Andrew Loudon

List of Publications by Year
in descending order

149 papers	10,481 citations	38720 50 h-index	37183 96 g-index
153 all docs	153 docs citations	153 times ranked	10541 citing authors

#	Article	IF	Citations
1	Cryptochrome proteins regulate the circadian intracellular behavior and localization of PER2 in mouse suprachiasmatic nucleus neurons. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	20
2	Quantification of protein abundance and interaction defines a mechanism for operation of the circadian clock. ELife, 2022, 11, .	2.8	18
3	Chronic inflammatory arthritis drives systemic changes in circadian energy metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112781119.	3.3	11
4	Response to correspondence on â€œReproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluationâ€. Genome Biology, 2021, 22, 99.	3.8	4
5	Nuclear receptor REVERBÎ± is a state-dependent regulator of liver energy metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25869-25879.	3.3	34
6	Circadian VIPergic Neurons of the Suprachiasmatic Nuclei Sculpt the Sleep-Wake Cycle. Neuron, 2020, 108, 486-499.e5.	3.8	55
7	Circadian clock mechanism driving mammalian photoperiodism. Nature Communications, 2020, 11, 4291.	5.8	42
8	The quail genome: insights into social behaviour, seasonal biology and infectious disease response. BMC Biology, 2020, 18, 14.	1.7	40
9	Seasonal changes in NRF2 antioxidant pathway regulates winter depression-like behavior. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9594-9603.	3.3	30
10	Cardiac mitochondrial function depends on BUD23 mediated ribosome programming. ELife, 2020, 9, .	2.8	10
11	Circadian Gene Profiling in Laser Capture Microdissected Mouse Club Cells. Bio-protocol, 2020, 10, e3590.	0.2	0
12	Medicine in the Fourth Dimension. Cell Metabolism, 2019, 30, 238-250.	7.2	245
13	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. Genome Biology, 2019, 20, 171.	3.8	69
14	The circadian clock components BMAL1 and REV-ERBÎ± regulate flavivirus replication. Nature Communications, 2019, 10, 377.	5.8	71
15	Circadian rhythm of exhaled biomarkers in health and asthma. European Respiratory Journal, 2019, 54, 1901068.	3.1	37
16	Genomeâ€wide effect of pulmonary airway epithelial cellâ€"specific <i>Bmal1</i> deletion. FASEB Journal, 2019, 33, 6226-6238.	0.2	40
17	Rheumatoid arthritis reprograms circadian output pathways. Arthritis Research and Therapy, 2019, 21, 47.	1.6	29
18	Biological and clinical insights from genetics of insomnia symptoms. Nature Genetics, 2019, 51, 387-393.	9.4	250

