Bruce McGregor

List of Publications by Year
in descending order

115 papers	1,567 citations	331259 21 h-index	454577 30 g-index
118 all docs	118 docs citations	118 times ranked	669 citing authors

#	Article	IF	Citations
1	Production, attributes and relative value of alpaca fleeces in southern Australia and implications for industry development. Small Ruminant Research, 2006, 61, 93-111.	0.6	66
2	Comparisons of the Fourier Transform Infrared Spectra of cashmere, guard hair, wool and other animal fibres. Journal of the Textile Institute, 2018, 109, 813-822.	1.0	47
3	The effect of humidity and temperature on Wool ComfortMeter assessment of single jersey wool fabrics. Textile Reseach Journal, 2013, 83, 83-89.	1.1	40
4	Nutrition, management and other environmental influences on the quality and production of mohair and cashmere: A review with particular reference to mediterranean and annual temperate climatic zones. Small Ruminant Research, 1998, 28, 199-215.	0.6	39
5	Sources of variation in fibre diameter attributes of Australian alpacas and implications for fleece evaluation and animal selection. Australian Journal of Agricultural Research, 2004, 55, 433.	1.5	39
6	Comparative productivity and grazing behaviour of Huacaya alpacas and Peppin Merino sheep grazed on annual pastures. Small Ruminant Research, 2002, 44, 219-232.	0.6	37
7	Effects of different nutritional regimens on the productivity of Australian cashmere goats and the partitioning of nutrients between cashmere and hair growth. Australian Journal of Experimental Agriculture, 1988, 28, 459.	1.0	36
8	Relationship of body condition score, live weight, stocking rate and grazing system to the mortality of Angora goats from hypothermia and their use in the assessment of welfare risks. Australian Veterinary Journal, 2008, 86, 12-17.	0.5	32
9	The allometric relationship between mean fibre diameter of mohair and the fleece-free liveweight of Angora goats over their lifetime. Animal Production Science, 2012, 52, 35.	0.6	31
10	Influence of nutrition, fibre diameter and fibre length on the fibre curvature of cashmere. Australian Journal of Experimental Agriculture, 2003, 43, 1199.	1.0	30
11	Influence of stocking rate and mixed grazing of Angora goats and Merino sheep on animal and pasture production in southern Australia. 2. Liveweight, body condition score, carcass yield and mortality. Animal Production Science, 2010, 50, 149.	0.6	29
12	Incisor development, wear and loss in sheep and their impact on ewe production, longevity and economics: A review. Small Ruminant Research, 2011, 95, 79-87.	0.6	29
13	Optimising sampling techniques and estimating sampling variance of fleece quality attributes in alpacas. Small Ruminant Research, 2002, 44, 53-64.	0.6	27
14	Complementary selection and intake of annual pastures by sheep and goats. Small Ruminant Research, 1994, 14, 185-192.	0.6	26
15	Intake of trichostrongylid larvae by goats and sheep grazing together. Australian Veterinary Journal, 1994, 71, 361-364.	0.5	26
16	Processing and quality of cashmere tops for ultrafine wool worsted blend fabrics. International Journal of Clothing Science and Technology, 2004, 16, 119-131.	0.5	26
17	Contribution of objective and subjective attributes to the variation in commercial value of Australian mohair: implications for mohair production, genetic improvement, and mohair marketing. Australian Journal of Agricultural Research, 2004, 55, 1283.	1.5	26
18	Relationship between wearer prickle response with fibre and garment properties and Wool ComfortMeter assessment. Journal of the Textile Institute, 2013, 104, 618-627.	1.0	24

