Vinod Kumar

List of Publications by Year
in descending order

156 papers	4,872 citations	117453 34 h-index	123241 61 g-index
156 all docs	156 docs citations	156 times ranked	4577 citing authors

#	Article	IF	Citations
1	Transcriptional Architecture and Chromatin Landscape of the Core Circadian Clock in Mammals. Science, 2012, 338, 349-354.	6.0	1,194
2	Disrupted seasonal biology impacts health, food security and ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151453.	1.2	130
3	Biological Clocks and Regulation of Seasonal Reproduction and Migration in Birds. Physiological and Biochemical Zoology, 2010, 83, 827-835.	0.6	113
4	COVID-19-mandated social restrictions unveil the impact of social time pressure on sleep and body clock. Scientific Reports, 2020, 10, 22225.	1.6	105
5	The Bird Clock: A Complex, Multi-Oscillatory and Highly Diversified System. Biological Rhythm Research, 2004, 35, 121-144.	0.4	97
6	The circadian nature of melatonin secretion in Japanese quail (Coturnix coturnix japonica). Journal of Pineal Research, 1993, 14, 192-200.	3.4	80
7	EFFECTS OF DURATION AND TIME OF FOOD AVAILABILITY ON PHOTOPERIODIC RESPONSES IN THE MIGRATORY MALE BLACKHEADED BUNTING (EMBERIZA MELANOCEPHALA). Journal of Experimental Biology, 2001, 204, 2843-2848.	0.8	77
8	Neural Correlates of Migration: Activation of Hypothalamic Clock(s) in and out of Migratory State in the Blackheaded Bunting (Emberiza melanocephala). PLoS ONE, 2013, 8, e70065.	1.1	71
9	A camera-phone based study reveals erratic eating pattern and disrupted daily eating-fasting cycle among adults in India. PLoS ONE, 2017, 12, e0172852.	1.1	70
10	Wavelength Dependency of Light-Induced Effects on Photoperiodic Clock in the Migratory Blackheaded Bunting (Emberiza melanocephala). Chronobiology International, 2004, 21, 367-384.	0.9	67
11	Daily Expression of Six Clock Genes in Central and Peripheral Tissues of a Night-Migratory SongBird: Evidence for Tissue-Specific Circadian Timing. Chronobiology International, 2013, 30, 1208-1217.	0.9	64
12	Facile, rapid and upscaled synthesis of green luminescent functional graphene quantum dots for bioimaging. RSC Advances, 2014, 4, 21101.	1.7	61
13	Annual Life Historyâ€“Dependent Gene Expression in the Hypothalamus and Liver of a Migratory Songbird. Journal of Biological Rhythms, 2014, 29, 332-345.	1.4	59
14	Regulation of seasonality in the migratory male blackheaded bunting (Emberiza melanocephala). Reproduction, Nutrition, Development, 2004, 44, 341-352.	1.9	57
15	Cefuroxime axetil loaded solid lipid nanoparticles for enhanced activity against S. aureus biofilm. Colloids and Surfaces B: Biointerfaces, 2014, 121, 92-98.	2.5	57
16	Circadian timing in central and peripheral tissues in a migratory songbird: dependence on annual lifeâ€history states. FASEB Journal, 2015, 29, 4248-4255.	0.2	57
17	Effects of duration and time of food availability on photoperiodic responses in the migratory male blackheaded bunting (Emberiza melanocephala). Journal of Experimental Biology, 2001, 204, 2843-8.	0.8	57
18	Avian photoreceptors and their role in the regulation of daily and seasonal physiology. General and Comparative Endocrinology, 2015, 220, 13-22.	0.8	56

#	ARTICLE	IF	CITATIONS
19	Daily light regulates seasonal responses in the migratory male redheaded bunting (Emberiza) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 541-550.	1.3	53
20	Phase inversion of neural activity in the olfactory and visual systems of a night-migratory bird during migration. European Journal of Neuroscience, 2011, 34, 99-109.	1.2	51
21	Circadian rhythms of melatonin in European starlings exposed to different lighting conditions: relationship with locomotor and feeding rhythms. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2000, 186, 205-215.	0.7	49
22	Duration of Melatonin Regulates Seasonal Changes in Song Control Nuclei of the House Sparrow,Passer domesticus: Independence from Gonads and Circadian Entrainment. Journal of Biological Rhythms, 2008, 23, 49-58.	1.4	48
23	Food deprivation during photosensitive and photorefractory life-history stages affects the reproductive cycle in the migratory Red-headed Bunting(Emberiza bruniceps). Journal of Experimental Biology, 2009, 212, 225-230.	0.8	47
