, 9, 5065-5075.	3.7	29
13	Detecting low-abundance vasoactive peptides in plasma: Progress toward absolute quantitation using nano liquid chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2009, 394, 164-170.	2.4	27
14	A Proteomic Signature of Dormancy in the Actinobacterium <i>Micrococcus luteus</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	2.2	24
15	A Highly Efficient Method for Site-Specific Modification of Unprotected Peptides after Chemical Synthesis. <i>Journal of the American Chemical Society</i> , 2000, 122, 3567-3573.	13.7	23
16	Neuropeptidomic Components Generated by Proteomic Functions in Secretory Vesicles for Cell-Cell Communication. <i>AAPS Journal</i> , 2010, 12, 635-645.	4.4	23
17	All Four Homochiral Enantiomers of a Nuclear Localization Sequence Derived from c-Myc Serve as Functional Import Signals. <i>Journal of Biological Chemistry</i> , 1998, 273, 29764-29769.	3.4	22
18	Engineering an unnatural N <sup>1±</sup> -anchored disulfide into BPTI by total chemical synthesis: structural and functional consequences. <i>FEBS Letters</i> , 1999, 460, 67-76.	2.8	16

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19	Fluorescent Indicators of Peptide Cleavage in the Trafficking Compartments of Living Cells: Peptides Site-Specifically Labeled with Two Dyes. <i>Methods</i> , 2000, 20, 429-435.	3.8	14
20	Linear and accurate quantitation of proenkephalin-derived peptides by isotopic labeling with internal standards and mass spectrometry. <i>Analytical Biochemistry</i> , 2009, 389, 18-26.	2.4	12
21	A Universal Stress Protein That Controls Bacterial Stress Survival in <i>Micrococcus luteus</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	12
22	The Protein Architecture of Human Secretory Vesicles Reveals Differential Regulation of Signaling Molecule Secretion by Protein Kinases. <i>PLoS ONE</i> , 2012, 7, e41134.	2.5	11
23	Insights into the anti-angiogenic properties of phosphaplatins. <i>Journal of Inorganic Biochemistry</i> , 2016, 164, 5-16.	3.5	10
24	Engineered Chymotrypsin for Mass Spectrometry-Based Detection of Protein Glycosylation. <i>ACS Chemical Biology</i> , 2019, 14, 2616-2628.	3.4	10
25	Human mesenchymal stem cell based intracellular dormancy model of <i>Mycobacterium tuberculosis</i> . <i>Microbes and Infection</i> , 2020, 22, 423-431.	1.9	9
26	Enhancing MALDI Time-Of-Flight Mass Spectrometer Performance through Spectrum Averaging. <i>PLoS ONE</i> , 2015, 10, e0120932.	2.5	8
27	Observations on different resin strategies for affinity purification mass spectrometry of a tagged protein. <i>Analytical Biochemistry</i> , 2016, 515, 26-32.	2.4	7
28	Solid support resins and affinity purification mass spectrometry. <i>Molecular BioSystems</i> , 2017, 13, 456-462.	2.9	7
29	Formaldehyde scavengers function as novel antigen retrieval agents. <i>Scientific Reports</i> , 2015, 5, 17322.	3.3	6
30	A color-based competition assay for studying bacterial stress responses in <i>Micrococcus luteus</i> . <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	5
31	The future of proteomic analysis in biological systems and molecular medicine. <i>Molecular BioSystems</i> , 2007, 3, 14-17.	2.9	3
32	Discovery of vascular Rho kinase (ROCK) inhibitory peptides. <i>Experimental Biology and Medicine</i> , 2019, 244, 940-951.	2.4	2
33	Proteomic Analysis of Human Immunodeficiency Virus Using Liquid Chromatography/Tandem Mass Spectrometry Effectively Distinguishes Specific Incorporated Host Proteins]. <i>Proteome Res.</i> 2006,3, 530-538. <i>Journal of Proteome Research</i> , 2006, 5, 1279-1279.	3.7	1
34	Functional and structural characterization of Hyp730, a highly conserved and dormancy-specific hypothetical membrane protein. <i>MicrobiologyOpen</i> , 2021, 10, e1154.	3.0	1
35	Identification of Protein Complexes in mAKAP Signalosome by Mass Spectrometry. <i>FASEB Journal</i> , 2015, 29, 1025.2.	0.5	0