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19	Effect of fibre, yarn and knitted fabric attributes associated with wool comfort properties. Journal of the Textile Institute, 2013, 104, 606-617.	1.0	23
20	Variation in the softness and fibre curvature of cashmere, alpaca, mohair and other rare animal fibres. Journal of the Textile Institute, 2014, 105, 597-608.	1.0	23
21	Fleece metrology of Liaoning cashmere goats. Small Ruminant Research, 1991, 4, 61-71.	0.6	21
22	Effect of surface treatment and knit structure on comfort properties of wool fabrics. Journal of the Textile Institute, 2013, 104, 600-605.	1.0	21
23	Sources of variation contributing to production and quality attributes of Kyrgyz cashmere in Osh and Naryn provinces: Implications for industry development. Small Ruminant Research, 2009, 84, 89-99.	0.6	20
24	Determinants of cashmere production: The contribution of fleece measurements and animal growth on farms. Small Ruminant Research, 2008, 78, 96-105.	0.6	19
25	Frequency of shearing increases growth of fibre and changes objective and subjective attributes of Angora goat fleeces. Journal of Agricultural Science, 2008, 146, 351-361.	0.6	19
26	Cashmere production and fleece attributes associated with farm of origin, age and sex of goat in Australia. Australian Journal of Experimental Agriculture, 2008, 48, 1090.	1.0	19
27	Sources of variation affecting cashmere grown in the Pamir mountain districts of Tajikistan and implications for industry development. Small Ruminant Research, 2011, 99, 7-15.	0.6	19
28	A note on the assessment of down production in Australian â€˜cashmereâ€™ goats. Animal Science, 1983, 36, 317-320.	1.3	18
29	The Hairiness of Worsted Wool and Cashmere Yarns and the Impact of Fiber Curvature on Hairiness. Textile Reseach Journal, 2006, 76, 281-287.	1.1	18
30	Influence of stocking rate and mixed grazing of Angora goats and Merino sheep on animal and pasture production in southern Australia. 3. Mohair and wool production and quality. Animal Production Science, 2010, 50, 168.	0.6	18
31	Influence of stocking rate and mixed grazing of Angora goats and Merino sheep on animal and pasture production in southern Australia. 1. Botanical composition, sward characteristics and availability of components of annual temperate pastures. Animal Production Science, 2010, 50, 138.	0.6	17
32	Variation of fibre characteristics among sampling sites for Huacaya alpaca fleeces from the High Andes. Small Ruminant Research, 2012, 102, 191-196.	0.6	17
33	Comfort properties of superfine wool and wool/cashmere blend yarns and fabrics. Journal of the Textile Institute, 2013, 104, 634-640.	1.0	17
34	The effect of plasma treatment and loop length on the handle of lightweight jersey fabrics as assessed by the Wool HandleMeter. Textile Reseach Journal, 2015, 85, 1190-1197.	1.1	16
35	The effects of nutrition and parity on the development and productivity of Angora goats: 1. Manipulation of mid pregnancy nutrition on energy intake and maintenance requirement, kid birth weight, kid survival, doe live weight and mohair production. Small Ruminant Research, 2016, 145, 65-75.	0.6	16
36	Variation of mean fibre diameter across mohair fleeces: Implications for within flock animal selection, genetic selection, fleece classing and objective sale lot building. Small Ruminant Research, 2008, 75, 54-64.	0.6	15

