LuÃ-s M Antunes

List of Publications by Year
in descending order

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73 papers	1,352 citations	304743 22 h-index	395702 33 g-index
74 all docs	74 docs citations	74 times ranked	1432 citing authors

#	Article	IF	Citations
1	Effect of a Sub-Chronic Oral Exposure of Broccoli (Brassica oleracea L. Var. Italica) By-Products Flour on the Physiological Parameters of FVB/N Mice: A Pilot Study. Foods, 2022, 11, 120.	4.3	8
2	Murine Models of Obesity. Obesities, 2022, 2, 127-147.	0.8	14
3	Obesity Rodent Models Applied to Research with Food Products and Natural Compounds. Obesities, 2022, 2, 171-204.	0.8	4
4	Malformations and mortality in zebrafish early stages associated with elevated caspase activity after 24Âh exposure to MS-222. Toxicology and Applied Pharmacology, 2021, 412, 115385.	2.8	11
5	Refinement of Animal Model of Colorectal Carcinogenesis through the Definition of Novel Humane Endpoints. Animals, 2021, 11, 985.	2.3	4
6	MS-222 induces biochemical and transcriptional changes related to oxidative stress, cell proliferation and apoptosis in zebrafish embryos. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 237, 108834.	2.6	12
7	Review on the use of zebrafish embryos to study the effects of anesthetics during early development. Critical Reviews in Toxicology, 2019, 49, 357-370.	3.9	15
8	Parasympathetic Tone Activity Evaluation to Discriminate Ketorolac and Ketorolac/Tramadol Analgesia Level in Swine. Anesthesia and Analgesia, 2019, 129, 882-889.	2.2	6
9	Anaesthetics and analgesics used in adult fish for research: A review. Laboratory Animals, 2019, 53, 325-341.	1.0	34
10	Ketamine induction of p53-dependent apoptosis and oxidative stress in zebrafish (Danio rerio) embryos. Chemosphere, 2018, 201, 730-739.	8.2	66
11	Potential effects of sulforaphane to fight obesity. Journal of the Science of Food and Agriculture, 2018, 98, 2837-2844.	3.5	41
12	Evaluation of anaesthetic protocols for laboratory adult zebrafish (Danio rerio). PLoS ONE, 2018, 13, e0197846.	2.5	34
13	MS-222 short exposure induces developmental and behavioural alterations in zebrafish embryos. Reproductive Toxicology, 2018, 81, 122-131.	2.9	17
14	Laurus nobilis (laurel) aqueous leaf extract's toxicological and anti-tumor activities in HPV16-transgenic mice. Food and Function, 2018, 9, 4419-4428.	4.6	15
15	Ketamine alone or combined with midazolam or dexmedetomidine does not affect anxiety-like behaviours and memory in adult Wistar rats. Laboratory Animals, 2017, 51, 147-159.	1.0	9
16	Mice aversion to sevoflurane, isoflurane and carbon dioxide using an approach-avoidance task. Applied Animal Behaviour Science, 2017, 189, 91-97.	1.9	17
17	Morphological and behavioral responses of zebrafish after 24 h of ketamine embryonic exposure. Toxicology and Applied Pharmacology, 2017, 321, 27-36.	2.8	41
18	Propofol affinity to mitochondrial membranes does not alter mitochondrial function. European Journal of Pharmacology, 2017, 803, 48-56.	3.5	8

