

Jan J Enghild

List of Publications by Year in descending order

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278
papers

13,367
citations

23567

58
h-index

32842

100
g-index

288
all docs

288
docs citations

288
times ranked

14574
citing authors

#	ARTICLE	IF	CITATIONS
1	Huntingtin and DRPLA proteins selectively interact with the enzyme GAPDH. <i>Nature Medicine</i> , 1996, 2, 347-350.	30.7	429
2	Mechanisms of activation of tissue procollagenase by matrix metalloproteinase 3 (stromelysin). <i>Biochemistry</i> , 1990, 29, 10261-10270.	2.5	419
3	Matrix metalloproteinase 2 from human rheumatoid synovial fibroblasts. <i>FEBS Journal</i> , 1990, 194, 721-730.	0.2	386
4	Stepwise activation mechanisms of the precursor of matrix metalloproteinase 3 (stromelysin) by proteinases and (4-aminophenyl)mercuric acetate. <i>Biochemistry</i> , 1990, 29, 5783-5789.	2.5	375
5	Degradation of Interleukin 1 β by Matrix Metalloproteinases. <i>Journal of Biological Chemistry</i> , 1996, 271, 14657-14660.	3.4	326
6	Functional amyloid in <i>Pseudomonas</i> . <i>Molecular Microbiology</i> , 2010, 77, 1009-1020.	2.5	256
7	Spider genomes provide insight into composition and evolution of venom and silk. <i>Nature Communications</i> , 2014, 5, 3765.	12.8	235
8	Proteolytic Activities of Human ADAMTS-5. <i>Journal of Biological Chemistry</i> , 2007, 282, 18294-18306.	3.4	225
9	Analysis of the plasma elimination kinetics and conformational stabilities of native, proteinase-complexed and reactive site cleaved serpins: comparison of .alpha.1-proteinase inhibitor, .alpha.1-antichymotrypsin, antithrombin III, .alpha.2-antiplasmin, angiotensinogen, and ovalbumin. <i>Biochemistry</i> , 1991, 30, 1723-1730.	2.5	224
10	Desmosome Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 23778-23784.	3.4	220
11	The Role of Stable β -Synuclein Oligomers in the Molecular Events Underlying Amyloid Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 3859-3868.	13.7	218
12	Conformation of the reactive site loop of .alpha.1-proteinase inhibitor probed by limited proteolysis. <i>Biochemistry</i> , 1992, 31, 2720-2728.	2.5	207
13	Purification and Characterization of Mouse Soluble Receptor for Advanced Glycation End Products (sRAGE). <i>Journal of Biological Chemistry</i> , 2004, 279, 50019-50024.	3.4	190
14	Altered Proteolytic Activities of ADAMTS-4 Expressed by C-terminal Processing. <i>Journal of Biological Chemistry</i> , 2004, 279, 10109-10119.	3.4	187
15	Structural insights into triple-helical collagen cleavage by matrix metalloproteinase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12461-12466.	7.1	185
16	Substrate specificities and activation mechanisms of matrix metalloproteinases. <i>Biochemical Society Transactions</i> , 1991, 19, 715-718.	3.4	169
17	Comparative Properties of Two Cysteine Proteinases (Gingipains R), the Products of Two Related but Individual Genes of <i>Porphyromonas gingivalis</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 21648-21657.	3.4	155
18	Extracellular Superoxide Dismutase (EC-SOD) Binds to Type I Collagen and Protects Against Oxidative Fragmentation. <i>Journal of Biological Chemistry</i> , 2004, 279, 13705-13710.	3.4	153