24	Ecotoxic impact assessment of graphene oxide on lipid peroxidation at mitochondrial level and redox modulation in fresh water fish Anabas testudineus. Chemosphere, 2019, 224, 796-804.	4.2	45
25	Seasonal variations of in vivo and in vitro melatonin production in a passeriform bird, the house sparrow (Passer domesticus). Journal of Pineal Research, 2001, 31, 120-126.	3.4	43
26	Hypothalamic gene switches control transitions between seasonal life history states in a night-migratory photoperiodic songbird. Molecular and Cellular Endocrinology, 2015, 399, 110-121.	1.6	42
27	Changes in food intake, body weight, gonads and plasma concentrations of thyroxine, luteinizing hormone and testosterone in captive male buntings exposed to natural daylengths at 29Â° N. Journal of Biosciences, 1995, 20, 417-426.	0.5	41
28	Circadian Genomics of the Chick Pineal Gland In Vitro. BMC Genomics, 2008, 9, 206.	1.2	41
29	Illuminated night alters hippocampal gene expressions and induces depressiveâ€like responses in diurnal corvids. European Journal of Neuroscience, 2018, 48, 3005-3018.	1.2	39
30	Circadian nature of the photoperiodic clock in Japanese quail. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1992, 171, 533-40.	0.7	38
31	Nanostructured palladium-reduced graphene oxide platform for high sensitive, label free detection of a cancer biomarker. RSC Advances, 2013, 4, 2267-2273.	1.7	38
32	Functional similarity in relation to the external environment between circadian behavioral and melatonin rhythms in the subtropical Indian weaver bird. Hormones and Behavior, 2012, 61, 527-534.	1.0	37
33	PRESENCE OF A CONSPECIFIC RENDERS SURVIVAL ADVANTAGES IN THE MIGRATORY REDHEADED BUNTING: TEST THROUGH THE EFFECTS OF RESTRICTED FEEDING ON CIRCADIAN RESPONSE AND SURVIVORSHIP. Chronobiology International, 2010, 27, 111-127.	0.9	36
34	Photoperiodic Responses of a Subtropical Migratory Finch, the Black-Headed Bunting (Emberiza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	0.7	35
35	Seasonal Plasticity in the Peptide Neuronal Systems: Potential Roles of Gonadotrophinâ€Releasing Hormone, Gonadotrophinâ€Inhibiting Hormone, <scp>Neuropeptide Y</scp> and <scp>Vasoactive Intestinal Peptide</scp> in the Regulation of the Reproductive Axis in Subtropical Indian Weaver Birds. Journal of Neuroendocrinology, 2015, 27, 357-369.	1.2	35
36	Seasonal alterations in the daily rhythms in hypothalamic expression of genes involved in the photoperiodic transduction and neurosteroidâ€dependent processes in migratory blackheaded buntings. Journal of Neuroendocrinology, 2017, 29, .	1.2	34

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37	Difference in control between spring and autumn migration in birds: insight from seasonal changes in hypothalamic gene expression in captive buntings. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181531.	1.2	34
38	Role of melatonin in photoperiodic time measurement in the migratory redheaded bunting (Emberiza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Zoology, 2002, 292, 277-286.	1.4	33
39	Effect of no-night light environment on behaviour, learning performance and personality in zebra finches. Animal Behaviour, 2017, 132, 29-47.	0.8	33
40	Synchronization of Indian Weaver Bird Circadian Rhythms to Food and Light Zeitgebers: Role of Pineal. Chronobiology International, 2009, 26, 653-665.	0.9	32
41	Persistence of circannual rhythms under constant periodic and aperiodic light conditions: sex differences and relationship with the external environment. Journal of Experimental Biology, 2012, 215, 3774-85.	0.8	32
42	Avian circannual systems: Persistence and sex differences. General and Comparative Endocrinology, 2013, 190, 61-67.	0.8	32
43	A photoperiodic molecular response in migratory redheaded bunting exposed to a single long day. General and Comparative Endocrinology, 2014, 204, 104-113.	0.8	32
44	Pinealectomy abolishes circadian behavior and interferes with circadian clock gene oscillations in brain and liver but not retina in a migratory songbird. Physiology and Behavior, 2016, 156, 156-163.	1.0	32
45	Illuminated night alters behaviour and negatively affects physiology and metabolism in diurnal zebra finches. Environmental Pollution, 2019, 254, 112916.	3.7	32
