

Petr Zach

List of Publications by Year in descending order

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papers

374
citations

933447

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839539

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729
citing authors

#	ARTICLE	IF	CITATIONS
1	Applicability of Large-Area Single-Photon Counting Detectors Timepix for High-Resolution and High-Contrast X-Ray Imaging of Biological Samples. IEEE Transactions on Nuclear Science, 2022, 69, 753-760.	2.0	2
2	Micro-Computed Tomography Soft Tissue Biological Specimens Image Data Visualization. Applied Sciences (Switzerland), 2022, 12, 4918.	2.5	3
3	A Three-Arm Parallel-group Exploratory Trial documents balance improvement without much evidence of white matter integrity changes in people with multiple sclerosis following two months ambulatory neuroproprioceptive "facilitation and inhibition" physical therapy. European Journal of Physical and Rehabilitation Medicine. 2021, 57, .	2.2	2
4	Easy Identification of Optimal Coronal Slice on Brain Magnetic Resonance Imaging to Measure Hippocampal Area in Alzheimer's Disease Patients. BioMed Research International, 2020, 2020, 1-6.	1.9	2
5	Vascular supply of the anterior interventricular epicardial nerves and ventricular Purkinje fibers in the porcine hearts. Journal of Morphology, 2020, 281, 1476-1485.	1.2	2
6	Computer Kinesiology: New Diagnostic and Therapeutic Tool for Lower Back Pain Treatment (Pilot) Tj ETQqO O O rgBTj/Overlock 10 Tf 50	1.9	1
7	Morphology of the Vasculature and Blood Supply of the Brown Adipose Tissue Examined in an Animal Model by Micro-CT. BioMed Research International, 2020, 2020, 1-6.	1.9	5
8	Determinate growth is predominant and likely ancestral in squamate reptiles. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202737.	2.6	19
9	New Design of the Electrophoretic Part of CLARITY Technology for Confocal Light Microscopy of Rat and Human Brains. Brain Sciences, 2019, 9, 218.	2.3	1
10	Imaging of Mouse Brain Fixated in Ethanol in Micro-CT. BioMed Research International, 2019, 2019, 1-7.	1.9	6
11	Ethanol fixation method for heart and lung imaging in micro-CT. Japanese Journal of Radiology, 2019, 37, 500-510.	2.4	12
12	Universality of indeterminate growth in lizards rejected: the micro-CT reveals contrasting timing of growth cartilage persistence in iguanas, agamas, and chameleons. Scientific Reports, 2019, 9, 18913.	3.3	9
13	Difference in Subjective Accessibility of On Demand Recall of Visual, Taste, and Olfactory Memories. BioMed Research International, 2018, 2018, 1-6.	1.9	3
14	Compensatory Shift of Subcallosal Area and Paraterminal Gyrus White Matter Parameters on DTI in Patients with Alzheimer Disease. Current Alzheimer Research, 2018, 15, 590-599.	1.4	8
15	Asymmetric Changes in Limbic Cortex and Planum Temporale in Patients with Alzheimer Disease. Current Alzheimer Research, 2018, 15, 1361-1368.	1.4	7
16	Trans-generational neurochemical modulation of methamphetamine in the adult brain of the Wistar rat. Archives of Toxicology, 2017, 91, 3373-3384.	4.2	18
17	High-contrast X-ray micro-radiography and micro-CT of ex-vivo soft tissue murine organs utilizing ethanol fixation and large area photon-counting detector. Scientific Reports, 2016, 6, 30385.	3.3	40
18	Evaluation of sample holders designed for long-lasting X-ray micro-tomographic scans of ex-vivo soft tissue samples. Journal of Instrumentation, 2016, 11, C03005-C03005.	1.2	3

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19	Effect of stress on structural brain asymmetry. <i>Neuroendocrinology Letters</i> , 2016, 37, 253-264.	0.2	8
20	Differential impact of stress on hypothalamicâ€“pituitaryâ€“adrenal axis: Gene expression changes in Lewis and Fisher rats. <i>Psychoneuroendocrinology</i> , 2015, 53, 49-59.	2.7	22
21	Hippocampal Spatial Position Evaluation on MRI for Research and Clinical Practice. <i>PLoS ONE</i> , 2014, 9, e115174.	2.5	8
22	Simple Method for Evaluation of Planum Temporale Pyramidal Neurons Shrinkage in Postmortem Tissue of Alzheimer Disease Patients. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	4
23	Regulation of 11 β -Hydroxysteroid Dehydrogenase Type 1 and 7 α -Hydroxylase CYP7B1 during Social Stress. <i>PLoS ONE</i> , 2014, 9, e89421.	2.5	9
24	SMALL ANIMAL IMAGING WITH COMPACT MICRO-CT SCANNER WITH TIMEPIX QUAD DETECTOR. , 2014, , .		0
25	Behavioral, neurochemical and pharmaco-EEG profiles of the psychedelic drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in rats. <i>Psychopharmacology</i> , 2013, 225, 75-93.	3.1	45
26	Volumetric Analysis of the Pons, Cerebellum and Hippocampi in Patients with Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2012, 34, 224-234.	1.5	16
27	Cellular and behavioural effects of a new steroidal inhibitor of the N-methyl-d-aspartate receptor 3 α -pregnanolone glutamate. <i>Neuropharmacology</i> , 2011, 61, 61-68.	4.1	35
28	Delayed effect of chronic administration of corticoids on the taste aversion learning. <i>Neuroendocrinology Letters</i> , 2011, 32, 90-5.	0.2	1
29	Planum Temporale Analysis Via a New Volumetric Method in Autoptic Brains of Demented and Psychotic Patients. <i>Current Alzheimer Research</i> , 2009, 6, 69-76.	1.4	3
30	Lateralization of hippocampal nitric oxide mediator system in people with Alzheimer disease, multi-infarct dementia and schizophrenia. <i>Neurochemistry International</i> , 2008, 53, 118-125.	3.8	28
31	Lesion of posterior parietal cortex in rats does not disrupt place avoidance based on either distal or proximal orienting cues. <i>Neuroscience Letters</i> , 2008, 445, 73-77.	2.1	8
32	Lateralization of 17 β -Hydroxysteroid Dehydrogenase Type 10 in Hippocampi of Demented and Psychotic People. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 26, 193-198.	1.5	15
33	Sex-dependent Actions of Amyloid Beta Peptides on Hippocampal Choline Carriers of Postnatal Rats. <i>Neurochemical Research</i> , 2006, 31, 351-360.	3.3	10
34	Metabotropic glutamate receptor antagonists but not NMDA antagonists affect conditioned taste aversion acquisition in the parabrachial nucleus of rats. <i>Experimental Brain Research</i> , 2006, 169, 50-57.	1.5	8
35	Exposure of Postnatal Rats to a Static Magnetic Field of 0.14 T Influences Functional Laterality of the Hippocampal High-Affinity Choline Uptake System in Adulthood; In vitro Test with Magnetic Nanoparticles. <i>Neurochemical Research</i> , 2005, 30, 253-262.	3.3	5
36	Brain lesion-induced alteration of selected phenotypic properties of spleen macrophages and their partial restoration in the course of foreign body reaction against intraperitoneally implanted polymers. <i>Journal of Materials Science: Materials in Medicine</i> , 1999, 10, 425-429.	3.6	0

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37	Altered levels of urokinase on monocytes and in serum of children with AIDS; effects on lymphocyte activation and surface marker expression. <i>Journal of Leukocyte Biology</i> , 1998, 64, 198-202.	3.3	6