Fabien Pifferi

List of Publications by Year
in descending order

62 papers	2,385 citations	270111 25 h-index	252626 46 g-index
69 all docs	69 docs citations	69 times ranked	4054 citing authors

#	Article	IF	Citations
1	Relationships between endogenous circadian period, physiological and cognitive parameters and sex in aged gray mouse lemurs (Microcebus murinus). Chronobiology International, 2022, 39, 363-373.	0.9	1
2	Orientation Preference Maps in Microcebus murinus Reveal Size-Invariant Design Principles in Primate Visual Cortex. Current Biology, 2021, 31, 733-741.e7.	1.8	21
3	Overview of ageâ€related changes in psychomotor and cognitive functions in a prosimian primate, the gray mouse lemur (Microcebus murinus): Recent advances in risk factors and antiaging interventions. American Journal of Primatology, 2021, 83, e23337.	0.8	5
4	Profiling torpor-responsive microRNAs in muscles of the hibernating primate Microcebus murinus. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194473.	0.9	14
5	Physiological and cognitive consequences of a daily 26 h photoperiod in a primate:exploring the underlying mechanisms of the circadian resonance theory. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201079.	1.2	6
6	Survival is reduced when endogenous period deviates from 24Âh in a non-human primate, supporting the circadian resonance theory. Scientific Reports, 2020, 10, 18002.	1.6	14
7	Evidence of the Role of Omega-3 Polyunsaturated Fatty Acids in Brain Glucose Metabolism. Nutrients, 2020, 12, 1382.	1.7	15
8	Caloric restriction, longevity and aging: Recent contributions from human and non-human primate studies. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 95, 109702.	2.5	53
9	Daily Torpor and Sleep in a Non-human Primate, the Gray Mouse Lemur (Microcebus murinus). Frontiers in Neuroanatomy, 2019, 13, 87.	0.9	16
10	The Biological Clock in Gray Mouse Lemur: Adaptive, Evolutionary and Aging Considerations in an Emerging Non-human Primate Model. Frontiers in Physiology, 2019, 10, 1033.	1.3	15
11	Encephalopathy induced by Alzheimer brain inoculation in a non-human primate. Acta Neuropathologica Communications, 2019, 7, 126.	2.4	33
12	Promoting healthspan and lifespan with caloric restriction in primates. Communications Biology, 2019, 2, 107.	2.0	33
13	The sensory thalamus and visual midbrain in mouse lemurs. Journal of Comparative Neurology, 2019, 527, 2599-2611.	0.9	5
14	Strengths and Weaknesses of the Gray Mouse Lemur (Microcebus murinus) as a Model for the Behavioral and Psychological Symptoms and Neuropsychiatric Symptoms of Dementia. Frontiers in Pharmacology, 2019, 10, 1291.	1.6	9
15	The age-performance relationship in the general population and strategies to delay age related decline in performance. Archives of Public Health, 2019, 77, 51.	1.0	22
16	Architectonic features and relative locations of primary sensory and related areas of neocortex in mouse lemurs. Journal of Comparative Neurology, 2019, 527, 625-639.	0.9	13
17	Effects of n-3 polyunsaturated fatty acid supplementation on cognitive functions, electrocortical activity and neurogenesis in a non-human primate, the grey mouse lemur (Microcebus murinus). Behavioural Brain Research, 2018, 347, 394-407.	1.2	17
18	Caloric restriction increases lifespan but affects brain integrity in grey mouse lemur primates. Communications Biology, 2018, 1, 30.	2.0	123