46	Temperature alters the hypothalamic transcription of photoperiod responsive genes in induction of seasonal response in migratory redheaded buntings. Molecular and Cellular Endocrinology, 2019, 493, 110454.	1.6	32
47	Graphene Oxide Synergistically Enhances Antibiotic Efficacy in Vancomycin-Resistant Staphylococcus aureus. ACS Applied Bio Materials, 2019, 2, 1148-1157.	2.3	31
48	Daily levels and rhythm in circulating corticosterone and insulin are altered with photostimulated seasonal states in night-migratory blackheaded buntings. Hormones and Behavior, 2017, 94, 114-123.	1.0	30
49	Outdoor daylight exposure and longer sleep promote wellbeing under COVIDâ€19 mandated restrictions. Journal of Sleep Research, 2022, 31, e13471.	1.7	30
50	Circadian periodicity and the initiation of gonadal growth in male blackheaded buntings (Emberiza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Physiology, 1981, 144, 201-203.	0.7	29
51	Hypothalamic and liver transcriptome from two crucial lifeâ€history stages in a migratory songbird. Experimental Physiology, 2018, 103, 559-569.	0.9	29
52	Biological clocks help reduce the physiological conflicts in avian migrants. Journal of Ornithology, 2006, 147, 281-286.	0.5	28
53	Concurrent hypothalamic gene expression under acute and chronic long days: Implications for initiation and maintenance of photoperiodic response in migratory songbirds. Molecular and Cellular Endocrinology, 2017, 439, 81-94.	1.6	28
54	Temporal Expression of c-fos and Genes Coding for Neuropeptides and Enzymes of Amino Acid and Amine Neurotransmitter Biosynthesis in Retina, Pineal and Hypothalamus of a Migratory Songbird: Evidence for Circadian Rhythm-Dependent Seasonal Responses. Neuroscience, 2018, 371, 309-324.	1.1	28

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55	Duration of melatonin regulates seasonal plasticity in subtropical Indian weaver bird, Ploceus philippinus. General and Comparative Endocrinology, 2015, 220, 46-54.	0.8	27
56	Differential activation and tyrosine hydroxylase distribution in the hippocampal, pallial and midbrain brain regions in response to cognitive performance in Indian house crows exposed to abrupt light environment. Behavioural Brain Research, 2016, 314, 21-29.	1.2	27
57	Photoperiodism in higher vertebrates: an adaptive strategy in temporal environment. Indian Journal of Experimental Biology, 1997, 35, 427-37.	0.5	26
58	Photoperiodism, pineal clock and seasonal reproduction in the Indian Weaver Bird (Ploceus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.2	25
59	Life at a different pace: Annual itineraries are conserved in seasonal songbirds. Journal of Biosciences, 2014, 39, 485-491.	0.5	25
60	Neural control of daily and seasonal timing of songbird migration. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2017, 203, 399-409.	0.7	25
61	Self-recognition in corvids: evidence from the mirror-mark test in Indian house crows (Corvus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	25
62	The photoperiodic clock in blackheaded buntings (Emberiza melanocephala) is mediated by a self-sustaining circadian system. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1996, 179, 59-64.	0.7	24
63	Response to experimental photoperiods by a migratory bunting, Emberiza melanocephala. Ibis, 1983, 125, 305-312.	1.0	24
64	Adaptation of oxidative phosphorylation to photoperiod-induced seasonal metabolic states in migratory songbirds. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 184, 34-40.	0.8	24
65	Plasma levels of luteinizing hormone in intact and castrated photosensitive blackheaded buntings (Emberiza melanocephala) exposed to stimulatory and nonstimulatory photoperiods. Reproduction, Nutrition, Development, 1993, 33, 143-150.	1.9	22
66	Daytime light intensity affects seasonal timing via changes in the nocturnal melatonin levels. Die Naturwissenschaften, 2007, 94, 693-696.	0.6	22
67	Temperature alters the photoperiodically controlled phenologies linked with migration and reproduction in a night-migratory songbird. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 509-515.	1.2	22