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19	Circadian variation in pulmonary inflammatory responses is independent of rhythmic glucocorticoid signaling in airway epithelial cells. FASEB Journal, 2019, 33, 126-139.	0.2	39
20	Incidence of primary graft dysfunction after lung transplantation is altered by timing of allograft implantation. Thorax, 2019, 74, 413-416.	2.7	23
21	Reply to Moitra <i>et al.</i>: Individual Chronotype May Confound Asthma Symptoms and Therapy. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 392-394.	2.5	3
22	Clocking in to immunity. Nature Reviews Immunology, 2018, 18, 423-437.	10.6	346
23	The pars tuberalis: The site of the circannual clock in mammals?. General and Comparative Endocrinology, 2018, 258, 222-235.	0.8	51
24	Circadian clock component REV-ERBÎ± controls homeostatic regulation of pulmonary inflammation. Journal of Clinical Investigation, 2018, 128, 2281-2296.	3.9	147
25	Time of Day Affects Eosinophil Biomarkers in Asthma: Implications for Diagnosis and Treatment. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1578-1581.	2.5	53
26	REVERBa couples the circadian clock to hepatic glucocorticoid action. Journal of Clinical Investigation, 2018, 128, 4454-4471.	3.9	70
27	Genome-wide association analyses of sleep disturbance traits identify new loci and highlight shared genetics with neuropsychiatric and metabolic traits. Nature Genetics, 2017, 49, 274-281.	9.4	280
28	Diurnal and photoperiodic changes in thyrotrophinâ€stimulating hormone Î² expression and associated regulation of deiodinase enzymes (<i><scp>DIO</scp>2, <scp>DIO</scp>3</i>) in the female juvenile chicken hypothalamus. Journal of Neuroendocrinology, 2017, 29, e12554.	1.2	13
29	Visualizing and Quantifying Intracellular Behavior and Abundance of the Core Circadian Clock Protein PERIOD2. Current Biology, 2016, 26, 1880-1886.	1.8	47
30	The circadian clock regulates inflammatory arthritis. FASEB Journal, 2016, 30, 3759-3770.	0.2	71
31	Genome-wide association analysis identifies novel loci for chronotype in 100,420 individuals from the UK Biobank. Nature Communications, 2016, 7, 10889.	5.8	237
32	Immunity around the clock. Science, 2016, 354, 999-1003.	6.0	228
33	A matter of time: study of circadian clocks and their role in inflammation. Journal of Leukocyte Biology, 2016, 99, 549-560.	1.5	63
34	Natural selection against a circadian clock gene mutation in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 686-691.	3.3	123
35	Binary Switching of Calendar Cells in the Pituitary Defines the Phase of the Circannual Cycle in Mammals. Current Biology, 2015, 25, 2651-2662.	1.8	97
36	Looking Inside the Seasonal Clock. Journal of Neuroendocrinology, 2015, 27, 76-77.	1.2	3

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37	Adiponectin Induces A20 Expression in Adipose Tissue to Confer Metabolic Benefit. Diabetes, 2015, 64, 128-136.	0.3	31
38	The circadian clock regulates rhythmic activation of the NRF2/glutathione-mediated antioxidant defense pathway to modulate pulmonary fibrosis. Genes and Development, 2014, 28, 548-560.	2.7	229
39	Clocks for all seasons: unwinding the roles and mechanisms of circadian and interval timers in the hypothalamus and pituitary. Journal of Endocrinology, 2014, 222, R39-R59.	1.2	151
40	The circadian clock and asthma. Thorax, 2014, 69, 90-92.	2.7	102
41	Hearing Damage and Deafness: AÂRole for the Circadian Clock. Current Biology, 2014, 24, R232-R234.	1.8	1
42	An epithelial circadian clock controls pulmonary inflammation and glucocorticoid action. Nature Medicine, 2014, 20, 919-926.	15.2	356
43	A Novel Mechanism Controlling Resetting Speed of the Circadian Clock to Environmental Stimuli. Current Biology, 2014, 24, 766-773.	1.8	46
44	The Circadian Clock Gene Csnk1e Regulates Rapid Eye Movement Sleep Amount, and Nonrapid Eye Movement Sleep Architecture in Mice. Sleep, 2014, 37, 785-793.	0.6	18
45	A Gq-Ca2+ Axis Controls Circuit-Level Encoding of Circadian Time in the Suprachiasmatic Nucleus. Neuron, 2013, 78, 714-728.	3.8	164
46	Hypothalamic clocks and rhythms in feeding behaviour. Trends in Neurosciences, 2013, 36, 74-82.	4.2	118
47	Optimized Chemical Probes for REV-ERBÎ±. Journal of Medicinal Chemistry, 2013, 56, 4729-4737.	2.9	73
48	<i>Npas4</i>Is Activated by Melatonin, and Drives the Clock Gene<i>Cry1</i>in the Ovine Pars Tuberalis. Molecular Endocrinology, 2013, 27, 979-989.	3.7	28
49	Pin1 promotes GR transactivation by enhancing recruitment to target genes. Nucleic Acids Research, 2013, 41, 8515-8525.	6.5	18
50	Csnk1e Is a Genetic Regulator of Sensitivity to Psychostimulants and Opioids. Neuropsychopharmacology, 2012, 37, 1026-1035.	2.8	60
51	The nuclear receptor REV-ERBÎ± mediates circadian regulation of innate immunity through selective regulation of inflammatory cytokines. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 582-587.	3.3	535
52	Circadian Biology: A 2.5 Billion YearÂOld Clock. Current Biology, 2012, 22, R570-R571.	1.8	63
53	Lithium Impacts on the Amplitude and Period of the Molecular Circadian Clockwork. PLoS ONE, 2012, 7, e33292.	1.1	130
54	A Role for the Melatonin-Related Receptor GPR50 in Leptin Signaling, Adaptive Thermogenesis, and Torpor. Current Biology, 2012, 22, 70-77.	1.8	83