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37	Implications to fleece evaluation derived from sources of variation contributing to cashmere fibre curvature. Small Ruminant Research, 2009, 81, 1-7.	0.6	15
38	Relationships between wearer assessment and the instrumental measurement of the handle and prickle of knitted wool fabrics. Textile Reseach Journal, 2015, 85, 1140-1152.	1.1	15
39	Coarser wool is not a necessary consequence of sheep aging: allometric relationship between fibre diameter and fleece-free liveweight of Saxon Merino sheep. Animal, 2016, 10, 2051-2060.	1.3	15
40	Relationships between live weight, body condition, dimensional and ultrasound scanning measurements and carcass attributes in adult Angora goats. Small Ruminant Research, 2017, 147, 8-17.	0.6	15
41	Production and quality of cashmere grown by adult wether goats fed low quality forage with supplements of either whole barley or lupin grain.. Australian Journal of Experimental Agriculture, 2000, 40, 795.	1.0	14
42	The allometric relationship between clean mohair growth and the fleece-free liveweight of Angora goats is affected by liveweight change. Animal Production Science, 2013, 53, 154.	0.6	14
43	Water intake of grazing Angora wether goats and Merino wether sheep. Australian Journal of Experimental Agriculture, 1986, 26, 639.	1.0	13
44	Effect of supplementary feeding, seasonal pastoral conditions and liveweight on cashmere production and cashmere fibre diameter. Small Ruminant Research, 1992, 8, 107-119.	0.6	13
45	Factors associated with low vitamin D status of Australian alpacas. Australian Veterinary Journal, 2008, 86, 486-490.	0.5	13
46	Predicting comfort properties of knitted fabrics by assessing yarns with the Wool ComfortMeter. Journal of the Textile Institute, 2013, 104, 628-633.	1.0	13
47	Feltability of cashmere and other rare animal fibres and the effects of nutrition and blending with wool on cashmere feltability. Journal of the Textile Institute, 2014, 105, 927-937.	1.0	13
48	Fabric handle properties of superfine wool fabrics with different fibre curvature, cashmere content and knitting tightness. Journal of the Textile Institute, 2016, 107, 562-577.	1.0	13
49	A review of cashmere nutrition experiments with suggestions for improving their design and conduct. Small Ruminant Research, 2009, 82, 71-83.	0.6	12
50	Soil nutrient accumulation in alpaca latrine sites. Small Ruminant Research, 2010, 94, 17-24.	0.6	12
51	Heat stress in Angora wether goats. Australian Veterinary Journal, 1985, 62, 349-350.	0.5	11
52	Blood mineral, trace-element and vitamin concentrations in Huacaya alpacas and Merino sheep grazing the same pasture. Animal Production Science, 2011, 51, 873.	0.6	11
53	Relationships between skin follicle characteristics and fibre properties of Suri and Huacaya alpacas and Peppin Merino sheep. Animal Production Science, 2012, 52, 442.	0.6	11
54	Cashmere-producing goats in Central Asia and Afghanistan. Animal Genetic Resources Information, 2009, 45, 15-27.	0.3	10

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55	Variation in mohair staple length over the lifetime of Angora goats. Animal Production Science, 2013, 53, 479.	0.6	10
56	On-farm factors affecting physical quality of Merino wool. 1. Nutrition, reproduction, health and management. Small Ruminant Research, 2016, 137, 138-150.	0.6	10
57	Variation of mohair staple length across Angora goat fleeces: implications for animal selection and fleece evaluation. Journal of Agricultural Science, 2009, 147, 493-501.	0.6	9
58	The relationship between the incidence of medullated fibres in mohair and live weight over the lifetime of Angora goats. Small Ruminant Research, 2013, 113, 90-97.	0.6	9
59	Associations between the physiological basis of fabric-evoked prickle, fiber and yarn characteristics and the Wool ComfortMeter value. Textile Reseach Journal, 2015, 85, 1122-1130.	1.1	9
60	Fabric and greasy wool handle, their importance to the Australian wool industry: a review. Animal Production Science, 2016, 56, 1.	0.6	9
61	Cuticle and cortical cell morphology of alpaca and other rare animal fibres. Journal of the Textile Institute, 2018, 109, 767-774.	1.0	9
62	Influence of energy and polymer-encapsulated methionine supplements on mohair growth and fibre diameter of Angora goats fed at maintenance. Australian Journal of Experimental Agriculture, 1989, 29, 179.	1.0	9
63	The food intake and growth of Australian feral cross Angora kids when fed whole grain barley-lupins diets with three levels of roughage intake. Australian Journal of Experimental Agriculture, 1984, 24, 77.	1.0	8
64	Feeding whole grain wheat to drought affected Angora goats, the influence of roughage on adaptation and estimate of energy requirements for maintenance. Animal Feed Science and Technology, 2006, 128, 53-66.	1.1	8
65	Cuticle and cortical cell morphology and the ellipticity of cashmere are affected by nutrition of goats. Journal of the Textile Institute, 2017, 108, 1739-1746.	1.0	8
66	The effects of nutrition and parity on the development and productivity of Angora goats: 2. Effects of six combinations of mid pregnancy and postnatal nutrition on energy intake and doe live weight, body condition and mohair production. Small Ruminant Research, 2017, 156, 42-49.	0.6	8
67	Growth and production of lactating Australian feral does and their Angora cross kids when fed oats with urea or lucerne chaff. Small Ruminant Research, 1988, 1, 195-201.	0.6	7
68	Boneless meat yields and prediction equations from carcass parameters of Australian cashmere goats. Small Ruminant Research, 1990, 3, 465-473.	0.6	7
69	The relationship between permanent incisor wear and mohair production and attributes in grazing adult Angora goats. Small Ruminant Research, 2011, 100, 37-43.	0.6	7
70	Production, properties and processing of American bison (Bison bison) wool grown in southern Australia. Animal Production Science, 2012, 52, 431.	0.6	7
71	The relationship of the incidence of medullated fibres to the dimensional properties of mohair over the lifetime of Angora goats. Small Ruminant Research, 2013, 115, 40-50.	0.6	7
72	The influence of stocking rate and mixed grazing of Angora goats and Merino sheep on animal and pasture production in southern Australia. 4. Gastrointestinal parasitism. Animal Production Science, 2014, 54, 587.	0.6	7