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19	Template-directed covalent conjugation of DNA to native antibodies, transferrin and other metal-binding proteins. <i>Nature Chemistry</i> , 2014, 6, 804-809.	13.6	152
20	Mouse Extracellular Superoxide Dismutase: Primary Structure, Tissue-specific Gene Expression, Chromosomal Localization, and Lung <i>In Situ</i> Hybridization. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997, 17, 393-403.	2.9	139
21	Protein Structure of Fetal Antigen 1 (FA1). A Novel Circulating Human Epidermal-Growth-Factor-Like Protein Expressed in Neuroendocrine Tumors and its Relation to the Gene Products of Dlk and pG2. <i>FEBS Journal</i> , 1994, 225, 83-92.	0.2	136
22	Pigment-epithelium-derived factor (PEDF) occurs at a physiologically relevant concentration in human blood: purification and characterization. <i>Biochemical Journal</i> , 2003, 374, 199-206.	3.7	136
23	Dynamic protein coronas revealed as a modulator of silver nanoparticle sulphidation in vitro. <i>Nature Communications</i> , 2016, 7, 11770.	12.8	136
24	Antagonism between <i>Staphylococcus epidermidis</i> and <i>Propionibacterium acnes</i> and its genomic basis. <i>BMC Genomics</i> , 2016, 17, 152.	2.8	131
25	Mapping and identification of soft corona proteins at nanoparticles and their impact on cellular association. <i>Nature Communications</i> , 2020, 11, 4535.	12.8	122
26	Calbindin D28k Exhibits Properties Characteristic of a Ca ²⁺ Sensor. <i>Journal of Biological Chemistry</i> , 2002, 277, 16662-16672.	3.4	113
27	Enhanced bleomycin-induced pulmonary damage in mice lacking extracellular superoxide dismutase. <i>Free Radical Biology and Medicine</i> , 2003, 35, 763-771.	2.9	111
28	Human extracellular superoxide dismutase is a tetramer composed of two disulphide-linked dimers: a simplified, high-yield purification of extracellular superoxide dismutase. <i>Biochemical Journal</i> , 1996, 317, 51-57.	3.7	105
29	Human Procarboxypeptidase U, or Thrombin-activable Fibrinolysis Inhibitor, Is a Substrate for Transglutaminases. <i>Journal of Biological Chemistry</i> , 1998, 273, 27220-27224.	3.4	102
30	Angiostatin inhibits endothelial and melanoma cellular invasion by blocking matrix-enhanced plasminogen activation. <i>Biochemical Journal</i> , 1999, 340, 77-84.	3.7	101
31	Effects of metalloporphyrin catalytic antioxidants in experimental brain ischemia. <i>Free Radical Biology and Medicine</i> , 2002, 33, 947-961.	2.9	96
32	Proteomic Investigation of the Ventral Rat Hippocampus Links DRP-2 to Escitalopram Treatment Resistance and SNAP to Stress Resilience in the Chronic Mild Stress Model of Depression. <i>Journal of Molecular Neuroscience</i> , 2007, 32, 132-144.	2.3	93
33	Human Cornea Proteome: Identification and Quantitation of the Proteins of the Three Main Layers Including Epithelium, Stroma, and Endothelium. <i>Journal of Proteome Research</i> , 2012, 11, 4231-4239.	3.7	92
34	An unusual specificity in the activation of neutrophil serine proteinase zymogens. <i>Biochemistry</i> , 1990, 29, 5304-5308.	2.5	91
35	Proteomic analysis of pulmonary edema fluid and plasma in patients with acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L1095-L1104.	2.9	91
36	The Heparin-binding Domain of Extracellular Superoxide Dismutase Is Proteolytically Processed Intracellularly during Biosynthesis. <i>Journal of Biological Chemistry</i> , 1999, 274, 14818-14822.	3.4	90

