

Edoardo Micotti

List of Publications by Year in descending order

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66
papers

2,027
citations

236612

25
h-index

243296

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69
all docs

69
docs citations

69
times ranked

3986
citing authors

#	ARTICLE	IF	CITATIONS
1	A systems-level analysis highlights microglial activation as a modifying factor in common epilepsies. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	1.8	22
2	Ageing is associated with maladaptive immune response and worse outcome after traumatic brain injury. <i>Brain Communications</i> , 2022, 4, fcac036.	1.5	12
3	Quantitative MRI Harmonization to Maximize Clinical Impact: The RIN Neuroimaging Network. <i>Frontiers in Neurology</i> , 2022, 13, 855125.	1.1	16
4	P073 Temporal pattern of brain injury and inflammation following cardiac arrest in rats. <i>Resuscitation</i> , 2022, 175, S60.	1.3	0
5	Efficacy of acute administration of inhaled argon on traumatic brain injury in mice. <i>British Journal of Anaesthesia</i> , 2021, 126, 256-264.	1.5	26
6	Defective cyclophilin A induces TDP-43 proteinopathy: implications for amyotrophic lateral sclerosis and frontotemporal dementia. <i>Brain</i> , 2021, 144, 3710-3726.	3.7	13
7	In-depth characterization of a mouse model of post-traumatic epilepsy for biomarker and drug discovery. <i>Acta Neuropathologica Communications</i> , 2021, 9, 76.	2.4	20
8	<i>C. elegans</i> detects toxicity of traumatic brain injury generated tau. <i>Neurobiology of Disease</i> , 2021, 153, 105330.	2.1	5
9	LKB1 Deficiency Renders NSCLC Cells Sensitive to ERK Inhibitors. <i>Journal of Thoracic Oncology</i> , 2020, 15, 360-370.	0.5	24
10	Longitudinal Molecular Magnetic Resonance Imaging of Endothelial Activation after Severe Traumatic Brain Injury. <i>Journal of Clinical Medicine</i> , 2019, 8, 1134.	1.0	5
11	Hydrogel-based delivery of Tat-fused protein Hsp70 protects dopaminergic cells in vitro and in a mouse model of Parkinson's disease. <i>NPJ Asia Materials</i> , 2019, 11, .	3.8	28
12	A novel echocardiographic method closely agrees with cardiac magnetic resonance in the assessment of left ventricular function in infarcted mice. <i>Scientific Reports</i> , 2019, 9, 3580.	1.6	15
13	Characterisation of an infantile rat model of de novo status epilepticus: long-term outcomes. <i>Epilepsy and Behavior</i> , 2019, 101, 106744.	0.9	0
14	Microwave-assisted synthesis of TEMPO-labeled hydrogels traceable with MRI. <i>Soft Matter</i> , 2018, 14, 558-565.	1.2	15
15	Single severe traumatic brain injury produces progressive pathology with ongoing contralateral white matter damage one year after injury. <i>Experimental Neurology</i> , 2018, 300, 167-178.	2.0	86
16	Chemical exchange saturation transfer MRI shows low cerebral 2-deoxy-D-glucose uptake in a model of Alzheimer's Disease. <i>Scientific Reports</i> , 2018, 8, 9576.	1.6	33
17	Multifunctional liposomes delay phenotype progression and prevent memory impairment in a presymptomatic stage mouse model of Alzheimer disease. <i>Journal of Controlled Release</i> , 2017, 258, 121-129.	4.8	40
18	Abstract 3857: Patient-derived tumor xenografts as pharmacological model of human pancreatic ductal adenocarcinoma. , 2017, , .		0