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73	Weathering, fibre strength and colour properties of processed white cashmere. Journal of the Textile Institute, 2016, 107, 1193-1202.	1.0	7
74	The effects of mid pregnancy and postnatal nutrition, birth parity and sex on Angora goat live weight gain, skin follicle development, mohair physical properties and fleece value. Small Ruminant Research, 2018, 169, 8-18.	0.6	7
75	Effect of supplementary feeding and zeranol on puberty in feral Cashmere goats. Australian Veterinary Journal, 1989, 66, 124-126.	0.5	6
76	Effects of nutrition and origin on the amino acid, grease, and suint composition and color of cashmere and guard hairs. Journal of Applied Polymer Science, 2010, 117, 409-420.	1.3	6
77	Gross margins in Australian mohair enterprises and relationships with farm inputs, productivity and mohair quality. Animal Production Science, 2010, 50, 573.	0.6	6
78	Grain excretion by goats fed whole or processed cereals with various roughages. Small Ruminant Research, 2013, 115, 21-28.	0.6	6
79	Effects of variation in wool fiber curvature and yarn hairiness on sensorial assessment of knitted fabrics. Textile Reseach Journal, 2015, 85, 1153-1166.	1.1	6
80	The effects of nutrition and parity on the development and productivity of Angora goats: 3. Effects of six combinations of mid pregnancy and postnatal nutrition on udder development, lactation, milk composition and net energy of milk production. Small Ruminant Research, 2018, 161, 13-23.	0.6	6
81	The influence of dietary protein and energy concentration on the growth of Merino weaner sheep. Australian Journal of Experimental Agriculture, 1980, 20, 308.	1.0	5
82	Variation of fibre diameter coefficient of variation and fibre curvature across mohair fleeces: Implications for animal selection, genetic selection and fleece evaluation. Small Ruminant Research, 2009, 85, 1-10.	0.6	5
83	Influence of grain supplements during winter on liveweight, mohair growth and mohair quality of weaner Angora goats. Animal Production Science, 2010, 50, 593.	0.6	5
84	Variation in the whiteness and brightness of white Australian cashmere associated with farm of origin and fibre attributes. Animal Production Science, 2012, 52, 436.	0.6	5
85	Indices for cashmere fleece competition and across farm comparisons: The role of staple length in identifying goats of higher cashmere production. Small Ruminant Research, 2014, 121, 131-135.	0.6	5
86	Effects of site of assessment and variation in wool quality traits on the tactile assessment of textural greasy wool handle. Animal Production Science, 2014, 54, 1665.	0.6	5
87	Communities caring for land and nature in Victoria. Journal of Outdoor and Environmental Education, 2020, 23, 153-171.	0.7	5
88	Phenotypic associations with fibre curvature standard deviation in cashmere. Small Ruminant Research, 2010, 91, 193-199.	0.6	4
89	Determinants of permanent first incisor eruption in grazing Australian Angora goats. Australian Veterinary Journal, 2011, 89, 490-495.	0.5	4
90	Relationships between sleeve trial and wearer trial assessment of discomfort and objective measurements. Textile Reseach Journal, 2015, 85, 272-280.	1.1	4