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37	.alpha.-Macroglobulin from <i>Limulus polyphemus</i> exhibits proteinase inhibitory activity and participates in a hemolytic system. <i>Biochemistry</i> , 1990, 29, 10070-10080.	2.5	86
38	The Protein Composition of the Digestive Fluid from the Venus Flytrap Sheds Light on Prey Digestion Mechanisms. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1306-1319.	3.8	83
39	Peptidyl Arginine Deiminase from <i>Porphyromonas gingivalis</i> Abolishes Anaphylatoxin C5a Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 32481-32487.	3.4	83
40	STEEP mediates STING ER exit and activation of signaling. <i>Nature Immunology</i> , 2020, 21, 868-879.	14.5	82
41	Hydrogen peroxide induce modifications of human extracellular superoxide dismutase that results in enzyme inhibition. <i>Redox Biology</i> , 2013, 1, 24-31.	9.0	80
42	Prothrombin, Albumin and Immunoglobulin A form Covalent Complexes with alpha1-Microglobulin in Human Plasma. <i>FEBS Journal</i> , 1997, 245, 676-683.	0.2	76
43	The Proteome of Seed Development in the Model Legume <i>Lotus japonicus</i> . <i>Plant Physiology</i> , 2009, 149, 1325-1340.	4.8	76
44	Organization of the Inter-Î±-Inhibitor Heavy Chains on the Chondroitin Sulfate Originating from Ser10 of Bikunin:â€‰ Posttranslational Modification of Î±-Derived Bikunin. <i>Biochemistry</i> , 1999, 38, 11804-11813.	2.5	75
45	The Human Eye Proteome Project: Perspectives on an emerging proteome. <i>Proteomics</i> , 2013, 13, 2500-2511.	2.2	75
46	Species Differences Take Shape at Nanoparticles: Protein Corona Made of the Native Repertoire Assists Cellular Interaction. <i>Environmental Science & Technology</i> , 2013, 47, 14367-14375.	10.0	75
47	A conserved region in .alpha.-macroglobulins participates in binding to the mammalian .alpha.-macroglobulin receptor. <i>Biochemistry</i> , 1989, 28, 1406-1412.	2.5	71
48	The Paradigm That All Oxygen-Respiring Eukaryotes Have Cytosolic CuZn-Superoxide Dismutase and That Mn-Superoxide Dismutase Is Localized to the Mitochondria Does Not Apply to a Large Group of Marine Arthropods. <i>Biochemistry</i> , 1997, 36, 13381-13388.	2.5	71
49	Investigations on Collectin Liver 1. <i>Journal of Biological Chemistry</i> , 2013, 288, 23407-23420.	3.4	69
50	Altered expression of extracellular superoxide dismutase in mouse lung after bleomycin treatment. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1198-1207.	2.9	67
51	Incorporation of Pentraxin 3 into Hyaluronan Matrices Is Tightly Regulated and Promotes Matrix Cross-linking. <i>Journal of Biological Chemistry</i> , 2014, 289, 30481-30498.	3.4	67
52	Differential Regulation of Extracellular Tissue Inhibitor of Metalloproteinases-3 Levels by Cell Membrane-bound and Shed Low Density Lipoprotein Receptor-related Protein 1. <i>Journal of Biological Chemistry</i> , 2013, 288, 332-342.	3.4	64
53	Unconditioned commercial embryo culture media contain a large variety of non-declared proteins: a comprehensive proteomics analysis. <i>Human Reproduction</i> , 2014, 29, 2421-2430.	0.9	63
54	The dual nature of human extracellular superoxide dismutase: One sequence and two structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13875-13880.	7.1	62