68	Partially reduced graphene oxideâ€“gold nanorods composite based bioelectrode of improved sensing performance. Talanta, 2015, 144, 745-754.	2.9	22
69	Testes play a role in termination but not in initiation of theÂspring migration in the night-migratory blackheadedÂbunting. Animal Biology, 2013, 63, 321-329.	0.6	21
70	High-performance and high-sensitivity applications of graphene transistors with self-assembled monolayers. Biosensors and Bioelectronics, 2016, 77, 1008-1015.	5.3	21
71	Investigations of photoperiodically induced fattening in migratory blackheaded bunting (Emberiza) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	20
72	Pinealectomy shortens resynchronisation times of house sparrow (Passer domesticus) circadian rhythms. Die Naturwissenschaften, 2005, 92, 419-422.	0.6	20

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73	Cocaineâ€•and amphetamineâ€•regulated transcript peptide (CART) in the brain of zebra finch, Taeniopygia guttata: Organization, interaction with neuropeptide Y, and response to changes in energy status. Journal of Comparative Neurology, 2016, 524, 3014-3041.	0.9	20
74	Biochronometry of photoperiodically induced fat deposition in a migratory finch, the Blackheaded bunting (Emberiza melanocephala) (Aves). Journal of Zoology, 1983, 200, 421-430.	0.8	18
75	Biofunctional magnetic nanotube probe for recognition and separation of specific bacteria from a mixed culture. RSC Advances, 2013, 3, 14634.	1.7	18
76	Changes in brain peptides associated with reproduction and energy homeostasis in photosensitive and photorefractory migratory redheaded buntings. General and Comparative Endocrinology, 2016, 230-231, 67-75.	0.8	18
77	Constant light environment suppresses maturation and reduces complexity of new born neuron processes in the hippocampus and caudal nidopallium of a diurnal corvid: Implication for impairment of the learning and cognitive performance. Neurobiology of Learning and Memory, 2018, 147, 120-127.	1.0	18
78	Metabolic plasticity mediates differential responses to spring and autumn migrations: Evidence from gene expression patterns in migratory buntings. Experimental Physiology, 2019, 104, 1841-1857.	0.9	18
79	Entrainment of circadian system under variable photocycles (T-photocycles) alters the critical daylength for photoperiodic induction in blackheaded buntings. The Journal of Experimental Zoology, 1995, 273, 297-302.	1.4	16
80	Role of light wavelengths in synchronization of circadian physiology in songbirds. Physiology and Behavior, 2015, 140, 164-171.	1.0	16
81	Photoperiodic regulation of the gonadal recrudescence in common Indian Rosefinch: Dependence on circadian rhythms. The Journal of Experimental Zoology, 1982, 223, 37-40.	1.4	15
82	Circadian rhythms are not involved in the regulation of circannual reproductive cycles in a sub-tropical bird, the spotted munia. Journal of Experimental Biology, 2014, 217, 2569-79.	0.8	15
83	Transcriptional Signatures in Liver Reveal Metabolic Adaptations to Seasons in Migratory Blackheaded Buntings. Frontiers in Physiology, 2018, 9, 1568.	1.3	15
84	Sleep in unnatural times: illuminated night negatively affects sleep and associated hypothalamic gene expressions in diurnal zebra finches. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192952.	1.2	15
85	Melatonin and curcumin reestablish disturbed circadian gene expressions and restore locomotion ability and eclosion behavior in Drosophila model of Huntingtonâ€™s disease. Chronobiology International, 2021, 38, 61-78.	0.9	15
86	Differential responses of the photoperiodic clock in two passerine birds possessing a strongly selfâ€sustained circadian system. Chronobiology International, 2005, 22, 801-806.	0.9	14
87	Common features of circadian timekeeping in diverse organisms. Current Opinion in Physiology, 2018, 5, 58-67.	0.9	14
88	Photoperiodic testicular response and photorefractoriness in common Indian rosefinch.. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 1982, 20, 39-42.	0.2	14
89	Neuropeptide Y mRNA and peptide in the night-migratory redheaded bunting brain. Cell and Tissue Research, 2013, 354, 551-562.	1.5	13
