

Kirsten J Lampi

List of Publications by Year in descending order

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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	Age-related Changes in Human Lens Crystallins Identified by Two-dimensional Electrophoresis and Mass Spectrometry. <i>Experimental Eye Research</i> , 1998, 67, 31-43.	2.6	255
2	Sequence Analysis of β A3, β B3, and β A4 Crystallins Completes the Identification of the Major Proteins in Young Human Lens. <i>Journal of Biological Chemistry</i> , 1997, 272, 2268-2275.	3.4	187
3	Age-Related Changes in Human Lens Crystallins Identified by HPLC and Mass Spectrometry. <i>Experimental Eye Research</i> , 1998, 67, 21-30.	2.6	172
4	Deamidation destabilizes and triggers aggregation of a lens protein, β A3-crystallin. <i>Protein Science</i> , 2008, 17, 1565-1575.	7.6	115
5	Lens β -crystallins: The role of deamidation and related modifications in aging and cataract. <i>Progress in Biophysics and Molecular Biology</i> , 2014, 115, 21-31.	2.9	115
6	A Nonsense Mutation in CRYBB1 Associated with Autosomal Dominant Cataract Linked to Human Chromosome 22q. <i>American Journal of Human Genetics</i> , 2002, 71, 1216-1221.	6.2	105
7	Deamidation in Human Lens β B2-Crystallin Destabilizes the Dimer. <i>Biochemistry</i> , 2006, 45, 3146-3153.	2.5	86
8	Deamidation of Human β B1 Alters the Elongated Structure of the Dimer. <i>Experimental Eye Research</i> , 2001, 72, 279-288.	2.6	73
9	Deamidation, but Not Truncation, Decreases the Urea Stability of a Lens Structural Protein, β B1-Crystallin. <i>Biochemistry</i> , 2002, 41, 14076-14084.	2.5	69
10	Deamidation Alters the Structure and Decreases the Stability of Human Lens β B3-Crystallin. <i>Biochemistry</i> , 2007, 46, 8861-8871.	2.5	59
11	Lens proteomics: analysis of rat crystallin sequences and two-dimensional electrophoresis map. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 216-24.	3.3	58
12	The Sequence of Human β B1-Crystallin cDNA Allows Mass Spectrometric Detection of β B1 Protein Missing Portions of Its N-terminal Extension. <i>Journal of Biological Chemistry</i> , 1996, 271, 4273-4279.	3.4	54
13	Quantitative measurement of young human eye lens crystallins by direct injection Fourier transform ion cyclotron resonance mass spectrometry. <i>Molecular Vision</i> , 2006, 12, 704-11.	1.1	44
14	Decreased heat stability and increased chaperone requirement of modified human betaB1-crystallins. <i>Molecular Vision</i> , 2002, 8, 359-66.	1.1	42
15	Measurement of deamidation of intact proteins by isotopic envelope and mass defect with ion cyclotron resonance Fourier transform mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3535-3541.	1.5	36
16	Laser light-scattering evidence for an altered association of β B1-crystallin deamidated in the connecting peptide. <i>Protein Science</i> , 2004, 13, 678-686.	7.6	35
17	Proteolysis by m-calpain enhances in vitro light scattering by crystallins from human and bovine lenses. <i>Current Eye Research</i> , 2001, 22, 458-469.	1.5	31
18	Ubiquitin Proteasome Pathway-Mediated Degradation of Proteins: Effects Due to Site-Specific Substrate Deamidation. , 2010, 51, 4164.		30

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19	Altered Protein Dynamics and Increased Aggregation of Human γ -Crystallin Due to Cataract-Associated Deamidations. <i>Biochemistry</i> , 2019, 58, 4112-4124.	2.5	30
20	Aggregation of deamidated human β 2-crystallin and incomplete rescue by α -crystallin chaperone. <i>Experimental Eye Research</i> , 2010, 90, 688-698.	2.6	28
21	Cumulative deamidations of the major lens protein γ -crystallin increase its aggregation during unfolding and oxidation. <i>Protein Science</i> , 2020, 29, 1945-1963.	7.6	25
22	Quantitative measurement of deamidation in lens betaB2-crystallin and peptides by direct electrospray injection and fragmentation in a Fourier transform mass spectrometer. <i>Molecular Vision</i> , 2005, 11, 1211-9.	1.1	25
23	Deamidation alters interactions of beta-crystallins in hetero-oligomers. <i>Molecular Vision</i> , 2009, 15, 241-9.	1.1	25
24	Differential Binding of Mutant (R116C) and Wildtype AlphaA Crystallin to Actin. <i>Current Eye Research</i> , 2007, 32, 1051-1054.	1.5	21
25	Tissue transglutaminase catalyzes the deamidation of glutamines in lens β 2- and β 3-crystallins. <i>Experimental Eye Research</i> , 2008, 86, 383-393.	2.6	19
26	Changes in solvent accessibility of wild-type and deamidated β 2-crystallin following complex formation with α -crystallin. <i>Experimental Eye Research</i> , 2012, 104, 48-58.	2.6	17
27	Solvent accessibility of β 2-crystallin and local structural changes due to deamidation at the dimer interface. <i>Experimental Eye Research</i> , 2010, 91, 336-346.	2.6	16
28	Associations of Seroreactivity against Crystallin Proteins with Disease Activity and Cataract in Patients with Uveitis. , 2008, 49, 4476.		14
29	Differences in solution dynamics between lens β -crystallin homodimers and heterodimers probed by hydrogen-deuterium exchange and deamidation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 304-314.	2.4	14