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55	Ultradian Cortisol Pulsatility Encodes a Distinct, Biologically Important Signal. PLoS ONE, 2011, 6, e15766.	1.1	44
56	GPR50 Interacts with TIP60 to Modulate Glucocorticoid Receptor Signalling. PLoS ONE, 2011, 6, e23725.	1.1	26
57	Evidence for RGS4 Modulation of Melatonin and Thyrotrophin Signalling Pathways in the Pars Tuberalis. Journal of Neuroendocrinology, 2011, 23, 725-732.	1.2	17
58	Tuning the Period of the Mammalian Circadian Clock: Additive and Independent Effects of CK1Îµ^{Tau}and Fbxl3^{Afh}Mutations on Mouse Circadian Behavior and Molecular Pacemaking. Journal of Neuroscience, 2011, 31, 1539-1544.	1.7	42
59	A Circadian Clock Is Not Required in an Arctic Mammal. Current Biology, 2010, 20, 533-537.	1.8	129
60	Identification of Eya3 and TAC1 as Long-Day Signals in the Sheep Pituitary. Current Biology, 2010, 20, 829-835.	1.8	75
61	A Molecular Switch for Photoperiod Responsiveness in Mammals. Current Biology, 2010, 20, 2193-2198.	1.8	235
62	Entrainment of disrupted circadian behavior through inhibition of casein kinase 1 (CK1) enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15240-15245.	3.3	219
63	Circadian dysfunction in disease. Trends in Pharmacological Sciences, 2010, 31, 191-198.	4.0	191
64	Selective Inhibition of Casein Kinase 1Îµ Minimally Alters Circadian Clock Period. Journal of Pharmacology and Experimental Therapeutics, 2009, 330, 430-439.	1.3	157
65	Circadian Timing in the Lung; A Specific Role for Bronchiolar Epithelial Cells. Endocrinology, 2009, 150, 268-276.	1.4	112
66	Photoperiodic regulation of cellular retinoic acid-binding protein 1, GPR50 and nestin in tanycytes of the third ventricle ependymal layer of the Siberian hamster. Journal of Endocrinology, 2009, 203, 311.	1.2	0
67	New Insights into Ancient Seasonal Life Timers. Current Biology, 2008, 18, R795-R804.	1.8	115
68	Setting Clock Speed in Mammals: The CK1É› tau Mutation in Mice Accelerates Circadian Pacemakers by Selectively Destabilizing PERIOD Proteins. Neuron, 2008, 58, 78-88.	3.8	342
69	Ligand modulation of REV-ERBÎ± function resets the peripheral circadian clock in a phasic manner. Journal of Cell Science, 2008, 121, 3629-3635.	1.2	110
70	Real-time analysis of gene regulation by glucocorticoid hormones. Journal of Endocrinology, 2008, 197, 205-211.	1.2	4
71	Influence of torpor on cardiac expression of genes involved in the circadian clock and protein turnover in the Siberian hamster (<i>Phodopus sungorus</i>). Physiological Genomics, 2007, 31, 521-530.	1.0	17
72	The Biology of the Circadian Ck1Îµ<i>tau</i>Mutation in Mice and Syrian Hamsters: A Tale of Two Species. Cold Spring Harbor Symposia on Quantitative Biology, 2007, 72, 261-271.	2.0	38