90	Photoperiodic induction of pre-migratory phenotype in a migratory songbird: identification of metabolic proteins in flight muscles. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2014, 184, 741-751.	0.7	13

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91	Sensitive and selective detection of copper ions using low cost nitrogen doped carbon quantum dots as a fluorescent sensing plateform. ISSS Journal of Micro and Smart Systems, 2017, 6, 109-117.	1.0	13
92	Light at night affects hippocampal and nidopallial cytoarchitecture: Implication for impairment of brain function in diurnal corvids. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 149-156.	0.9	12
93	Scotostimulation of reproductive neural pathways and gonadal maturation are not correlated with hypothalamic expression of deiodinases in subtropical spotted munia. Journal of Neuroendocrinology, 2018, 30, e12627.	1.2	11
94	Light at night affects gut microbial community and negatively impacts host physiology in diurnal animals: Evidence from captive zebra finches. Microbiological Research, 2020, 241, 126597.	2.5	11
95	The development of photorefractoriness in termination of the breeding season in the tropical brahminy myna: role of photoperiod. Reproduction, Nutrition, Development, 1991, 31, 27-36.	1.9	10
96	The pineal clock affects behavioral circadian rhythms but not photoperiodic induction in the Indian weaver bird (Ploceus philippinus). Journal of Ornithology, 2005, 146, 355-364.	0.5	10
97	Food Availability Affects Circadian Clock-Controlled Activity and Zugunruhe in the Night Migratory Male Blackheaded Bunting (Emberiza melanocephala). Chronobiology International, 2012, 29, 15-25.	0.9	10
98	The quantity-quality trade-off: differential effects of daily food times on reproductive performance and offspring quality in diurnal zebra finches. Journal of Experimental Biology, 2019, 222, .	0.8	10
99	Seasonal reproductive state determines gene expression in the hypothalamus of a latitudinal migratory songbird during the spring and autumn migration. Molecular and Cellular Endocrinology, 2020, 508, 110794.	1.6	10
100	Circadian behavioral and melatonin rhythms in the European starling under lightâ€“dark cycles with steadily changing periods: Evidence for close mutual coupling?. Hormones and Behavior, 2007, 52, 409-416.	1.0	9
101	Extra-hypothalamic brain clocks in songbirds: Photoperiodic state dependent clock gene oscillations in night-migratory blackheaded buntings, Emberiza melanocephala. Journal of Photochemistry and Photobiology B: Biology, 2017, 169, 13-20.	1.7	9
102	Circannual testis and moult cycles persist under photoperiods that disrupt circadian activity and clock gene cycles in spotted munia. Journal of Experimental Biology, 2017, 220, 4162-4168.	0.8	9
103	Temporal expression of clock genes in central and peripheral tissues of spotted munia under varying light conditions: Evidence for circadian regulation of daily physiology in a non-photoperiodic circannual songbird species. Chronobiology International, 2018, 35, 617-632.	0.9	9
104	Developmental effects of constant light on circadian behaviour and gene expressions in zebra finches: Insights into mechanisms of metabolic adaptation to aperiodic environment in diurnal animals. Journal of Photochemistry and Photobiology B: Biology, 2020, 211, 111995.	1.7	9
105	Nocturnal melatonin levels decode daily light environment and reflect seasonal states in night-migratory blackheaded bunting (Emberiza melanocephala). Photochemical and Photobiological Sciences, 2015, 14, 963-971.	1.6	8
106	Molecular basis of photoperiodic control of reproductive cycle in a subtropical songbird, the Indian weaver bird (Ploceus philippinus). General and Comparative Endocrinology, 2015, 220, 41-45.	0.8	8
107	Dissociation of circadian activity and singing behavior from gene expression rhythms in the hypothalamus, song control nuclei and cerebellum in diurnal zebra finches. Chronobiology International, 2019, 36, 1268-1284.	0.9	8
108	Effects of timed food availability on reproduction and metabolism in zebra finches: Molecular insights into homeostatic adaptation to food-restriction in diurnal vertebrates. Hormones and Behavior, 2020, 125, 104820.	1.0	8

