

John A M Ramshaw

List of Publications by Year in descending order

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162
papers

8,079
citations

50170

46
h-index

54797

84
g-index

166
all docs

166
docs citations

166
times ranked

6751
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray crystal structure analysis of plastocyanin at 2.7 Å... resolution. <i>Nature</i> , 1978, 272, 319-324.	13.7	769
2	The collagen triple-helix structure. <i>Matrix Biology</i> , 1997, 15, 545-554.	1.5	431
3	Amino Acid Propensities for the Collagen Triple-Helix. <i>Biochemistry</i> , 2000, 39, 14960-14967.	1.2	347
4	Gly-X-Y Tripeptide Frequencies in Collagen: A Context for Host-Guest Triple-Helical Peptides. <i>Journal of Structural Biology</i> , 1998, 122, 86-91.	1.3	336
5	Prediction of Collagen Stability from Amino Acid Sequence. <i>Journal of Biological Chemistry</i> , 2005, 280, 19343-19349.	1.6	298
6	Electrostatic Interactions in Collagen-like Triple-Helical Peptides. <i>Biochemistry</i> , 1994, 33, 7948-7956.	1.2	181
7	Electrostatic Interactions Involving Lysine Make Major Contributions to Collagen Triple-Helix Stability. <i>Biochemistry</i> , 2005, 44, 1414-1422.	1.2	166
8	Destabilization of osteogenesis imperfecta collagen-like model peptides correlates with the identity of the residue replacing glycine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4273-4278.	3.3	165
9	Collagen-hydroxyapatite composite prepared by biomimetic process. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 68A, 19-27.	3.0	163
10	A highly elastic tissue sealant based on photopolymerised gelatin. <i>Biomaterials</i> , 2010, 31, 8323-8331.	5.7	162
11	THE SENSITIVITY OF GEL ELECTROPHORESIS AS A DETECTOR OF GENETIC VARIATION. <i>Genetics</i> , 1979, 93, 1019-1037.	1.2	151
12	Collagen-based Biomaterials. <i>Biotechnology and Genetic Engineering Reviews</i> , 1996, 13, 335-382.	2.4	139
13	Collagen-mimetic peptide-modifiable hydrogels for articular cartilage regeneration. <i>Biomaterials</i> , 2015, 54, 213-225.	5.7	139
14	Bacterial collagen-like proteins that form triple-helical structures. <i>Journal of Structural Biology</i> , 2014, 186, 451-461.	1.3	117
15	The development of photochemically crosslinked native fibrinogen as a rapidly formed and mechanically strong surgical tissue sealant. <i>Biomaterials</i> , 2009, 30, 2059-2065.	5.7	113
16	A Host-Guest Set of Triple-Helical Peptides: Stability of Gly-X-Y Triplets Containing Common Nonpolar Residues. <i>Biochemistry</i> , 1996, 35, 10262-10268.	1.2	111
17	Peptide investigations of pairwise interactions in the collagen triple-helix. <i>Journal of Molecular Biology</i> , 2002, 316, 385-394.	2.0	108
18	Collagens as biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 3-8.	1.7	108