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55	The Major Allergen from Birch Tree Pollen, Bet v 1, Binds and Permeabilizes Membranes. <i>Biochemistry</i> , 2007, 46, 3356-3365.	2.5	62
56	Regulation of Insulin-Like Growth Factor (IGF)-I Action by Matrix Metalloproteinase-3 Involves Selective Disruption of IGF-I/IGF-Binding Protein-3 Complexes. <i>Endocrinology</i> , 2004, 145, 620-626.	2.8	60
57	A novel matrix metalloprotease-like enzyme (karilysin) of the periodontal pathogen <i>Tannerella forsythia</i> ATCC 43037. <i>Biological Chemistry</i> , 2010, 391, 105-117.	2.5	60
58	Inter- α -inhibitor Impairs TSG-6-induced Hyaluronan Cross-linking. <i>Journal of Biological Chemistry</i> , 2013, 288, 29642-29653.	3.4	60
59	Catalytic Properties of ADAM12 and Its Domain Deletion Mutants. <i>Biochemistry</i> , 2008, 47, 537-547.	2.5	59
60	A New Pathway of Staphylococcal Pathogenesis: Apoptosis-Like Death Induced by Staphopain B in Human Neutrophils and Monocytes. <i>Journal of Innate Immunity</i> , 2009, 1, 98-108.	3.8	59
61	Reactive-site mutants of N-TIMP-3 that selectively inhibit ADAMTS-4 and ADAMTS-5: biological and structural implications. <i>Biochemical Journal</i> , 2010, 431, 113-122.	3.7	59
62	Purification and Characterization of Extracellular Superoxide Dismutase in Mouse Lung. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 542-548.	2.1	58
63	The C-terminal domains of ADAMTS-4 and ADAMTS-5 promote association with N-TIMP-3. <i>Matrix Biology</i> , 2009, 28, 463-469.	3.6	58
64	Structural and functional probing of PorZ, an essential bacterial surface component of the type-IX secretion system of human oral-microbiomic <i>Porphyromonas gingivalis</i> . <i>Scientific Reports</i> , 2016, 6, 37708.	3.3	58
65	Furin Proteolytically Processes the Heparin-binding Region of Extracellular Superoxide Dismutase. <i>Journal of Biological Chemistry</i> , 2002, 277, 16505-16511.	3.4	57
66	Integrative Analysis of Epigenetic Modulation in Melanoma Cell Response to Decitabine: Clinical Implications. <i>PLoS ONE</i> , 2009, 4, e4563.	2.5	56
67	Bovine corneal protein 54K (BCP54) is a homologue of the tumor-associated (class 3) rat aldehyde dehydrogenase (RATALD). <i>Gene</i> , 1991, 98, 201-207.	2.2	55
68	Biosynthesis of Bikunin Proteins in the Human Carcinoma Cell Line HepG2 and in Primary Human Hepatocytes. <i>Journal of Biological Chemistry</i> , 1995, 270, 18700-18709.	3.4	55
69	Human Phenotypically Distinct TGFBI Corneal Dystrophies Are Linked to the Stability of the Fourth FAS1 Domain of TGFBIp. <i>Journal of Biological Chemistry</i> , 2011, 286, 4951-4958.	3.4	55
70	Coagulation Factor XIIIa Substrates in Human Plasma. <i>Journal of Biological Chemistry</i> , 2014, 289, 6526-6534.	3.4	55
71	Secretion of extracellular superoxide dismutase in neonatal lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L977-L984.	2.9	53
72	Mechanism of insulin incorporation into α 2-macroglobulin: implications for the study of peptide and growth factor binding. <i>Biochemistry</i> , 1991, 30, 1551-1560.	2.5	52