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19	Behavioral alterations of zebrafish larvae after early embryonic exposure to ketamine. Psychopharmacology, 2017, 234, 549-558.	3.1	41
20	Apoptosis-related genes induced in response to ketamine during early life stages of zebrafish. Toxicology Letters, 2017, 279, 1-8.	0.8	14
21	Implementation of Human Endpoints in a Urinary Bladder Carcinogenesis Study in Rats. In Vivo, 2017, 31, 1073-1080.	1.3	8
22	Recreational Use of Ketamine and Its Interaction with NMDA Receptors. , 2016, , 672-680.		1
23	A New Anaesthetic Protocol for Adult Zebrafish (Danio rerio): Propofol Combined with Lidocaine. PLoS ONE, 2016, 11, e0147747.	2.5	46
24	In Response. Anesthesia and Analgesia, 2016, 122, 918-920.	2.2	1
25	Embryonic Stage-Dependent Teratogenicity of Ketamine in Zebrafish (Danio rerio). Chemical Research in Toxicology, 2016, 29, 1298-1309.	3.3	32
26	Anaesthesia and analgesia in laboratory adult zebrafish: a question of refinement. Laboratory Animals, 2016, 50, 476-488.	1.0	40
27	Expression of CYP1A1 and CYP1A2 in the liver and kidney of rabbits after prolonged infusion of propofol. Experimental and Toxicologic Pathology, 2016, 68, 521-531.	2.1	4
28	Ketamine-induced oxidative stress at different developmental stages of zebrafish (Danio rerio) embryos. RSC Advances, 2016, 6, 61254-61266.	3.6	45
29	In vivo study of hepatic oxidative stress and mitochondrial function in rabbits with severe hypotension after propofol prolonged infusion. SpringerPlus, 2016, 5, 1349.	1.2	7
30	Evidence of Different Propofol Pharmacokinetics under Short and Prolonged Infusion Times in Rabbits. Basic and Clinical Pharmacology and Toxicology, 2016, 118, 421-431.	2.5	6
31	Euthanasia using gaseous agents in laboratory rodents. Laboratory Animals, 2016, 50, 241-253.	1.0	26
32	The Effects of Different Concentrations of the Î±2-Adrenoceptor Agonist Medetomidine on Basal Excitatory Synaptic Transmission and Synaptic Plasticity in Hippocampal Slices of Adult Mice. Anesthesia and Analgesia, 2015, 120, 1130-1137.	2.2	3
33	Acute Ketamine Impairs Mitochondrial Function and Promotes Superoxide Dismutase Activity in the Rat Brain. Anesthesia and Analgesia, 2015, 120, 320-328.	2.2	48
34	Controlling the hypnotic drug (propofol) to maintain a stable depth of anesthesia, in dogs. , 2014, , .		2
35	Clinically relevant concentrations of ketamine mainly affect long-term potentiation rather than basal excitatory synaptic transmission and do not change paired-pulse facilitation in mouse hippocampal slices. Brain Research, 2014, 1560, 10-17.	2.2	26
36	Development of a respiratory rate monitoring device for mice anesthesia induction chamber. , 2014, , .		2

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37	Ketamine NMDA receptor-independent toxicity during zebrafish (Danio rerio) embryonic development. Neurotoxicology and Teratology, 2014, 41, 27-34.	2.4	59
38	Hippocampal long-term potentiation in adult mice after recovery from ketamine anesthesia. Lab Animal, 2014, 43, 353-357.	0.4	5
39	Chronic ketamine administration impairs mitochondrial complex I in the rat liver. Life Sciences, 2013, 93, 464-470.	4.3	19
40	The memory stages of a spatial Y-maze task are not affected by a low dose of ketamine/midazolam. European Journal of Pharmacology, 2013, 712, 39-47.	3.5	9
41	The anaesthetic combination of ketamine/midazolam does not alter the acquisition of spatial and motor tasks in adult mice. Laboratory Animals, 2013, 47, 19-25.	1.0	9
42	A single intraperitoneal injection of ketamine does not affect spatial working, reference memory or neurodegeneration in adult mice. European Journal of Anaesthesiology, 2013, 30, 618-626.	1.7	12
43	Apoptotic neurodegeneration and spatial memory are not affected by sedative and anaesthetics doses of ketamine/medetomidine combinations in adult mice. British Journal of Anaesthesia, 2012, 108, 807-814.	3.4	5
44	Importance of Body Temperature and Clinical Data in Behavioral and Anesthesia Studies. Anesthesiology, 2012, 116, 226-227.	2.5	0
45	Electroencephalogram-based anaesthetic depth monitoring in laboratory animals. Laboratory Animals, 2012, 46, 85-94.	1.0	19
46	Correlation between clinical signs of depth of anaesthesia and cerebral state index responses in dogs with different target-controlled infusions of propofol. Veterinary Anaesthesia and Analgesia, 2012, 39, 21-28.	0.6	8
47	Dogs mean arterial pressure and heart rate responses during high propofol plasma concentrations estimated by a pharmacokinetic model. Research in Veterinary Science, 2011, 91, 278-280.	1.9	5
48	EMG contributes to improve Cerebral State Index modeling in dogs anesthesia. , 2011, 2011, 6593-6.		0
49	Performance of electroencephalogram-derived parameters in prediction of depth of anaesthesia in a rabbit model. British Journal of Anaesthesia, 2011, 106, 540-547.	3.4	24
50	Performance of Anesthetic Depth Indexes in Rabbits under Propofol Anesthesia. Anesthesiology, 2011, 115, 303-314.	2.5	34
51	Comparison of Anesthetic Depth Indexes Based on Thalamocortical Local Field Potentials in Rats. Anesthesiology, 2010, 112, 355-363.	2.5	61
52	Lower Isoflurane Concentration Affects Spatial Learning and Neurodegeneration in Adult Mice Compared with Higher Concentrations. Anesthesiology, 2010, 113, 1099-1108.	2.5	53
53	Intraperitoneal anaesthesia with propofol, medetomidine and fentanyl in mice. Laboratory Animals, 2009, 43, 27-33.	1.0	36
54	Correlation between clinical signs of depth of anaesthesia and cerebral state index responses in dogs during induction of anaesthesia with propofol. Research in Veterinary Science, 2009, 87, 287-291.	1.9	20