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19	Tubular micro-scale multiwalled carbon nanotube-based scaffolds for tissue engineering. <i>Biomaterials</i> , 2009, 30, 1725-1731.	5.7	107
20	Collagen model peptides: Sequence dependence of triple-helix stability. <i>Biopolymers</i> , 2000, 55, 436-450.	1.2	106
21	Recombinant protein scaffolds for tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 012002.	1.7	98
22	Gly-Pro-Arg Confers Stability Similar to Gly-Pro-Hyp in the Collagen Triple-helix of Host-Guest Peptides. <i>Journal of Biological Chemistry</i> , 1997, 272, 28837-28840.	1.6	92
23	Triple-Helix Propensity of Hydroxyproline and Fluoroproline: A Comparison of Host-Guest and Repeating Tripeptide Collagen Models. <i>Journal of the American Chemical Society</i> , 2003, 125, 11500-11501.	6.6	91
24	Carbon nanotubes in scaffolds for tissue engineering. <i>Expert Review of Medical Devices</i> , 2009, 6, 499-505.	1.4	91
25	Positional Preferences of Ionizable Residues in Gly-X-Y Triplets of the Collagen Triple-helix. <i>Journal of Biological Chemistry</i> , 1997, 272, 31441-31446.	1.6	76
26	A <i>Streptococcus pyogenes</i> derived collagen-like protein as a non-cytotoxic and non-immunogenic cross-linkable biomaterial. <i>Biomaterials</i> , 2010, 31, 2755-2761.	5.7	76
27	Self-association of <i>Streptococcus pyogenes</i> collagen-like constructs into higher order structures. <i>Protein Science</i> , 2009, 18, 1241-1251.	3.1	75
28	Human Endometrial Mesenchymal Stem Cells Modulate the Tissue Response and Mechanical Behavior of Polyamide Mesh Implants for Pelvic Organ Prolapse Repair. <i>Tissue Engineering - Part A</i> , 2014, 20, 131121072458005.	1.6	73
29	Sequence Dependence of the Folding of Collagen-like Peptides. <i>Journal of Biological Chemistry</i> , 1999, 274, 7668-7673.	1.6	71
30	Characterization of a Protein-based Adhesive Elastomer Secreted by the Australian Frog <i>Notaden bennetti</i> . <i>Biomacromolecules</i> , 2005, 6, 3300-3312.	2.6	70
31	Photochemical crosslinking of soluble wool keratins produces a mechanically stable biomaterial that supports cell adhesion and proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 901-911.	2.1	70
32	Repair of porcine articular cartilage defect with autologous chondrocyte transplantation. <i>Journal of Orthopaedic Research</i> , 2005, 23, 584-593.	1.2	66
33	Bladder acellular matrix as a substrate for studying in vitro bladder smooth muscle-urothelial cell interactions. <i>Biomaterials</i> , 2005, 26, 529-543.	5.7	65
34	THE TIME OF ORIGIN OF THE FLOWERING PLANTS DETERMINED BY USING AMINO ACID SEQUENCE DATA OF CYTOCHROME C. <i>New Phytologist</i> , 1972, 71, 773-779.	3.5	60
35	Towards scalable production of a collagen-like protein from <i>Streptococcus pyogenes</i> for biomedical applications. <i>Microbial Cell Factories</i> , 2012, 11, 146.	1.9	60
36	Collagen-based layer-by-layer coating on electrospun polymer scaffolds. <i>Biomaterials</i> , 2012, 33, 9198-9204.	5.7	59

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37	Induction of endometrial mesenchymal stem cells into tissue-forming cells suitable for fascial repair. <i>Acta Biomaterialia</i> , 2014, 10, 5012-5020.	4.1	59
38	Serial electrophoretic transfers: A technique for the identification of numerous enzymes from single polyacrylamide gels. <i>Biochemical Genetics</i> , 1981, 19, 647-654.	0.8	58
39	Temporally degradable collagen-mimetic hydrogels tuned to chondrogenesis of human mesenchymal stem cells. <i>Biomaterials</i> , 2016, 99, 56-71.	5.7	56
40	Electrophoretic Heterogeneity of β -Glycerophosphate Dehydrogenase among many Species of <i>Drosophila</i> . <i>Systematic Zoology</i> , 1979, 28, 164.	1.6	53
41	A Preclinical Evaluation of Alternative Synthetic Biomaterials for Fascial Defect Repair Using a Rat Abdominal Hernia Model. <i>PLoS ONE</i> , 2012, 7, e50044.	1.1	53
42	Biomedical applications of collagens. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 665-675.	1.6	52
43	Native thymic extracellular matrix improves <i>in vivo</i> thymic organoid T cell output, and drives <i>in vitro</i> thymic epithelial cell differentiation. <i>Biomaterials</i> , 2017, 118, 1-15.	5.7	51
44	Distribution of Type Iii Collagen in Bovine Skin of Various Ages. <i>Connective Tissue Research</i> , 1986, 14, 307-314.	1.1	50
45	Gly-Gly-Containing Triplets of Low Stability Adjacent to a Type III Collagen Epitope. <i>Biochemistry</i> , 1997, 36, 5878-5883.	1.2	50
46	Enhanced articular cartilage by human mesenchymal stem cells in enzymatically mediated transiently RGDS-functionalized collagen-mimetic hydrogels. <i>Acta Biomaterialia</i> , 2017, 51, 75-88.	4.1	49
47	Production of Recombinant Hydroxylated Human Type III Collagen Fragment in <i>Saccharomyces cerevisiae</i> . <i>DNA and Cell Biology</i> , 1998, 17, 511-518.	0.9	48
48	Characterisation of clinical and newly fabricated meshes for pelvic organ prolapse repair. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 23, 53-61.	1.5	48
49	Synthetic biodegradable microparticles for articular cartilage tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 590-598.	2.1	45
50	Characterisation of a monoclonal antibody against native human type I collagen. <i>FEBS Journal</i> , 1990, 187, 439-443.	0.2	44
51	Biodegradable and injectable cure-on-demand polyurethane scaffolds for regeneration of articular cartilage. <i>Acta Biomaterialia</i> , 2010, 6, 3471-3481.	4.1	41
52	Engineering multiple biological functional motifs into a blank collagen-like protein template from <i>Streptococcus pyogenes</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2189-2196.	2.1	40
53	A Highly Elastic and Adhesive Gelatin Tissue Sealant for Gastrointestinal Surgery and Colon Anastomosis. <i>Journal of Gastrointestinal Surgery</i> , 2012, 16, 744-752.	0.9	38
54	A simple cost-effective methodology for large-scale purification of recombinant non-animal collagens. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1807-1815.	1.7	38