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109	Ambient temperature affects multiple drivers of physiology and behaviour: adaptation for timely departure of obligate spring migrants. Journal of Experimental Biology, 2020, 223, .	0.8	8
110	Circadian synchronization determines critical day length for seasonal responses. Physiology and Behavior, 2015, 147, 282-290.	1.0	7
111	Bird eyes distinguish summer from winter: Retinal response to acute photoperiod change in the night-migratory redheaded bunting. Journal of Chemical Neuroanatomy, 2015, 68, 55-60.	1.0	7
112	Daily expression of genes coding for neurotransmitters in central and peripheral tissues of redheaded bunting: Implication for circadian regulation of physiology in songbirds. Chronobiology International, 2016, 33, 280-292.	0.9	7
113	Timed food availability affects circadian behavior but not the neuropeptide Y expression in Indian weaverbirds exposed to atypical light environment. Physiology and Behavior, 2016, 161, 81-89.	1.0	7
114	Female conspecifics restore rhythmic singing behaviour in arrhythmic male zebra finches. Journal of Biosciences, 2017, 42, 139-147.	0.5	7
115	Sleep in birds: lying on the continuum of activity and rest. Biological Rhythm Research, 2017, 48, 805-814.	0.4	7
116	Circannual Rhythms. , 2018, , 442-450.		7
117	Concurrent changes in photoperiod-induced seasonal phenotypes and hypothalamic CART peptide-containing systems in night-migratory redheaded buntings. Brain Structure and Function, 2020, 225, 2775-2798.	1.2	7
118	Molecular changes associated with migratory departure from wintering areas in obligate songbird migrants. Journal of Experimental Biology, 2021, 224, .	0.8	7
119	Daytime light spectrum affects photoperiodic induction of vernal response in obligate spring migrants. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 259, 111017.	0.8	7
120	Photoperiodic regulation of seasonal reproduction in higher vertebrates. Indian Journal of Experimental Biology, 2014, 52, 413-9.	0.5	7
121	The photo-gonadal response of a migratory bunting: Evidence of an external coincidence system. The Journal of Experimental Zoology, 1982, 221, 131-135.	1.4	6
122	Annual life-history dependent seasonal differences in neural activity of the olfactory system between non-migratory and migratory songbirds. Behavioural Brain Research, 2016, 296, 233-239.	1.2	6
123	Temperature affects liver and muscle metabolism in photostimulated migratory redheaded buntings (Emberiza bruniceps). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2019, 189, 623-635.	0.7	6
124	Temporal expression of genes coding for aryl-alkamine-N-acetyltransferase and melatonin receptors in circadian clock tissues: Circadian rhythm dependent role of melatonin in seasonal responses. Physiology and Behavior, 2019, 207, 167-178.	1.0	6
125	Changes in DNA methylation and histone modification gene expression in response to daily food times in zebra finches: epigenetic implications. Journal of Experimental Biology, 2020, 223, .	0.8	6
126	Developmental effects of daily food availability times on song behaviour and neuronal plasticity of song-control system in male zebra finches. Behavioural Brain Research, 2020, 382, 112497.	1.2	6

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127	Photoperiodically driven transcriptome-wide changes in the hypothalamus reveal transcriptional differences between physiologically contrasting seasonal life-history states in migratory songbirds. Scientific Reports, 2021, 11, 12823.	1.6	6
128	Light sensitivity of the photoperiodic response system in higher vertebrates: wavelength and intensity effects. Indian Journal of Experimental Biology, 1999, 37, 1053-64.	0.5	6
129	Seasonal neuronal plasticity in songâ€control and auditory forebrain areas in subtropical nonmigratory and palearcticâ€indian migratory male songbirds. Journal of Comparative Neurology, 2016, 524, 2914-2929.	0.9	5
130	Development of vernal migration in redheaded buntings: concurrent behavioral, physiological and neural changes under stimulatory photoperiods. Photochemical and Photobiological Sciences, 2019, 18, 2509-2520.	1.6	5
131	Involvement of steroid and antioxidant pathways in spleen-mediated immunity in migratory birds. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 250, 110790.	0.8	5