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55	Individual effect-site concentrations of propofol at return of consciousness are related to the concentrations at loss of consciousness and age in neurosurgical patients. Journal of Clinical Anesthesia, 2009, 21, 3-8.	1.6	15
56	Are fentanyl and remifentanil safe opioids for rat brain mitochondrial bioenergetics?. Mitochondrion, 2009, 9, 247-253.	3.4	18
57	Brain tumors may alter the relationship between bispectral index values and propofol concentrations during induction of anesthesia. Journal of Clinical Anesthesia, 2008, 20, 116-121.	1.6	8
58	Brain monitoring in dogs using the cerebral state index during the induction of anaesthesia via target-controlled infusion of propofol. Research in Veterinary Science, 2008, 85, 227-232.	1.9	14
59	Effects of depth of isoflurane anaesthesia on a cognition task in mice. British Journal of Anaesthesia, 2008, 101, 434-435.	3.4	8
60	Intraperitoneal propofol and propofol fentanyl, sufentanil and remifentanil combinations for mouse anaesthesia. Laboratory Animals, 2007, 41, 329-336.	1.0	31
61	Synchronization Software for Automation in Anesthesia. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5298-301.	0.5	4
62	Nonlinear Modeling of Cerebral State Index in Dogs. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 537-40.	0.5	0
63	MODELLING DRUGS' PHARMACODYNAMIC INTERACTION DURING GENERAL ANAESTHESIA: THE CHOICE OF PHARMACOKINETIC MODEL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 447-452.	0.4	8
64	The effect of a remifentanil bolus on the bispectral index of the EEG (BIS) in anaesthetized patients independently from intubation and surgical stimuli. European Journal of Anaesthesiology, 2006, 23, 305-310.	1.7	19
65	Propofol and Remifentanil Pharmacokinetics/Pharmacodynamics During Induction May Predict Recovery of Anesthesia. Journal of Neurosurgical Anesthesiology, 2005, 17, 252-253.	1.2	4
66	Clinical Variables Related to Propofol Effect-Site Concentrations at Recovery of Consciousness After Neurosurgical Procedures. Journal of Neurosurgical Anesthesiology, 2005, 17, 110-114.	1.2	17
67	Radial basis function neural networks versus fuzzy models to predict return of consciousness after general anesthesia. , 2004, 2004, 865-8.		0
68	Propofol Predicted Effect Concentrations at Loss of Consciousness are Strongly Correlated with Predicted Concentrations at Recovery of Consciousness. Journal of Neurosurgical Anesthesiology, 2004, 16, 342-343.	1.2	2
69	Effects of different propofol infusion rates on EEG activity and AEP responses in rats. Journal of Veterinary Pharmacology and Therapeutics, 2003, 26, 369-376.	1.3	22
70	Excitatory effects of fentanyl upon the rat electroencephalogram and auditory-evoked potential responses during anaesthesia. European Journal of Anaesthesiology, 2003, 20, 800-808.	1.7	9
71	Anaesthesia with ketamine/medetomidine in the rabbit: influence of route of administration and the effect of combination with butorphanol. Veterinary Anaesthesia and Analgesia, 2002, 29, 14-19.	0.6	44
72	Evaluation of auditory evoked potentials to predict depth of anaesthesia during fentanyl/fluanisoneâ^midazolam anaesthesia in rats. Veterinary Anaesthesia and Analgesia, 2001, 28, 196-203.	0.6	10

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73	Assessment of ketamine/medetomidine anaesthesia in the New Zealand White rabbit. Veterinary Anaesthesia and Analgesia, 2001, 28, 18-25.	0.6	33