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55	Influence of Reproductive Status on Tissue Composition and Biomechanical Properties of Ovine Vagina. PLoS ONE, 2014, 9, e93172.	1.1	38
56	The amino acid sequence of plastocyanin from <i>Solanum tuberosum</i> L. (potato). Biochemical Journal, 1974, 139, 583-592.	1.7	36
57	MR Three-Dimensional Molecular Imaging of Intramural Biomarkers with Targeted Nanoparticles. Journal of Cardiovascular Magnetic Resonance, 2006, 8, 535-541.	1.6	34
58	Evaluation of photo-crosslinked fibrinogen as a rapid and strong tissue adhesive. Journal of Biomedical Materials Research - Part A, 2010, 93A, 687-695.	2.1	33
59	Bioengineered collagens. Bioengineered, 2014, 5, 227-233.	1.4	33
60	Temporal changes in the biomechanical properties of endometrial mesenchymal stem cell seeded scaffolds in a rat model. Acta Biomaterialia, 2015, 13, 286-294.	4.1	33
61	The Amino-Acid Sequence of the Cytochrome c of <i>Ginkgo biloba</i> L.. FEBS Journal, 1971, 23, 475-483.	0.2	32
62	Collagen Fibril Formation in a Wound Healing Model. Journal of Structural Biology, 2002, 137, 23-30.	1.3	32
63	Purification of recombinant protein by cold-precipitation of fusion constructs incorporating resilin-inspired polypeptides. Biotechnology and Bioengineering, 2012, 109, 2947-2954.	1.7	31
64	Stabilisation of Collagen Sponges by Glutaraldehyde Vapour Crosslinking. International Journal of Biomaterials, 2017, 2017, 1-6.	1.1	31
65	Higher Plant Cytochrome c. Nature, 1970, 228, 552-554.	13.7	30
66	Preliminary crystallographic data for a basic copper-containing protein from cucumber seedlings. Journal of Molecular Biology, 1977, 112, 649-650.	2.0	30
67	In vivo evaluation of a collagenous membrane as an absorbable adhesion barrier. , 1997, 34, 291-297.		30
68	Evaluation of the immunogenicity and cell compatibility of avian collagen for biomedical applications. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1235-1244.	2.1	30
69	The amino acid sequence of plastocyanin from <i>Vicia faba</i> L. (broad bean). Biochemical Journal, 1974, 141, 835-843.	1.7	29
70	Structural consequences of D-amino acids in collagen triple-helical peptides. , 1999, 49, 297-302.		29
71	Organization of Fibrillar Collagen in the Human and Bovine Cornea. Connective Tissue Research, 1997, 36, 165-174.	1.1	28
72	The adhesive skin exudate of <i>Notaden bennetti</i> frogs (Anura: Limnodynastidae) has similarities to the prey capture glue of <i>Euperipatoides</i> sp. velvet worms (Onychophora: Peripatopsidae). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 165, 250-259.	0.7	28