132	Differences in transcription regulation of diurnal metabolic support to physiologically contrasting seasonal life-history states in migratory songbirds. Journal of Ornithology, 2022, 163, 199-212.	0.5	5
133	Control and adaptability of seasonal changes in behavior and physiology of latitudinal avian migrants: Insights from laboratory studies in palearcticâ€indian migratory buntings. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2022, 337, 902-918.	0.9	5
134	Altered light conditions during spring: effects on timing of migration and reproduction in migratory redheaded bunting (Emberiza bruniceps). Biological Rhythm Research, 2015, 46, 647-657.	0.4	4
135	Transcriptomeâ€wide changes in testes reveal molecular differences in photoperiodâ€induced seasonal reproductive lifeâ€history states in migratory songbirds. Molecular Reproduction and Development, 2019, 86, 956-963.	1.0	4
136	Hypothalamic plasticity in response to changes in photoperiod and food quality: An adaptation to support preâ€migratory fattening in songbirds?. European Journal of Neuroscience, 2021, 53, 430-448.	1.2	4
137	Melatonin: a master hormone and a candidate for universal panacea. Indian Journal of Experimental Biology, 1996, 34, 391-402.	0.5	4
138	Night melatonin levels affect cognition in diurnal animals: Molecular insights from a corvid exposed to an illuminated night environment. Environmental Pollution, 2022, 308, 119618.	3.7	4
139	Effects of a one-hour light pulse on the timing of the circadian rhythm in melatonin secretion in rams. Journal of Pineal Research, 1995, 18, 21-27.	3.4	3
140	Circadian adaptation to seasons: effects on activity behavior in subtropical House Sparrow,Passer domesticus. Biological Rhythm Research, 2014, 45, 465-475.	0.4	3
141	Optimization of circadian adaptation to physical enrichment: effects on activity behavior in a subtropical songbird. Journal of Ornithology, 2014, 155, 283-290.	0.5	3
142	Insights into the Regulation of Spring Migration in Songbirds. , 2017, , 625-642.		3
143	Effects of Night Illumination on Behavior, Body Mass and Learning in Male Zebra Finches. Birds, 2021, 2, 381-394.	0.6	3
144	Physiological effects of food availability times in higher vertebrates. Journal of Experimental Biology, 2022, 225, .	0.8	3

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145	Effect of testosterone on testes, body weight and plumage regeneration in photorefractory male redheaded bunting Emberiza bruniceps. Indian Journal of Experimental Biology, 1990, 28, 417-20.	0.5	3
146	Circadian basis of seasonal timing in higher vertebrates. Biological Rhythm Research, 2017, 48, 723-738.	0.4	2
147	Born without night: The consequence of the no-night environment on reproductive performance in diurnal zebra finches. Journal of Experimental Biology, 2021, , .	0.8	2
148	Vijay Kumar Sharma. Journal of Biological Rhythms, 2017, 32, 5-6.	1.4	1
149	Introduction: special issue on â€œRhythms, Calendar and Biological Processesâ€• Biological Rhythm Research, 2017, 48, 673-675.	0.4	1
150	Changes in brain peptides associated with reproduction and energy homeostasis: Putative roles of gonadotrophinâ€releasing hormoneâ€I and tyrosine hydroxylase in determining reproductive performance in response to daily food availability times in diurnal zebra finches. Journal of Neuroendocrinology, 2020, 32, e12825.	1.2	1
151	Neuromorphometric changes associated with photostimulated migratory phenotype in the Palaearcticâ€“Indian male redheaded bunting. Experimental Brain Research, 2020, 238, 2245-2256.	0.7	1
152	The Association of Internet Overuse with Sleep and Mood in Indian Female University Students. Sleep and Vigilance, 2021, 5, 71-83.	0.4	1
153	Effect of Light on the Gonad and Body Weight in the Crested Bunting (Melophus lathami). Seibutsu Kankyo Chosetsu [Environment Control in Biology, 1983, 21, 7-10.	0.2	1
154	Termination of photorefractoriness in the brahminy myna, Sturnus pagodarum: role of photoperiods and gonadal hormones. Indian Journal of Experimental Biology, 1992, 30, 48-53.	0.5	1
155	Neurobiology of circadian rhythms. Indian Journal of Experimental Biology, 1997, 35, 921-32.	0.5	0
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