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19	A comparative study of the neural stem cell niche in the adult hypothalamus of human, mouse, rat and gray mouse lemur (Microcebus murinus). Journal of Comparative Neurology, 2018, 526, 1419-1443.	0.9	67
20	Lipidome determinants of maximal lifespan in mammals. Scientific Reports, 2017, 7, 5.	1.6	60
21	Effects of acute administration of donepezil or memantine on sleep-deprivation-induced spatial memory deficit in young and aged non-human primate grey mouse lemurs (Microcebus murinus). PLoS ONE, 2017, 12, e0184822.	1.1	7
22	Dietary Supplementation with n-3 Polyunsaturated Fatty Acids Reduces Torpor Use in a Tropical Daily Heterotherm. Physiological and Biochemical Zoology, 2016, 89, 536-545.	0.6	17
23	Jumping Stand Apparatus Reveals Rapidly Specific Age-Related Cognitive Impairments in Mouse Lemur Primates. PLoS ONE, 2015, 10, e0146238.	1.1	28
24	Challenges to determining whether DHA can protect against age-related cognitive decline. Clinical Lipidology, 2015, 10, 91-102.	0.4	11
25	Regulation of Torpor in the Gray Mouse Lemur: Transcriptional and Translational Controls and Role of AMPK Signaling. Genomics, Proteomics and Bioinformatics, 2015, 13, 103-110.	3.0	22
26	Long-chain n-3 PUFAs from fish oil enhance resting state brain glucose utilization and reduce anxiety in an adult nonhuman primate, the grey mouse lemur. Journal of Lipid Research, 2015, 56, 1511-1518.	2.0	26
27	Induction of Antioxidant and Heat Shock Protein Responses During Torpor in the Gray Mouse Lemur, Microcebus murinus. Genomics, Proteomics and Bioinformatics, 2015, 13, 119-126.	3.0	36
28	Cytokine and Antioxidant Regulation in the Intestine of the Gray Mouse Lemur (Microcebus murinus) During Torpor. Genomics, Proteomics and Bioinformatics, 2015, 13, 127-135.	3.0	6
29	Regulation of the PI3K/AKT Pathway and Fuel Utilization During Primate Torpor in the Gray Mouse Lemur, Microcebus murinus. Genomics, Proteomics and Bioinformatics, 2015, 13, 91-102.	3.0	29
30	Modulation of Gene Expression in Key Survival Pathways During Daily Torpor in the Gray Mouse Lemur, Microcebus murinus. Genomics, Proteomics and Bioinformatics, 2015, 13, 111-118.	3.0	18
31	Primate Torpor: Regulation of Stress-activated Protein Kinases During Daily Torpor in the Gray Mouse Lemur, Microcebus murinus. Genomics, Proteomics and Bioinformatics, 2015, 13, 81-90.	3.0	30
32	On-Going Frontal Alpha Rhythms Are Dominant in Passive State and Desynchronize in Active State in Adult Gray Mouse Lemurs. PLoS ONE, 2015, 10, e0143719.	1.1	5
33	Omega-3 PUFA supplementation differentially affects behavior and cognition in the young and aged non-human primate Grey mouse lemur (Microcebus murinus). OCL - Oilseeds and Fats, Crops and Lipids, 2014, 21, A104.	0.6	1
34	Shallow hypothermia depends on the level of fatty acid unsaturation in adipose and liver tissues in a tropical heterothermic primate. Journal of Thermal Biology, 2014, 43, 81-88.	1.1	18
35	Memantine prevents reference and working memory impairment caused by sleep deprivation in both young and aged Octodon degus. Neuropharmacology, 2014, 85, 206-214.	2.0	21
36	Octodon degus: A Model for the Cognitive Impairment Associated with <scp>A</scp>lzheimer's Disease. CNS Neuroscience and Therapeutics, 2013, 19, 643-648.	1.9	43