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73	Histamine H₃ Receptor and Orexin A Expression During Daily Torpor in the Djungarian Hamster (<i>Phodopus sungorus</i>). Journal of Neuroendocrinology, 2007, 19, 1001-1007.	1.2	15
74	Adaptations for life in the Arctic: evidence that melatonin rhythms in reindeer are not driven by a circadian oscillator but remain acutely sensitive to environmental photoperiod. Journal of Pineal Research, 2007, 43, 289-293.	3.4	51
75	Circannual Clocks: Annual Timers Unraveled in Sheep. Current Biology, 2007, 17, R216-R217.	1.8	15
76	Metabolic Regulation: Fasting in the Dark. Current Biology, 2006, 16, R254-R255.	1.8	3
77	Photoperiodic regulation of cellular retinoic acid-binding protein 1, GPR50 and nestin in tanycytes of the third ventricle ependymal layer of the Siberian hamster. Journal of Endocrinology, 2006, 191, 687-698.	1.2	99
78	Circadian Biology: Clocks within Clocks. Current Biology, 2005, 15, R455-R457.	1.8	22
79	Gene duplication and complex circadian clocks in mammals. Trends in Genetics, 2005, 21, 46-53.	2.9	40
80	Photoperiod-dependent modulation of cardiac excitation contraction coupling in the Siberian hamster. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R607-R614.	0.9	18
81	The tau Mutation in the Syrian Hamster Differentially Reprograms the Circadian Clock in the SCN and Peripheral Tissues. Journal of Biological Rhythms, 2005, 20, 99-110.	1.4	38
82	Skeletal bone morphology is resistant to the high amplitude seasonal leptin cycle in the Siberian hamster. Journal of Endocrinology, 2005, 186, 475-479.	1.2	7
83	Photoperiod Differentially Regulates Circadian Oscillators in Central and Peripheral Tissues of the Syrian Hamster. Current Biology, 2003, 13, 1543-1548.	1.8	73
84	Heterogeneous regulation of individual lactotroph cells by photoperiod in the Syrian hamster (Mesocricetus auratus). General and Comparative Endocrinology, 2003, 134, 182-186.	0.8	11
85	Leptin and Seasonal Mammals. Journal of Neuroendocrinology, 2003, 15, 409-414.	1.2	84
86	Real-time imaging of gene promoter activity using an adenoviral reporter construct demonstrates transcriptional dynamics in normal anterior pituitary cells. Journal of Endocrinology, 2003, 178, 61-69.	1.2	22
87	Evidence for an endogenous per1 â€•and ICER â€independent seasonal timer in the hamster pituitary gland. FASEB Journal, 2003, 17, 810-815.	0.2	53
88	Dynamic Patterns of Growth Hormone Gene Transcription in Individual Living Pituitary Cells. Molecular Endocrinology, 2003, 17, 193-202.	3.7	26
89	Different Photoperiods Affect Proliferation of Lymphocytes but Not Expression of Cellular, Humoral, or Innate Immunity in Hamsters. Journal of Biological Rhythms, 2002, 17, 392-405.	1.4	15
90	Cocaine and Amphetamine-Regulated Transcript mRNA Regulation in the Hypothalamus in Lean and Obese Rodents. Journal of Neuroendocrinology, 2002, 14, 697-709.	1.2	51