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73	Evaluation of a collagen-based biosynthetic material for the repair of abdominal wall defects. , 1998, 39, 429-436.		27
74	Shaping collagen for engineering hard tissues: Towards a printomics approach. Acta Biomaterialia, 2021, 131, 41-61.	4.1	27
75	Controlling the Molecular Structure and Physical Properties of Artificial Honeybee Silk by Heating or by Immersion in Solvents. PLoS ONE, 2012, 7, e52308.	1.1	27
76	Precipitation of collagens by polyethylene glycols. Analytical Biochemistry, 1984, 141, 361-365.	1.1	26
77	Collagen organization in mandrel-grown vascular grafts. Journal of Biomedical Materials Research Part B, 1989, 23, 649-660.	3.0	26
78	Methylene blue sensitized photo-oxidation of collagen fibrils. BBA - Proteins and Proteomics, 1994, 1206, 225-230.	2.1	26
79	An Improved Method for the Purification of Cytochrome c from Higher Plants. Journal of Biochemistry, 1971, 69, 811-813.	0.9	25
80	Development of porous collagen beads for chondrocyte culture. Cytotechnology, 2007, 52, 99-106.	0.7	25
81	Modeling Tissue Growth Within Nonwoven Scaffolds Pores. Tissue Engineering - Part C: Methods, 2011, 17, 123-130.	1.1	25
82	A new class of animal collagen masquerading as an insect silk. Scientific Reports, 2013, 3, 2864.	1.6	25
83	High resolution proton magnetic resonance studies of plastocyanin. FEBS Letters, 1978, 86, 131-135.	1.3	24
84	Characterization of type I collagen from the skin of blue grenadier (Macrurus novaezelandiae). Archives of Biochemistry and Biophysics, 1988, 267, 497-502.	1.4	24
85	Bioengineered Collagens. Sub-Cellular Biochemistry, 2017, 82, 601-629.	1.0	24
86	Preliminary crystallographic data for a copper-containing protein, plastocyanin. Journal of Molecular Biology, 1977, 110, 187-189.	2.0	23
87	Photochemically crosslinked matrices of gelatin and fibrinogen promote rapid cell proliferation. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 337-346.	1.3	23
88	Evaluation of an established pericardium patch for delivery of mesenchymal stem cells to cardiac tissue. Journal of Biomedical Materials Research - Part A, 2015, 103, 1999-2005.	2.1	23
89	Isolation and purification of cytochrome c from some species of higher plants. Phytochemistry, 1970, 9, 2271-2280.	1.4	22
90	Electrophoresis and electroblotting of native collagens. Analytical Biochemistry, 1988, 168, 82-87.	1.1	22

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91	Development of monoclonal antibodies to collagens for assessing host?implant interactions. Journal of Biomedical Materials Research Part B, 1989, 23, 273-283.	3.0	21
92	Evaluation of polyvinyl alcohol composite membranes containing collagen and bone particles. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 48, 38-45.	1.5	21
93	Harnessing the Versatility of Bacterial Collagen to Improve the Chondrogenic Potential of Porous Collagen Scaffolds. Advanced Healthcare Materials, 2016, 5, 1656-1666.	3.9	21
94	The Amino-Acid Sequence of Plastocyanin from Sambucus nigra L. (Elder). FEBS Journal, 1974, 44, 299-303.	0.2	20
95	Study of the charge-state model for electrophoretic variation using isoelectric focusing of esterase-5 from Drosophila pseudoobscura. Nature, 1978, 275, 68-70.	13.7	20
96	Monoclonal antibodies to type VI collagen demonstrate new tissue augmentation of a collagen-based biomaterial implant.. Journal of Histochemistry and Cytochemistry, 1993, 41, 1701-1706.	1.3	20
97	A comparison of the effects of fibre alignment of smooth and textured fibres in electrospun membranes on fibroblast cell adhesion. Biomedical Materials (Bristol), 2010, 5, 025005.	1.7	20
98	Aberrant activation of Wnt signaling pathway altered osteocyte mineralization. Bone, 2019, 127, 324-333.	1.4	20
99	Monoclonal antibodies to type V collagen for immunohistological examination of new tissue deposition associated with biomaterial implants.. Journal of Histochemistry and Cytochemistry, 1991, 39, 1215-1220.	1.3	19
100	Effect of Deamidation on Stability for the Collagen to Gelatin Transition. Journal of Agricultural and Food Chemistry, 2005, 53, 7802-7806.	2.4	19
101	Controlled surface modification of tissue culture polystyrene for selective cell binding using resilin-inspired polypeptides. Biofabrication, 2013, 5, 035005.	3.7	19
102	Collagen organization in an oriented fibrous capsule. International Journal of Biological Macromolecules, 1994, 16, 27-30.	3.6	18
103	Identification of the epitope for a monoclonal antibody that blocks platelet aggregation induced by type III collagen. Biochemical Journal, 1997, 323, 45-49.	1.7	18
104	Screening Microalgal Cultures in Search of Microbial Exopolysaccharides with Potential as Adhesives. Journal of Adhesion, 2009, 85, 97-125.	1.8	18
105	An Adhesive Secreted by Australian Frogs of the Genus Notaden. , 2006, , 207-223.		18
106	Evaluation for collagen products for cosmetic application. Journal of Cosmetic Science, 2004, 55, 327-41.	0.1	18
107	Changes in the Physical and Chemical Properties of Skin Collagen from Broiler Chickens Exhibiting Oily Bird Syndrome. Poultry Science, 1986, 65, 43-50.	1.5	17
108	Recent progress with recombinant collagens produced in Escherichia coli. Current Opinion in Biomedical Engineering, 2019, 10, 149-155.	1.8	16