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73	Rapid and Individual-specific Glycoprofiling of the Low Abundance N-Glycosylated Protein Tissue Inhibitor of Metalloproteinases-1. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 638-647.	3.8	52
74	The outer-membrane export signal of <i>Porphyromonas gingivalis</i> type IX secretion system (T9SS) is a conserved C-terminal β -sandwich domain. <i>Scientific Reports</i> , 2016, 6, 23123.	3.3	52
75	Angiostatin inhibits endothelial and melanoma cellular invasion by blocking matrix-enhanced plasminogen activation. <i>Biochemical Journal</i> , 1999, 340, 77.	3.7	50
76	A catalytic antioxidant (AEOL 10150) attenuates expression of inflammatory genes in stroke. <i>Free Radical Biology and Medicine</i> , 2002, 33, 1141-1152.	2.9	50
77	Composition and proteolytic processing of corneal deposits associated with mutations in the TGFBI gene. <i>Experimental Eye Research</i> , 2012, 96, 163-170.	2.6	50
78	Proteome Analysis of Human Sebaceous Follicle Infundibula Extracted from Healthy and Acne-Affected Skin. <i>PLoS ONE</i> , 2014, 9, e107908.	2.5	50
79	[7] β -Macroglobulins: Detection and characterization. <i>Methods in Enzymology</i> , 1993, 223, 121-141.	1.0	49
80	Optimal control based NCO and NCA experiments for spectral assignment in biological solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2007, 188, 216-230.	2.1	48
81	Biochemical mechanisms of aggregation in TGFBI-linked corneal dystrophies. <i>Progress in Retinal and Eye Research</i> , 2020, 77, 100843.	15.5	48
82	A New Autocatalytic Activation Mechanism for Cysteine Proteases Revealed by <i>Prevotella intermedia</i> Interpain A. <i>Journal of Biological Chemistry</i> , 2008, 283, 2871-2882.	3.4	47
83	Lack of the Receptor for Advanced Glycation End-Products Attenuates <i>E. coli</i> Pneumonia in Mice. <i>PLoS ONE</i> , 2011, 6, e20132.	2.5	47
84	The TSG-6 and β Interaction Promotes a Transesterification Cleaving the Protein-Glycosaminoglycan-Protein (PGP) Cross-link. <i>Journal of Biological Chemistry</i> , 2005, 280, 11936-11942.	3.4	46
85	Inactivation of Epidermal Growth Factor by <i>Porphyromonas gingivalis</i> as a Potential Mechanism for Periodontal Tissue Damage. <i>Infection and Immunity</i> , 2013, 81, 55-64.	2.2	46
86	Metal Ion-dependent Heavy Chain Transfer Activity of TSG-6 Mediates Assembly of the Cumulus-Oocyte Matrix. <i>Journal of Biological Chemistry</i> , 2015, 290, 28708-28723.	3.4	46
87	Structural and functional insights into oligopeptide acquisition by the RagAB transporter from <i>Porphyromonas gingivalis</i> . <i>Nature Microbiology</i> , 2020, 5, 1016-1025.	13.3	46
88	The Intracellular Proteolytic Processing of Extracellular Superoxide Dismutase (EC-SOD) is a Two-step Event. <i>Journal of Biological Chemistry</i> , 2004, 279, 22152-22157.	3.4	45
89	<sc>MS D</sc>ata <sc>M</sc>iner: A web-based software tool to analyze, compare, and share mass spectrometry protein identifications. <i>Proteomics</i> , 2012, 12, 2792-2796.	2.2	45
90	Enzymatic Activity of the <i>Staphylococcus aureus</i> SplB Serine Protease is Induced by Substrates Containing the Sequence Trp-Glu-Leu-Gln. <i>Journal of Molecular Biology</i> , 2008, 379, 343-356.	4.2	43