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91	Posttranslational Mechanisms Regulate the Mammalian Circadian Clock. Cell, 2001, 107, 855-867.	13.5	1,071
92	Photoperiodic Regulation of Prolactin Gene Expression in the Syrian Hamster by a Pars Tuberalis-Derived Factor. Journal of Neuroendocrinology, 2001, 13, 147-157.	1.2	59
93	Androgen receptors are only present in mesenchyme-derived dermal papilla cells of red deer (Cervus) Tj ETQq1 1 0.784314 rgBT /Overlo Endocrinology, 2001, 168, 401-408.	1.2	23
94	Persistent Synchronized Oscillations in Prolactin Gene Promoter Activity in Living Pituitary Cells¹. Endocrinology, 2001, 142, 3255-3260.	1.4	29
95	A brief history of circadian time. Trends in Genetics, 2000, 16, 477-481.	2.9	21
96	Leptin actions on food intake and body temperature are mediated by IL-1. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7047-7052.	3.3	343
97	Expression of vasoactive intestinal peptide mRNA in the suprachiasmatic nuclei of the circadian tau mutant hamster. Neuroscience Letters, 1998, 249, 147-150.	1.0	7
98	Effects of a circadian mutation on seasonality in Syrian hamsters (Mesocricetus auratus). Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 517-521.	1.2	24
99	Metabolic Rate Changes Proportionally to Circadian Frequency in tau Mutant Syrian Hamsters. Journal of Biological Rhythms, 1997, 12, 413-422.	1.4	43
100	Behavioral Dominance and Corpus Luteum Function in Red DeerCervus elaphus. Hormones and Behavior, 1997, 31, 296-304.	1.0	15
101	Manipulating melatonin in red deer (Cervus elaphus): Differences in the response to food restriction and lactation on the timing of the breeding season and prolactin-dependent pelage changes. The Journal of Experimental Zoology, 1995, 273, 12-20.	1.4	18
102	Expression of the prolactin receptor gene during the breeding and non-breeding seasons in red deer (Cervus elaphus): evidence for the expression of two forms in the testis. Journal of Endocrinology, 1995, 146, 313-321.	1.2	23
103	Gonadal Responses of the Male Tau Mutant Syrian Hamster to Short-Day-Like Programmed Infusions of Melatonin1. Biology of Reproduction, 1995, 53, 361-367.	1.2	17
104	Immunoneutralization with a monoclonal antibody attenuates the superstimulatory effects of PMSG on endocrine and ovarian responses in red deer (). Theriogenology, 1995, 43, 1339-1350.	0.9	9
105	Behavioural and cellular responses to light of the circadian system of Tau mutant and wild-type syrian hamsters. Neuroscience, 1995, 65, 587-597.	1.1	31
106	Photoperiod and the regulation of annual and circannual cycles of food intake. Proceedings of the Nutrition Society, 1994, 53, 495-507.	0.4	46
107	Successful embryo transfer following artificial insemination of superovulated fallow deer (Dama) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	16
108	Oxytocin stimulates uterine prostaglandin F2 alpha secretion in red deer Cervus elaphus. Reproduction, Fertility and Development, 1994, 6, 269.	0.1	10