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109	Collagenous tissue formation in association with medical implants. <i>Current Opinion in Solid State and Materials Science</i> , 2001, 5, 185-191.	5.6	14
110	Fluorescence Determination of Tryptophan Side-Chain Accessibility and Dynamics in Triple-Helical Collagen-Like Peptides. <i>Biophysical Journal</i> , 2003, 84, 501-508.	0.2	14
111	Structure-function relationships in plant cytochrome c. <i>Phytochemistry</i> , 1972, 11, 553-561.	1.4	13
112	A Morphologic Study of a Mild Form of Ovine Dermatosparaxis. <i>Journal of Investigative Dermatology</i> , 1985, 84, 391-395.	0.3	13
113	Structural analysis of a collagen-polyester composite vascular prosthesis. <i>Clinical Materials</i> , 1993, 14, 271-276.	0.5	13
114	Evaluation of in situ curable biodegradable polyurethanes containing zwitterion components. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 1081-1089.	1.7	13
115	Preparation and characterization of monomers to tetramers of a collagen-like domain from <i>Streptococcus pyogenes</i> . <i>Bioengineered</i> , 2014, 5, 378-385.	1.4	13
116	The amino acid sequence of cytochrome c from niger-seed, <i>Guizotia abyssinica</i> . <i>Phytochemistry</i> , 1975, 14, 1945-1949.	1.4	12
117	Preparation of resorbable collagen-based beads for direct use in tissue engineering and cell therapy applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1301-1309.	2.1	12
118	Stabilization of collagen tissues by photocrosslinking. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2239-2243.	2.1	12
119	Suitability of Marine- and Porcine-Derived Collagen Type I Hydrogels for Bioprinting and Tissue Engineering Scaffolds. <i>Marine Drugs</i> , 2022, 20, 366.	2.2	12
120	Biocompatibility and modification of the protein-based adhesive secreted by the Australian frog <i>Notaden bennetti</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 429-441.	2.1	11
121	Incorporation of hydroxyproline in bacterial collagen from <i>Streptococcus pyogenes</i> . <i>Acta Biomaterialia</i> , 2018, 80, 169-175.	4.1	11
122	Phylogenetic implications of the amino acid sequence of cytochrome c from <i>Enteromorpha intestinalis</i> . <i>Phytochemistry</i> , 1974, 13, 2783-2789.	1.4	10
123	Cytochrome cs from <i>Rhodomenia palmata</i> and <i>Porphyra umbilicalis</i> and the amino acid sequences of their N-terminal regions. <i>Phytochemistry</i> , 1975, 14, 1493-1497.	1.4	10
124	The amino acid sequence of plastocyanin from <i>Cucumis sativus</i> . <i>Phytochemistry</i> , 1982, 21, 1317-1320.	1.4	10
125	Editorial: Collagen-based biomaterials. <i>Clinical Materials</i> , 1992, 9, 137-138.	0.5	10
126	APPLICATIONS OF COLLAGEN IN MEDICAL DEVICES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2001, 13, 14-26.	0.3	10