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19	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. Scientific Reports, 2016, 6, 30343.	1.6	15
20	An early developmental vertebrate model for nanomaterial safety: bridging cell-based and mammalian toxicity assessment. Nanomedicine, 2016, 11, 643-656.	1.7	21
21	Bevacizumab-Induced Inhibition of Angiogenesis Promotes a More Homogeneous Intratumoral Distribution of Paclitaxel, Improving the Antitumor Response. Molecular Cancer Therapeutics, 2016, 15, 125-135.	1.9	56
22	Comparative Magnetic Resonance Imaging and Histopathological Correlates in Two SOD1 Transgenic Mouse Models of Amyotrophic Lateral Sclerosis. PLoS ONE, 2015, 10, e0132159.	1.1	23
23	Striatum and entorhinal cortex atrophy in AD mouse models: MRI comprehensive analysis. Neurobiology of Aging, 2015, 36, 776-788.	1.5	25
24	Transgenic Fatal Familial Insomnia Mice Indicate Prion Infectivity-Independent Mechanisms of Pathogenesis and Phenotypic Expression of Disease. PLoS Pathogens, 2015, 11, e1004796.	2.1	61
25	The Continuing Failure of Bexarotene in Alzheimer's Disease Mice. Journal of Alzheimer's Disease, 2015, 46, 471-482.	1.2	28
26	Dipolar ordering in a molecular nanomagnet detected using muon spin relaxation. Physical Review B, 2014, 89, .	1.1	5
27	Easily available, low cost ¹⁹ F MRI agents: Poly(ethylene-glycol)-functionalized fluorinated ethers. Journal of Fluorine Chemistry, 2013, 153, 172-177.	0.9	5
28	Six-Month Ischemic Mice Show Sensorimotor and Cognitive Deficits Associated with Brain Atrophy and Axonal Disorganization. CNS Neuroscience and Therapeutics, 2013, 19, 695-704.	1.9	17
29	Paclitaxel Enhances Therapeutic Efficacy of the F8-IL2 Immunocytokine to EDA-Fibronectin-Positive Metastatic Human Melanoma Xenografts. Cancer Research, 2012, 72, 1814-1824.	0.4	86
30	Targeting Mannose-Binding Lectin Confers Long-Lasting Protection With a Surprisingly Wide Therapeutic Window in Cerebral Ischemia. Circulation, 2012, 126, 1484-1494.	1.6	119
31	Spin freezing in geometrically frustrated magnetic molecule Fe ₃ O ₄ revealed by NMR. Journal of Physics: Conference Series, 2012, 400, 032012.	0.3	0
32	Targeting MBL in cerebral ischemia induces long lasting protection with a wide therapeutic window. Immunobiology, 2012, 217, 1207.	0.8	0
33	Mutant PrP Suppresses Glutamatergic Neurotransmission in Cerebellar Granule Neurons by Impairing Membrane Delivery of VGCC $\alpha 1$ Subunit. Neuron, 2012, 74, 300-313.	3.8	64
34	In vivo imaging of glia activation using ¹ H magnetic resonance spectroscopy to detect putative biomarkers of tissue epileptogenicity. Epilepsia, 2012, 53, 1907-1916.	2.6	75
35	Multiple drug delivery hydrogel system for spinal cord injury repair strategies. Journal of Controlled Release, 2012, 159, 271-280.	4.8	84
36	Longitudinal Tracking of Human Fetal Cells Labeled with Super Paramagnetic Iron Oxide Nanoparticles in the Brain of Mice with Motor Neuron Disease. PLoS ONE, 2012, 7, e32326.	1.1	28