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91	Focus on molecules: Transforming growth factor beta induced protein (TGFBIp). <i>Experimental Eye Research</i> , 2008, 87, 298-299.	2.6	43
92	Analysis of Factor D Isoforms in Malpuechâ€“Michelsâ€“Mingarelliâ€“Carnevale Patients Highlights the Role of MASP-3 as a Maturase in the Alternative Pathway of Complement. <i>Journal of Immunology</i> , 2017, 199, 2158-2170.	0.8	43
93	Purification and Structural Characterization of Transforming Growth Factor Beta Induced Protein (TGFBIp) from Porcine and Human Corneasâ€. <i>Biochemistry</i> , 2004, 43, 16374-16384.	2.5	42
94	Miropin, a Novel Bacterial Serpin from the Periodontopathogen <i>Tannerella forsythia</i> , Inhibits a Broad Range of Proteases by Using Different Peptide Bonds within the Reactive Center Loop. <i>Journal of Biological Chemistry</i> , 2015, 290, 658-670.	3.4	42
95	Developmental expression of the receptor for advanced glycation end-products (RAGE) and its response to hyperoxia in the neonatal rat lung. <i>BMC Developmental Biology</i> , 2007, 7, 15.	2.1	41
96	ADAM10 controls collagen signaling and cell migration on collagen by shedding the ectodomain of discoidin domain receptor 1 (DDR1). <i>Molecular Biology of the Cell</i> , 2015, 26, 659-673.	2.1	41
97	Î±1-Microglobulin Is Found Both in Blood and in Most Tissues. <i>Journal of Histochemistry and Cytochemistry</i> , 1998, 46, 887-893.	2.5	40
98	Proteomic analysis of hyperoxia-induced responses in the human choriocarcinoma cell line JEG-3. <i>Proteomics</i> , 2004, 4, 861-867.	2.2	40
99	The high concentration of Arg213â†Gly extracellular superoxide dismutase (EC-SOD) in plasma is caused by a reduction of both heparin and collagen affinities. <i>Biochemical Journal</i> , 2005, 385, 427-432.	3.7	40
100	KLIKK proteases of <i>Tannerella forsythia</i> : putative virulence factors with a unique domain structure. <i>Frontiers in Microbiology</i> , 2015, 6, 312.	3.5	40
101	Characterisation of protein families in spider digestive fluids and their role in extra-oral digestion. <i>BMC Genomics</i> , 2017, 18, 600.	2.8	39
102	Structural and functional characterization of tissue factor pathway inhibitor following degradation by matrix metalloproteinase-8. <i>Biochemical Journal</i> , 2002, 367, 451-458.	3.7	38
103	Î± ₁ -Microglobulin chromophores are located to three lysine residues semiburied in the lipocalin pocket and associated with a novel lipophilic compound. <i>Protein Science</i> , 1999, 8, 2611-2620.	7.6	38
104	Structural and functional characterization of SplA, an exclusively specific protease of <i>Staphylococcus aureus</i> . <i>Biochemical Journal</i> , 2009, 419, 555-564.	3.7	38
105	Regulation of receptor for advanced glycation end products during bleomycin-induced lung injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 29, S77-81.	2.9	38
106	Structure of Activated Thrombin-Activatable Fibrinolysis Inhibitor, a Molecular Link between Coagulation and Fibrinolysis. <i>Molecular Cell</i> , 2008, 31, 598-606.	9.7	37
107	Unique Structural Features Facilitate Lizard Tail Autotomy. <i>PLoS ONE</i> , 2012, 7, e51803.	2.5	37
108	Formation of the Î±1-microglobulin chromophore in mammalian and insect cells: a novel post-translational mechanism?. <i>FEBS Letters</i> , 1995, 362, 50-54.	2.8	36

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109	Activated Human Plasma Carboxypeptidase B Is Retained in the Blood by Binding to α_2 -Macroglobulin and Pregnancy Zone Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 12937-12943.	3.4	36
110	Evidence for a Novel O-Linked Sialylated Trisaccharide on Ser-248 of Human Plasminogen 2. <i>Journal of Biological Chemistry</i> , 1997, 272, 7408-7411.	3.4	36
111	Proteomics of Fuchs's Endothelial Corneal Dystrophy Support That the Extracellular Matrix of Descemet's Membrane Is Disordered. <i>Journal of Proteome Research</i> , 2014, 13, 4659-4667.	3.7	36
112	Imperfect repeats in the functional amyloid protein FapC reduce the tendency to fragment during fibrillation. <i>Protein Science</i> , 2019, 28, 633-642.	7.6	36
113	Thrombin-activable Fibrinolysis Inhibitor (TAFI) Zymogen Is an Active Carboxypeptidase. <i>Journal of Biological Chemistry</i> , 2007, 282, 3066-3076.	3.4	35
114	Effects of Elaidic Acid on Lipid Metabolism in HepG2 Cells, Investigated by an Integrated Approach of Lipidomics, Transcriptomics and Proteomics. <i>PLoS ONE</i> , 2013, 8, e74283.	2.5	35
115	Sortilin gates neurotensin and BDNF signaling to control peripheral neuropathic pain. <i>Science Advances</i> , 2019, 5, eaav9946.	10.3	35
116	A Dataset of Human Cornea Proteins Identified by Peptide Mass Fingerprinting and Tandem Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1406-1408.	3.8	34
117	Proteomic Analysis of the Soluble Fraction from Human Corneal Fibroblasts with Reference to Ocular Transparency. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 660-674.	3.8	33
118	The Transfer of Heavy Chains from Bikunin Proteins to Hyaluronan Requires Both TSG-6 and HC2. <i>Journal of Biological Chemistry</i> , 2008, 283, 18530-18537.	3.4	33
119	Differential expression and processing of transforming growth factor beta induced protein (TGFBIp) in the normal human cornea during postnatal development and aging. <i>Experimental Eye Research</i> , 2010, 90, 57-62.	2.6	33
120	Mutation in transforming growth factor beta induced protein associated with granular corneal dystrophy type 1 reduces the proteolytic susceptibility through local structural stabilization. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2812-2822.	2.3	33
121	Secreted major Venus flytrap chitinase enables digestion of Arthropod prey. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 374-383.	2.3	33
122	The Role of the Receptor for Advanced Glycation End-Products in a Murine Model of Silicosis. <i>PLoS ONE</i> , 2010, 5, e9604.	2.5	32
123	Carbamylated LL-37 as a modulator of the immune response. <i>Innate Immunity</i> , 2016, 22, 218-229.	2.4	32
124	The Crystal Structure of Thrombin-activable Fibrinolysis Inhibitor (TAFI) Provides the Structural Basis for Its Intrinsic Activity and the Short Half-life of TAFI. <i>Journal of Biological Chemistry</i> , 2008, 283, 29416-29423.	3.4	31
125	A Common Polymorphism in Extracellular Superoxide Dismutase Affects Cardiopulmonary Disease Risk by Altering Protein Distribution. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 659-666.	5.1	31
126	Female versus male biological identities of nanoparticles determine the interaction with immune cells in fish. <i>Environmental Science: Nano</i> , 2017, 4, 895-906.	4.3	31