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109	Conception rates following intrauterine insemination of European (Dama dama dama) fallow deer does with fresh or frozen-thawed Mesopotamian (Dama dama mesopotamica) fallow deer spermatoza. Journal of Zoology, 1993, 230, 379-384.	0.8	16
110	The influence of birth date on the development of seasonal cycles in red deer hinds (<i>Cervus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.8	15
111	Circadian and daily rhythms of melatonin in the blood and pineal gland of free-running and entrained Syrian hamsters. Journal of Endocrinology, 1993, 136, 65-73.	1.2	65
112	Gestation periods in the Pere David's deer (Elaphurus davidianus): evidence for embryonic diapause or delayed development. Reproduction, Fertility and Development, 1993, 5, 567.	0.1	17
113	The Interaction of Food Availability and Endogenous Physiological Cycles on the Grazing Ecology of Red Deer Hinds (Cervus elaphus). Functional Ecology, 1993, 7, 216.	1.7	27
114	Evidence for a circannual rhythm of reproduction and prolactin secretion in a seasonally breeding macropodid marsupial, the Bennett's wallaby (Macropus rufogriseus rufogriseus). Reproduction, 1993, 98, 625-630.	1.1	8
115	Hormones and hair growth: Variations in androgen receptor content of dermal papilla cells cultured from human and red deer (Cervus Elaphus) hair follicles. Journal of Investigative Dermatology, 1993, 101, S114-S120.	0.3	16
116	Effect of age and time of day on the timing of the surge in luteinizing hormone, behavioural oestrus and mating in red deer hinds (Cervus elaphus). Reproduction, 1992, 96, 667-672.	1.1	8
117	Seasonal and lactational effects on the prolactin response to a dopamine antagonist and TRH in the Bennett's wallaby (Macropus rufogriseus rufogriseus). General and Comparative Endocrinology, 1992, 86, 323-331.	0.8	2
118	Purification, partial characterization, and heterologous radioimmunoassay of growth hormone (cGH) in red deer. General and Comparative Endocrinology, 1992, 88, 1-9.	0.8	7
119	Prostaglandin-induced secretion of oxytocin and prolactin in red (Cervus elaphus) and Pere David's (Elaphurus davidianus) deer hinds: Evidence for oxytocin of luteal origin. General and Comparative Endocrinology, 1991, 83, 432-438.	0.8	14
120	LH secretion and response to GnRH during seasonal anoestrus of the Pere David's deer hind (Elaphurus davidianus). Reproduction, 1991, 91, 131-138.	1.1	6
121	Efficacy of intermittent or continuous administration of GnRH in inducing ovulation in early and late seasonal anoestrus in the Pere David's deer hind (Elaphurus davidianus). Reproduction, 1991, 91, 229-238.	1.1	16
122	Roles of prolactin and the uterus in the control of luteal regression in the Bennett's wallaby (Macropus rufogriseus rufogriseus). Reproduction, Fertility and Development, 1990, 2, 71.	0.1	16
123	Melatonin implants prevent the onset of seasonal quiescence and suppress the release of prolactin in response to a dopamine antagonist in the Bennett's wallaby (Macropus rufogriseus rufogriseus). Reproduction, 1990, 90, 611-618.	1.1	5
124	Pulsatile secretion of LH during the periovulatory and luteal phases of the oestrous cycle in the Pere David's deer hind (Elaphurus davidianus). Reproduction, 1990, 89, 663-670.	1.1	9
125	Effects of melatonin and a dopamine agonist and antagonist on seasonal changes in voluntary intake, reproductive activity and plasma concentrations of prolactin and tri-iodothyronine in red deer hinds. Journal of Endocrinology, 1990, 125, 241-249.	1.2	48
126	Evidence that the seasonally breeding Bennett's wallaby (Macropus rufogriseus rufogriseus) does not exhibit short-day photorefractoriness. Reproduction, 1989, 87, 641-648.	1.1	6

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127	A comparison of the seasonal hormone changes and patterns of growth, voluntary food intake and reproduction in juvenile and adult red deer (Cervus elaphus) and PÃ¨re David's deer (Elaphurus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.2	96
128	Effect of exogenous prolactin and bromocriptine on seasonal reproductive quiescence in the Bennett's wallaby (Macropus rufogriseus rufogriseus). Journal of Endocrinology, 1989, 120, 189-193.	1.2	5
129	Rhythms of reproduction, metabolism and coat growth in deer: a model for all non-domesticated seasonal ungulates?. Zoological Journal of the Linnean Society, 1989, 95, 107-107.	1.0	0
130	The Role of Refractoriness to Long Daylength in the Annual Reproductive Cycle of the Female Bennett's Wallaby (Macropus rufogriseus rufogriseus). The Journal of Experimental Zoology, 1989, 252, 200-206.	1.4	6
131			

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145	The effect of melatonin on the seasonal embryonic diapause of the Bennett's wallaby (<i>Macropus) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	15
146	Control of fertility in red deer (reply). Nature, 1984, 307, 296-296.	13.7	0
147	The lactation performance of red deer on hill and improved species pastures. Journal of Agricultural Science, 1984, 102, 149-158.	0.6	51
148	Nutrition and lactational control of fertility in red deer. Nature, 1983, 302, 145-147.	13.7	162
149	The Control of Roe Deer Populations: a Problem in Forest Management. Forestry, 1978, 51, 73-83.	1.2	10