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37	Poly(ethylene-glycol)-based fluorinated esters: a readily available entry for novel 19F-MRI agents. Tetrahedron Letters, 2011, 52, 6581-6583.	0.7	11
38	In situ agarose carbomer hydrogel polycondensation: A chemical approach to regenerative medicine. Materials Letters, 2011, 65, 1688-1692.	1.3	21
39	Study of Compatibility of a Silicon Drift Detector With a MRI System. IEEE Transactions on Nuclear Science, 2011, 58, 559-568.	1.2	3
40	CX3CL1 Is Neuroprotective in Permanent Focal Cerebral Ischemia in Rodents. Journal of Neuroscience, 2011, 31, 16327-16335.	1.7	168
41	Magnetization and spin dynamics of a Cr-based magnetic cluster. Journal of Magnetism and Magnetic Materials, 2010, 322, 1262-1264.	1.0	4
42	Experimental validation of Villain's conjecture about magnetic ordering in quasi-1D helimagnets. Journal of Magnetism and Magnetic Materials, 2010, 322, 1259-1261.	1.0	8
43	Bovine Serum Albumin-Based Magnetic Nanocarrier for MRI Diagnosis and Hyperthermic Therapy: A Potential Theranostic Approach Against Cancer. Small, 2010, 6, 366-370.	5.2	88
44	Unconventional Nonequilibrium Dynamics in $\langle \text{Ni} \rangle_{10}$ Magnetic Molecules: Evidence from NMR. Physical Review Letters, 2009, 102, 177201.	2.9	8
45	Synthesis and characterization of polyethylenimine-based iron oxide composites as novel contrast agents for MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2009, 22, 77-87.	1.1	46
46	Magnetic properties of novel superparamagnetic MRI contrast agents based on colloidal nanocrystals. Journal of Magnetism and Magnetic Materials, 2008, 320, e320-e323.	1.0	45
47	Magnetic and relaxometric properties of polyethylenimine-coated superparamagnetic MRI contrast agents. Journal of Magnetism and Magnetic Materials, 2008, 320, e316-e319.	1.0	43
48	One-Pot Synthesis and Characterization of Size-Controlled Bimagnetic FePt-iron Oxide Heterodimer Nanocrystals. Journal of the American Chemical Society, 2008, 130, 1477-1487.	6.6	179
49	Two-Step Magnetic Ordering in Quasi-One-Dimensional Helimagnets: Possible Experimental Validation of Villain's Conjecture about a Chiral Spin Liquid Phase. Physical Review Letters, 2008, 100, 057203.	2.9	42
50	Study of compatibility of a Silicon Drift Detector with a MRI system. , 2008, , .		3
51	Local Spin Moment Distribution In Molecular Nanomagnets V15 And Cr7Cd Determined By NMR. AIP Conference Proceedings, 2008.	0.3	0
52	Low-energy spin dynamics in the giant keplerate molecule $\langle \text{Mo} \rangle_{72} \langle \text{Fe} \rangle_{30}$: A muon spin relaxation and	1.1	14
53	Local spin dynamics in magnetic molecular chains studied by NMR and $^{1/4}\text{SR}$. Inorganica Chimica Acta, 2007, 360, 3903-3908.	1.2	5
54	19F NMR and longitudinal field $^{1/4}\text{SR}$ studies of the spin dynamics in LiY0.998Ho0.002F4. Physica B: Condensed Matter, 2006, 374-375, 9-12.	1.3	2

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55	Local Spin Moment Distribution in Antiferromagnetic Molecular Rings Probed by NMR. Physical Review Letters, 2006, 97, 267204.	2.9	50
56	Low-energy excitations in the $S=12$ molecular nanomagnet $K_6[V_{15}IVAs_6O_{42}(H_2O)] \cdot 8H_2O$ from proton NMR and ^{51}V SR. Physical Review B, 2006, 73, .	1.1	34
57	NMR as a Probe of the Relaxation of the Magnetization in Magnetic Molecules. Physical Review Letters, 2005, 94, 077203.	2.9	66
58	Spin dynamics at the level crossing in the molecular antiferromagnetic ring $[Cr_8F_8Piv_{16}]$ from proton NMR. Physical Review B, 2005, 72, .	1.1	20
59	7Li nuclear magnetic resonance in the hexairon(III) antiferromagnetic molecular ring $Fe_6:Li$. Journal of Applied Physics, 2004, 95, 6879-6881.	1.1	1
60	Scaling behavior of the proton spin-lattice relaxation rate in antiferromagnetic molecular rings. Physical Review B, 2004, 70, .	1.1	48
61	Critical slowing down of the spin dynamics in antiferromagnetic rings. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E741-E742.	1.0	7
62	Spin dynamics at level crossing in molecular AF rings probed by NMR. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1042-1047.	1.0	5
63	Novel spin dynamics in ferrimagnetic molecular chains from NMR and ^{51}V SR spin-lattice relaxation measurements. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1087-1088.	1.0	7
64	NMR and ^{51}V SR investigation of spin dynamics in $\{Mo_7Fe_{30}\}$ molecular clusters. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1099-1101.	1.0	5
65	1H NMR study of dodecanuclear polyoxovanadate cluster $\{V_{12}\}$. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E759-E761.	1.0	4
66	Proton nuclear magnetic resonance investigation of the spin dynamics in cobalt based one-dimensional magnetic molecular chains. Journal of Applied Physics, 2003, 93, 8749-8751.	1.1	10