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91	Evaluation of controlledâ€rrelease devices for providing chromium sesquioxide and zinc in Huacaya alpacas at pasture. Australian Veterinary Journal, 2018, 96, 458-463.	0.5	4
92	Development and growth of mohair fleeces from birth and relationships between skin follicle populations, mohair physical properties, animal size and fleece value. Small Ruminant Research, 2020, 189, 106142.	0.6	4
93	Variation in the whiteness and brightness of mohair associated with farm, season, and mohair attributes. Small Ruminant Research, 2012, 107, 28-37.	0.6	3
94	Lifetime and fleece quality traits associated with the occurrence of entangled mohair staples. Small Ruminant Research, 2014, 116, 165-175.	0.6	3
95	Indices for the identification of biologically productive cashmere goats within farms. Small Ruminant Research, 2015, 129, 11-17.	0.6	3
96	Allometric relationships determined for skin area and fleece production of Angora goats. Small Ruminant Research, 2016, 145, 28-32.	0.6	3
97	Biometric characteristics in vicuÃ±as (Vicugna Vicugna mensalis). Small Ruminant Research, 2019, 175, 52-56.	0.6	3
98	Implications for the conservation of genetic diversity in mohair goats from a comparison of a relic island population with breeds farmed in Australia. Australian Journal of Experimental Agriculture, 1999, 39, 411.	1.0	3
99	Predicting textural greasy wool handle â€“ is it possible?. Journal of the Textile Institute, 2013, 104, 641-647.	1.0	2
100	Eruption of first permanent incisors and live weight gain in grazing yearling <scp>A</scp>ngora goats. Australian Veterinary Journal, 2013, 91, 179-184.	0.5	2
101	Effect of genotype and sex on fiber growth rate of alpacas for their first year of fleece production. Archivos De Medicina Veterinaria, 2014, 46, 151-155.	0.2	2
102	Wear of permanent incisors with age on commercial <scp>A</scp>ustralian <scp>A</scp>ngora goat farms. Australian Veterinary Journal, 2015, 93, 36-39.	0.5	2
103	Effect of yarn winding tension on the Wool ComfortMeter value when testing yarns. Textile Reseach Journal, 2015, 85, 1198-1206.	1.1	2
104	Investigating the Angora goat agro-pastoral production system in southern Australia. Small Ruminant Research, 2018, 163, 10-14.	0.6	2
105	Relationship of weaning weight to the mature liveweight of cashmere does on Australian farms. Animal Production Science, 2010, 50, 581.	0.6	2
106	Fibre production by beef cows. Animal Production Science, 2010, 50, 568.	0.6	2
107	The influence of zeranol implants on bodyweight gain of Angora wether goats. Australian Veterinary Journal, 1984, 61, 327-327.	0.5	1
108	Associations of mature live weight of Australian cashmere goats with farm of origin and age. Small Ruminant Research, 2010, 89, 1-6.	0.6	1

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109	The value of visual fleece assessment in addition to objective measurements in identifying Angora goats of greater clean mohair production. Small Ruminant Research, 2014, 120, 51-63.	0.6	1
110	Contribution of objective and subjective attributes to the variation in the whiteness and brightness of commercial mohair sale lots. Journal of the Textile Institute, 2016, 107, 531-545.	1.0	1
111	Prickle discomfort assessment of commercial knitted wool garments. International Journal of Clothing Science and Technology, 2018, 30, 73-81.	0.5	1
112	Effects of supplementary feeding lucerne hay and barley grain to Angora does during the last third of pregnancy and lactation, and of litter size on pasture, birth weight, live weight, parasitism, milk production, milk composition and mohair production. Small Ruminant Research, 2021, 195, 106303.	0.6	1
113	Digestion, faecal grain loss and energy requirements of Huacaya alpacas fed lucerne chaff, oat chaff and whole grain barley diets. Small Ruminant Research, 2021, 201, 106444.	0.6	1
114	The repeatability of textural wool handle. Animal Production Science, 2017, 57, 793.	0.6	0
115	Energy requirements for maintenance and growth of young pre-ruminant Angora goats. Small Ruminant Research, 2020, 188, 106140.	0.6	0