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127	Stepwise construction of triple-helical heparin binding sites using peptide models. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1698, 187-195.	1.1	10
128	The effect of bovine endosteum-derived particles on the proliferation of human mesenchymal stem cells. <i>Biomaterials</i> , 2010, 31, 5689-5699.	5.7	10
129	Porous carbon fibers made from collagen derived from an animal by-product. <i>Materials Today Advances</i> , 2019, 1, 100005.	2.5	10
130	A Mild Form of Ovine Dermatosparaxis. <i>Collagen and Related Research</i> , 1984, 4, 441-451.	2.2	9
131	Osteogenic capacity of collagen in repair of established periodontal defects. <i>Clinical Materials</i> , 1992, 9, 201-209.	0.5	9
132	Effects of mesh modification on the structure of a mandrel-grown biosynthetic vascular prosthesis. , 1999, 47, 309-315.		9
133	Identification of Proteins Associated with Adhesive Prints from <i>Holothuria dofleinii</i> Cuvierian Tubules. <i>Marine Biotechnology</i> , 2014, 16, 695-706.	1.1	9
134	Non-“animal collagens as new options for cosmetic formulation. <i>International Journal of Cosmetic Science</i> , 2015, 37, 636-641.	1.2	9
135	The amino acid sequence of plastocyanin from <i>Lactuca sativa</i> (lettuce). <i>Phytochemistry</i> , 1976, 15, 1199-1202.	1.4	8
136	Conformational epitopes on interstitial collagens. <i>International Journal of Biological Macromolecules</i> , 1991, 13, 140-146.	3.6	8
137	In vivo evaluation of modified mandrel-grown vascular prostheses. , 1999, 47, 316-323.		8
138	Use of biodegradable urethane-based adhesives to appose meniscal defect edges in an ovine model: a preliminary study. <i>Australian Veterinary Journal</i> , 2008, 86, 229-234.	0.5	8
139	Ovine dermatosparaxis. <i>Australian Veterinary Journal</i> , 1983, 60, 149-151.	0.5	8
140	Porous carbon sponges from collagen-rich biomass waste for high-performance supercapacitors. <i>Materials Today Sustainability</i> , 2022, 18, 100152.	1.9	8
141	Engineering specific chemical modification sites into a collagen-like protein from <i>Streptococcus pyogenes</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 806-813.	2.1	7
142	The effect of dissociation of <i>Bacteroides nososus</i> pili on their efficacy as a protective antigen against ovine footrot. <i>Veterinary Microbiology</i> , 1991, 27, 283-293.	0.8	6
143	Constructs for the expression of repeating triple-helical protein domains. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 015006.	1.7	6
144	Impact of Heparan Sulfate Chains and Sulfur-Mediated Bonds on the Mechanical Properties of Bovine Lens Capsule. <i>Biophysical Journal</i> , 2011, 100, 2077-2083.	0.2	6

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145	Formation of multimers of bacterial collagens through introduction of specific sites for oxidative crosslinking. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2369-2376.	2.1	6
146	Examination of basement membrane components associated with the bovine seminiferous tubule basal lamina. <i>Reproduction, Fertility and Development</i> , 2007, 19, 473.	0.1	6
147	Heart valve collagens: cross-species comparison using immunohistological methods. <i>Journal of Heart Valve Disease</i> , 2010, 19, 766-71.	0.5	6
148	Variation in Hydrogel Formation and Network Structure for Telo-, Atelo- and Methacrylated Collagens. <i>Polymers</i> , 2022, 14, 1775.	2.0	6
149	Purification and properties of an acid protease from <i>Phaseolus aureus</i> . <i>Phytochemistry</i> , 1975, 14, 1283-1284.	1.4	5
150	Structural analysis of glycerol-3-phosphate dehydrogenase from several <i>Drosophila</i> species. <i>Biochemical Genetics</i> , 1985, 23, 801-814.	0.8	5
151	The use of quenching agents to enable immunofluorescent examination of collagen-based biomaterials showing glutaraldehyde-derived autofluorescence. <i>Clinical Materials</i> , 1990, 6, 13-20.	0.5	5
152	The amino acid sequences of plastocyanin from <i>Mercurialis perennis</i> and <i>Capsella bursa-pastoris</i> . <i>Phytochemistry</i> , 1978, 17, 901-905.	1.4	4
153	The amino acid sequence of plastocyanin from <i>Rumex obtusifolius</i> . <i>Phytochemistry</i> , 1978, 17, 615-617.	1.4	4
154	Stratigraphic evaluation of the collagen surrounding a biomaterial implant. <i>Clinical Materials</i> , 1994, 16, 9-13.	0.5	4
155	Polarization effects in SHG of collagen. , 2004, 5323, 343.		4
156	Temporal variation in the deposition of different types of collagen within a porous biomaterial implant. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3550-3555.	2.1	4
157	An Adhesive Secreted by Australian Frogs of the Genus <i>Notaden</i> . , 2016, , 223-243.		4
158	Heterogeneity in dermatosparaxis is shown by contraction of collagen gels. <i>Connective Tissue Research</i> , 1991, 25, 295-300.	1.1	3
159	FIB/SEM Processing of Biological Samples. <i>Microscopy and Microanalysis</i> , 2018, 24, 822-823.	0.2	3
160	Collagen-Based Vascular Prostheses. , 0, , 121-136.		3
161	Constructs for the expression of repeating triple-helical protein domains. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 015006.	1.7	2
162	Recombinant Protein Scaffolds for Tissue Engineering. , 2003, , .		0