

Houshang Amiri

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

924
citations

471061

17
h-index

454577

30
g-index

32
all docs

32
docs citations

32
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein corona affects the relaxivity and MRI contrast efficiency of magnetic nanoparticles. <i>Nanoscale</i> , 2013, 5, 8656.	2.8	98
2	Fronto-striatal glutamatergic compounds in compulsive and impulsive syndromes: A review of magnetic resonance spectroscopy studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 52, 74-88.	2.9	97
3	Alzheimer's Disease: Pathophysiology and Applications of Magnetic Nanoparticles as MRI Theranostic Agents. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1417-1429.	1.7	95
4	Superparamagnetic colloidal nanocrystal clusters coated with polyethylene glycol fumarate: a possible novel theranostic agent. <i>Nanoscale</i> , 2011, 3, 1022-1030.	2.8	56
5	Urgent challenges in quantification and interpretation of brain grey matter atrophy in individual MS patients using MRI. <i>NeuroImage: Clinical</i> , 2018, 19, 466-475.	1.4	47
6	Fronto-Striatal Glutamate in Autism Spectrum Disorder and Obsessive Compulsive Disorder. <i>Neuropsychopharmacology</i> , 2017, 42, 2456-2465.	2.8	39
7	Novel approaches using mesenchymal stem cells for curing peripheral nerve injuries. <i>Life Sciences</i> , 2019, 221, 99-108.	2.0	38
8	PLGA-encapsulated perfluorocarbon nanoparticles for simultaneous visualization of distinct cell populations by ¹⁹ F MRI. <i>Nanomedicine</i> , 2015, 10, 2339-2348.	1.7	34
9	Agreement of MSmetrix with established methods for measuring cross-sectional and longitudinal brain atrophy. <i>NeuroImage: Clinical</i> , 2017, 15, 843-853.	1.4	32
10	Cell tracking using ¹⁹ F magnetic resonance imaging: Technical aspects and challenges towards clinical applications. <i>European Radiology</i> , 2015, 25, 726-735.	2.3	31
11	Carvacrol ameliorates experimental autoimmune encephalomyelitis through modulating pro- and anti-inflammatory cytokines. <i>Life Sciences</i> , 2019, 219, 257-263.	2.0	31
12	Cortical control of aggression: GABA signalling in the anterior cingulate cortex. <i>European Neuropsychopharmacology</i> , 2020, 30, 5-16.	0.3	31
13	Magnetic and relaxation properties of multifunctional polymer-based nanostructured bioferrofluids as MRI contrast agents. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1715-1721.	1.9	30
14	Recent progress in migraine pathophysiology: role of cortical spreading depression and magnetic resonance imaging. <i>European Journal of Neuroscience</i> , 2013, 38, 3540-3551.	1.2	30
15	Haploinsufficiency of EHMT1 improves pattern separation and increases hippocampal cell proliferation. <i>Scientific Reports</i> , 2017, 7, 40284.	1.6	25
16	Various strategies to improve efficacy of stem cell transplantation in multiple sclerosis: Focus on mesenchymal stem cells and neuroprotection. <i>Journal of Neuroimmunology</i> , 2019, 328, 20-34.	1.1	23
17	Validation of mean upper cervical cord area (MUCCA) measurement techniques in multiple sclerosis (MS): High reproducibility and robustness to lesions, but large software and scanner effects. <i>NeuroImage: Clinical</i> , 2019, 24, 101962.	1.4	21
18	Converging evidence points towards a role of insulin signaling in regulating compulsive behavior. <i>Translational Psychiatry</i> , 2019, 9, 225.	2.4	20

#	ARTICLE	IF	CITATIONS
19	A data-driven statistical model that estimates measurement uncertainty improves interpretation of ADC reproducibility: a multi-site study of liver metastases. <i>Scientific Reports</i> , 2017, 7, 14084.	1.6	18
20	Reproducibility of Deep Gray Matter Atrophy Rate Measurement in a Large Multicenter Dataset. <i>American Journal of Neuroradiology</i> , 2018, 39, 46-53.	1.2	16
21	Pyrolytic carbon coating for cytocompatibility of titanium oxide nanoparticles: a promising candidate for medical applications. <i>Nanotechnology</i> , 2012, 23, 045102.	1.3	15
22	Synthesis of pseudopolyrotaxanes-coated Superparamagnetic Iron Oxide Nanoparticles as new MRI contrast agent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 652-657.	2.5	15
23	Fast T_2 mapping using multi-echo spin-echo MRI: A linear order approach. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2815-2830.	1.9	15
24	Raman active jagged-shaped gold-coated magnetic particles as a novel multimodal nanoprobe. <i>Chemical Communications</i> , 2011, 47, 10404.	2.2	14
25	Selective MET Kinase Inhibition in MET-Dependent Glioma Models Alters Gene Expression and Induces Tumor Plasticity. <i>Molecular Cancer Research</i> , 2017, 15, 1587-1597.	1.5	12
26	Achillea millefolium is beneficial as an add-on therapy in patients with multiple sclerosis: A randomized placebo-controlled clinical trial. <i>Phytomedicine</i> , 2019, 52, 89-97.	2.3	10
27	Biomedical Applications of Superparamagnetic Nanoparticles in Molecular Scale. <i>Current Organic Chemistry</i> , 2015, 19, 982-990.	0.9	10
28	Structural and functional MRI of altered brain development in a novel adolescent rat model of quinpirole-induced compulsive checking behavior. <i>European Neuropsychopharmacology</i> , 2020, 33, 58-70.	0.3	7
29	Novel imaging phantom for accurate and robust measurement of brain atrophy rates using clinical MRI. <i>NeuroImage: Clinical</i> , 2019, 21, 101667.	1.4	3
30	Memantine treatment does not affect compulsive behavior or frontostriatal connectivity in an adolescent rat model for quinpirole-induced compulsive checking behavior. <i>Psychopharmacology</i> , 2022, 239, 2457-2470.	1.5	2
31	Impact of opium dependency on clinical and neuropsychological indices of multiple sclerosis patients. <i>Neurological Sciences</i> , 2019, 40, 2501-2507.	0.9	1