

David P Smith

List of Publications by Year in descending order

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33
papers

1,795
citations

430442

18
h-index

454577

30
g-index

35
all docs

35
docs citations

35
times ranked

2385
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering Drift Time Measurements from Travelling Wave Ion Mobility Spectrometry-Mass Spectrometry Studies. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 113-130.	0.5	312
2	Dopamine promotes α -synuclein aggregation into SDS-resistant soluble oligomers via a distinct folding pathway. <i>FASEB Journal</i> , 2005, 19, 1377-1379.	0.2	239
3	Concentration Dependent Cu ²⁺ -Induced Aggregation and Dityrosine Formation of the Alzheimer's Disease Amyloid- β Peptide. <i>Biochemistry</i> , 2007, 46, 2881-2891.	1.2	179
4	Copper-mediated Amyloid- β Toxicity Is Associated with an Intermolecular Histidine Bridge*. <i>Journal of Biological Chemistry</i> , 2006, 281, 15145-15154.	1.6	170
5	Elongated oligomers in α -microglobulin amyloid assembly revealed by ion mobility spectrometry-mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6794-6798.	3.3	147
6	A Systematic Investigation into the Effect of Protein Destabilisation on Beta 2-Microglobulin Amyloid Formation. <i>Journal of Molecular Biology</i> , 2003, 330, 943-954.	2.0	140
7	Monitoring copopulated conformational states during protein folding events using electrospray ionization-ion mobility spectrometry-mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 2180-2190.	1.2	122
8	Role of the single disulphide bond of α 2-microglobulin in amyloidosis in vitro. <i>Protein Science</i> , 2001, 10, 1775-1784.	3.1	73
9	Formation of a High Affinity Lipid-Binding Intermediate during the Early Aggregation Phase of α -Synuclein. <i>Biochemistry</i> , 2008, 47, 1425-1434.	1.2	62
10	Characterization of an Aggregated Three-Dimensional Cell Culture Model by Multimodal Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2020, 92, 12538-12547.	3.2	39
11	Uncovering protein structure. <i>Essays in Biochemistry</i> , 2020, 64, 649-680.	2.1	39
12	Distinct higher-order α -synuclein oligomers induce intracellular aggregation. <i>Biochemical Journal</i> , 2015, 468, 485-493.	1.7	34
13	Binding of Dopamine to Alpha-Synuclein is Mediated by Specific Conformational States. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1346-1354.	1.2	31
14	Recapitulating Parkinson's disease pathology in a three-dimensional human neural cell culture model. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	31
15	Structure and Dynamics of Oligomeric Intermediates in α 2-Microglobulin Self-Assembly. <i>Biophysical Journal</i> , 2011, 101, 1238-1247.	0.2	25
16	Electrochemical Detection of Prostate Cancer Biomarker PCA3 Using Specific RNA-Based Aptamer Labelled with Ferrocene. <i>Chemosensors</i> , 2021, 9, 59.	1.8	23
17	Mass spectrometry imaging of endogenous metabolites in response to doxorubicin in a novel 3D osteosarcoma cell culture model. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4461.	0.7	22
18	Trifluoromethyl diazirine: an effective photo-induced cross-linking probe for exploring amyloid formation. <i>Chemical Communications</i> , 2008, , 5728.	2.2	19

#	ARTICLE	IF	CITATIONS
19	The Division of Amyloid Fibrils: Systematic Comparison of Fibril Fragmentation Stability by Linking Theory with Experiments. IScience, 2020, 23, 101512.	1.9	16
20	Role of MALDI-MSI in combination with 3D tissue models for early stage efficacy and safety testing of drugs and toxicants. Expert Review of Proteomics, 2020, 17, 827-841.	1.3	15
21	Who goes where? The importance of peer groups on attainment and the student use of the lecture theatre teaching space. FEBS Open Bio, 2018, 8, 1368-1378.	1.0	8
22	Novel 1-hydroxypyridin-2-one metal chelators prevent and rescue ubiquitin proteasomal-related neuronal injury in an in vitro model of Parkinson's disease. Archives of Toxicology, 2020, 94, 813-831.	1.9	8
23	Analysis of Toxic Amyloid Fibril Interactions at Natively Derived Membranes by Ellipsometry. PLoS ONE, 2015, 10, e0132309.	1.1	6
24	Self-selecting peer groups formed within the laboratory environment have a lasting effect on individual student attainment and working practices. FEBS Open Bio, 2020, 10, 1194-1209.	1.0	6
25	Optimization of Apta-Sensing Platform for Detection of Prostate Cancer Marker PCA3. International Journal of Molecular Sciences, 2021, 22, 12701.	1.8	5
26	Comparison of Osteosarcoma Aggregated Tumour Models with Human Tissue by Multimodal Mass Spectrometry Imaging. Metabolites, 2021, 11, 506.	1.3	4
27	Bringing experiential learning into the lecture theatre using 3D printed objects. F1000Research, 2016, 5, 61.	0.8	4
28	Engagement with video content in the blended classroom. Essays in Biochemistry, 2022, 66, 5-10.	2.1	4
29	Spectroscopic Ellipsometry Detection of Prostate Cancer Bio-Marker PCA3 Using Specific Non-Labeled Aptamer: Comparison with Electrochemical Detection. , 2021, 5, .		3
30	Comparative Analysis of the Relative Fragmentation Stabilities of Polymorphic Alpha-Synuclein Amyloid Fibrils. Biomolecules, 2022, 12, 630.	1.8	3
31	Evidencing your lifelong learning with e-Portfolio. Biochemist, 2018, 40, 22-24.	0.2	2
32	Detection of Prostate Cancer Biomarker PCA3 with Electrochemical Apta-Sensor. , 2022, 16, .		2
33	From native state to amyloid; an investigation into partial unfolding of β -2-microglobulin. Biochemical Society Transactions, 2000, 28, A68-A68.	1.6	0