Kirsten J Lampi

List of Publications by Year
in descending order

29 papers	1,802 citations	331670 21 h-index	526287 27 g-index
32 all docs	32 docs citations	32 times ranked	885 citing authors

#	Article	IF	Citations
1	Cumulative deamidations of the major lens protein <scp>Î³S</scp>â€crystallin increase its aggregation during unfolding and oxidation. Protein Science, 2020, 29, 1945-1963.	7.6	25
2	Altered Protein Dynamics and Increased Aggregation of Human Î³S-Crystallin Due to Cataract-Associated Deamidations. Biochemistry, 2019, 58, 4112-4124.	2.5	30
3	Differences in solution dynamics between lens Î²-crystallin homodimers and heterodimers probed by hydrogenâ€“deuterium exchange and deamidation. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 304-314.	2.4	14
4	Lens Î²-crystallins: The role of deamidation and related modifications in aging and cataract. Progress in Biophysics and Molecular Biology, 2014, 115, 21-31.	2.9	115
5	Changes in solvent accessibility of wild-type and deamidated Î²B2-crystallin following complex formation with Î±A-crystallin. Experimental Eye Research, 2012, 104, 48-58.	2.6	17
6	Ubiquitin Proteasome Pathwayâ€“Mediated Degradation of Proteins: Effects Due to Site-Specific Substrate Deamidation. , 2010, 51, 4164.		30
7	Aggregation of deamidated human Î²B2-crystallin and incomplete rescue by Î±-crystallin chaperone. Experimental Eye Research, 2010, 90, 688-698.	2.6	28
8	Solvent accessibility of Î²B2-crystallin and local structural changes due to deamidation at the dimer interface. Experimental Eye Research, 2010, 91, 336-346.	2.6	16
9	Deamidation alters interactions of beta-crystallins in hetero-oligomers. Molecular Vision, 2009, 15, 241-9.	1.1	25
10	Deamidation destabilizes and triggers aggregation of a lens protein, Î²A3â€crystallin. Protein Science, 2008, 17, 1565-1575.	7.6	115
11	Associations of Seroreactivity against Crystallin Proteins with Disease Activity and Cataract in Patients with Uveitis. , 2008, 49, 4476.		14
12	Tissue transglutaminase catalyzes the deamidation of glutamines in lens Î²B2- and Î²B3-crystallins. Experimental Eye Research, 2008, 86, 383-393.	2.6	19
13	Differential Binding of Mutant (R116C) and Wildtype AlphaA Crystallin to Actin. Current Eye Research, 2007, 32, 1051-1054.	1.5	21
14	Deamidation Alters the Structure and Decreases the Stability of Human Lens Î²Î³3-Crystallin. Biochemistry, 2007, 46, 8861-8871.	2.5	59
15	Deamidation in Human Lens Î²B2-Crystallin Destabilizes the Dimer. Biochemistry, 2006, 45, 3146-3153.	2.5	86
16	Measurement of deamidation of intact proteins by isotopic envelope and mass defect with ion cyclotron resonance Fourier transform mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 3535-3541.	1.5	36
17	Quantitative measurement of young human eye lens crystallins by direct injection Fourier transform ion cyclotron resonance mass spectrometry. Molecular Vision, 2006, 12, 704-11.	1.1	44
18	Quantitative measurement of deamidation in lens betaB2-crystallin and peptides by direct electrospray injection and fragmentation in a Fourier transform mass spectrometer. Molecular Vision, 2005, 11, 1211-9.	1.1	25

#	Article	IF	Citations
19	Laser light-scattering evidence for an altered association of ÂB1-crystallin deamidated in the connecting peptide. Protein Science, 2004, 13, 678-686.	7.6	35
20	Deamidation, but Not Truncation, Decreases the Urea Stability of a Lens Structural Protein, Î²B1-Crystallin. Biochemistry, 2002, 41, 14076-14084.	2.5	69
21	A Nonsense Mutation in CRYBB1 Associated with Autosomal Dominant Cataract Linked to Human Chromosome 22q. American Journal of Human Genetics, 2002, 71, 1216-1221.	6.2	105
22	Lens proteomics: analysis of rat crystallin sequences and two-dimensional electrophoresis map. Investigative Ophthalmology and Visual Science, 2002, 43, 216-24.	3.3	58
23	Decreased heat stability and increased chaperone requirement of modified human betaB1-crystallins. Molecular Vision, 2002, 8, 359-66.	1.1	42
24	Deamidation of Human Î²B1 Alters the Elongated Structure of the Dimer. Experimental Eye Research, 2001, 72, 279-288.	2.6	73
25	Proteolysis by m-calpain enhances in vitro light scattering by crystallins from human and bovine lenses. Current Eye Research, 2001, 22, 458-469.	1.5	31
26	Age-related Changes in Human Lens Crystallins Identified by Two-dimensional Electrophoresis and Mass Spectrometry. Experimental Eye Research, 1998, 67, 31-43.	2.6	255
27	Age-Related Changes in Human Lens Crystallins Identified by HPLC and Mass Spectrometry. Experimental Eye Research, 1998, 67, 21-30.	2.6	172
28	Sequence Analysis of Î²A3, Î²B3, and Î²A4 Crystallins Completes the Identification of the Major Proteins in Young Human Lens. Journal of Biological Chemistry, 1997, 272, 2268-2275.	3.4	187
29	The Sequence of Human Î²B1-Crystallin cDNA Allows Mass Spectrometric Detection of Î²B1 Protein Missing Portions of Its N-terminal Extension. Journal of Biological Chemistry, 1996, 271, 4273-4279.	3.4	54