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37	Resveratrol in mammals: effects on aging biomarkers, ageâ€related diseases, and life span. Annals of the New York Academy of Sciences, 2013, 1290, 67-73.	1.8	79
38	Effects of pharmacological agents, sleep deprivation, hypoxia and transcranial magnetic stimulation on electroencephalographic rhythms in rodents: Towards translational challenge models for drug discovery in Alzheimerâ€™s disease. Clinical Neurophysiology, 2013, 124, 437-451.	0.7	21
39	Experimental sleep deprivation as a tool to test memory deficits in rodents. Frontiers in Systems Neuroscience, 2013, 7, 106.	1.2	90
40	Effects of Resveratrol on Daily Rhythms of Locomotor Activity and Body Temperature in Young and Aged Grey Mouse Lemurs. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-7.	1.9	26
41	Sleep Deprivation Impairs Spatial Retrieval but Not Spatial Learning in the Non-Human Primate Grey Mouse Lemur. PLoS ONE, 2013, 8, e64493.	1.1	17
42	Cell Clocks and Neuronal Networks: Neuron Ticking and Synchronization in Aging and Aging-Related Neurodegenerative Disease. Current Alzheimer Research, 2013, 10, 597-608.	0.7	23
43	Effect of dietary fish oil supplementation on the exploratory activity, emotional status and spatial memory of the aged mouse lemur, a non-human primate. Behavioural Brain Research, 2012, 235, 280-286.	1.2	19
44	Fatty Acid Composition of the Brain, Retina, Liver and Adipose Tissue of the Grey Mouse Lemur (Microcebus murinus, Primate). Lipids, 2012, 47, 793-801.	0.7	15
45	Effects of Chronic Calorie Restriction or Dietary Resveratrol Supplementation on Insulin Sensitivity Markers in a Primate, Microcebus murinus. PLoS ONE, 2012, 7, e34289.	1.1	62
46	N-3 fatty acids, neuronal activity and energy metabolism in the brain. Oleagineux Corps Gras Lipides, 2012, 19, 238-244.	0.2	2
47	Cognitive Performances Are Selectively Enhanced during Chronic Caloric Restriction or Resveratrol Supplementation in a Primate. PLoS ONE, 2011, 6, e16581.	1.1	111
48	Omega-3 Fatty Acids from Fish Oil Lower Anxiety, Improve Cognitive Functions and Reduce Spontaneous Locomotor Activity in a Non-Human Primate. PLoS ONE, 2011, 6, e20491.	1.1	59
49	Brain fuel metabolism, aging, and Alzheimerâ€™s disease. Nutrition, 2011, 27, 3-20.	1.1	475
50	Caloric restriction or resveratrol supplementation and ageing in a non-human primate: first-year outcome of the RESTRIKAL study in Microcebus murinus. Age, 2011, 33, 15-31.	3.0	57
51	Resveratrol Dietary Supplementation Shortens the Free-Running Circadian Period and Decreases Body Temperature in a Prosimian Primate. Journal of Biological Rhythms, 2011, 26, 271-275.	1.4	30
52	Mild experimental ketosis increases brain uptake of¹¹C-acetoacetate and¹⁸F-fluorodeoxyglucose: a dual-tracer PET imaging study in rats. Nutritional Neuroscience, 2011, 14, 51-58.	1.5	37
53	Image-derived input function in dynamic human PET/CT: methodology and validation with 11C-acetate and 18F-fluorothioheptadecanoic acid in muscle and 18F-fluorodeoxyglucose in brain. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 1539-1550.	3.3	86
54	n-3 long-chain fatty acids and regulation of glucose transport in two models of rat brain endothelial cells. Neurochemistry International, 2010, 56, 703-710.	1.9	33

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55	PET study of¹¹C-acetoacetate kinetics in rat brain during dietary treatments affecting ketosis. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E796-E801.	1.8	50
56	Eicosapentaenoic acid decreases postprandial Î²-hydroxybutyrate and free fatty acid responses in healthy young and elderly. Nutrition, 2009, 25, 289-294.	1.1	26
57	Ketones and brain function: Possible link to polyunsaturated fatty acids and availability of a new brain PET tracer, ¹¹Câ€acetoacetate. Epilepsia, 2008, 49, 76-79.	2.6	15
58	Le DHA dans la neurotransmission. Oleagineux Corps Gras Lipides, 2007, 14, 11-15.	0.2	2
59	Unresolved issues in the link between docosahexaenoic acid and Alzheimer's disease. Prostaglandins Leukotrienes and Essential Fatty Acids, 2007, 77, 301-308.	1.0	38
60	(n-3) Polyunsaturated Fatty Acid Deficiency Reduces the Expression of Both Isoforms of the Brain Glucose Transporter GLUT1 in Rats. Journal of Nutrition, 2005, 135, 2241-2246.	1.3	104
61	Les rÃ1es physiologiques majeurs exercÃ©s par les acides gras polyinsaturÃ©s (AGPI). Oleagineux Corps Gras Lipides, 2005, 12, 333-343.	0.2	17
62	Cerebral Asymmetry and Behavioral Lateralization in Rats Chronically Lacking n-3 Polyunsaturated Fatty Acids. Biological Psychiatry, 2005, 58, 805-811.	0.7	26