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127	Investigating the biomarker potential of glycoproteins using comparative glycoprofiling application to tissue inhibitor of metalloproteinases-1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 455-463.	2.3	30
128	Monodisperse and LPS-free <i>Aggregatibacter actinomycetemcomitans</i> leukotoxin: Interactions with human β_2 integrins and erythrocytes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 546-558.	2.3	30
129	Evidence for a Two-Step Mechanism Involved in the Formation of Covalent HC α -TSG-6 Complexes. <i>Biochemistry</i> , 2006, 45, 7661-7668.	2.5	29
130	Post-translational Modifications of Human Thrombin-Activatable Fibrinolysis Inhibitor (TAFI): Evidence for a Large Shift in the Isoelectric Point and Reduced Solubility upon Activation. <i>Biochemistry</i> , 2006, 45, 1525-1535.	2.5	29
131	Synthesis and Evaluation of Silanediols as Highly Selective Uncompetitive Inhibitors of Human Neutrophil Elastase. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7900-7908.	6.4	29
132	Mirolase, a novel subtilisin-like serine protease from the periodontopathogen <i>Tannerella forsythia</i> . <i>Biological Chemistry</i> , 2015, 396, 261-275.	2.5	29
133	Extracellular superoxide dismutase is present in secretory vesicles of human neutrophils and released upon stimulation. <i>Free Radical Biology and Medicine</i> , 2016, 97, 478-488.	2.9	29
134	Stable intermediates determine proteins' primary unfolding sites in the presence of surfactants. <i>Biopolymers</i> , 2009, 91, 221-231.	2.4	28
135	Protein Composition of TGFBI-R124C- and TGFBI-R555W- Associated Aggregates Suggests Multiple Mechanisms Leading to Lattice and Granular Corneal Dystrophy. , 2015, 56, 4653.		28
136	An Aberrant Phosphorylation of Amyloid Precursor Protein Tyrosine Regulates Its Trafficking and the Binding to the Clathrin Endocytic Complex in Neural Stem Cells of Alzheimer's Disease Patients. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 59.	2.9	28
137	Sodium Dodecyl Sulfate-stable Complexes between Serpins and Active or Inactive Proteinases Contain the Region COOH-terminal to the Reactive Site Loop. <i>Journal of Biological Chemistry</i> , 1995, 270, 14859-14862.	3.4	27
138	NMR Reveals Two-Step Association of Congo Red to Amyloid β in Low-Molecular-Weight Aggregates. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16003-16010.	2.6	27
139	Inhibition of <i>Staphylococcus aureus</i> cysteine proteases by human serpin potentially limits staphylococcal virulence. <i>Biological Chemistry</i> , 2011, 392, 483-9.	2.5	27
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