

# Robia G Pautler

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

3,308  
citations

186265

28  
h-index

302126

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

4714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Mode Tumor Imaging Using Probes That Are Responsive to Hypoxia-Induced Pathological Conditions. <i>Biosensors</i> , 2022, 12, 478.	4.7	10
2	Magnetic resonance thermometry using a GdIII-based contrast agent. <i>Chemical Communications</i> , 2021, 57, 1770-1773.	4.1	4
3	Use of a bioengineered antioxidant in mouse models of metabolic syndrome. <i>Expert Opinion on Investigational Drugs</i> , 2020, 29, 209-219.	4.1	1
4	Maternal stress in Shank3 <sup>ex4-9</sup> mice increases pup-directed care and alters brain white matter in male offspring. <i>PLoS ONE</i> , 2019, 14, e0224876.	2.5	2
5	Fluorinated Eu <sup>III</sup> -based multimodal contrast agent for temperature- and redox-responsive magnetic resonance imaging. <i>Chemical Science</i> , 2017, 8, 8345-8350.	7.4	60
6	Characterization of a novel MR-detectable nanoantioxidant that mitigates the recall immune response. <i>NMR in Biomedicine</i> , 2016, 29, 1436-1444.	2.8	5
7	Eliminating Nox2 reactive oxygen species production protects dystrophic skeletal muscle from pathological calcium influx assessed <i>in vivo</i> by manganese-enhanced magnetic resonance imaging. <i>Journal of Physiology</i> , 2016, 594, 6395-6405.	2.9	17
8	Preferential uptake of antioxidant carbon nanoparticles by T lymphocytes for immunomodulation. <i>Scientific Reports</i> , 2016, 6, 33808.	3.3	32
9	Neuroimaging in Alzheimer's disease: preclinical challenges toward clinical efficacy. <i>Translational Research</i> , 2016, 175, 37-53.	5.0	6
10	Pharmacologic treatment with histone deacetylase 6 inhibitor (ACY-738) recovers Alzheimer's disease phenotype in amyloid precursor protein/presenilin 1 (APP/PS1) mice. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2015, 1, 170-181.	3.7	47
11	Highly efficient conversion of superoxide to oxygen using hydrophilic carbon clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2343-2348.	7.1	173
12	In vivo axonal transport deficits in a mouse model of fronto-temporal dementia. <i>NeuroImage: Clinical</i> , 2014, 4, 711-717.	2.7	63
13	Targeting pancreatic cancer with magneto-fluorescent theranostic gold nanoshells. <i>Nanomedicine</i> , 2014, 9, 1209-1222.	3.3	62
14	Use of Magnetization Transfer Contrast MRI to Detect Early Molecular Pathology in Alzheimer's Disease. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 333-338.	3.0	23
15	Improvements in a Mouse Model of Alzheimer's Disease through Sod2 Overexpression Are Due to Functional and Not Structural Alterations. <i>Magnetic Resonance Insights</i> , 2012, 5, MRI.S9352.	2.5	9
16	Antioxidant Carbon Particles Improve Cerebrovascular Dysfunction Following Traumatic Brain Injury. <i>ACS Nano</i> , 2012, 6, 8007-8014.	14.6	108
17	Manganese-Enhanced Magnetic Resonance Imaging (MEMRI). <i>Methods in Molecular Biology</i> , 2011, 711, 145-174.	0.9	66
18	R-flurbiprofen improves axonal transport in the Tg2576 mouse model of Alzheimer's Disease as determined by MEMRI. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1423-1429.	3.0	30

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19	Amyloid $\beta$ -Induced Impairments in Hippocampal Synaptic Plasticity Are Rescued by Decreasing Mitochondrial Superoxide. <i>Journal of Neuroscience</i> , 2011, 31, 5589-5595.	3.6	132
20	Manganese enhanced MRI (MEMRI): neurophysiological applications. <i>Reviews in the Neurosciences</i> , 2011, 22, 675-94.	2.9	74
21	Hyperglycemia Induces Oxidative Stress and Impairs Axonal Transport Rates in Mice. <i>PLoS ONE</i> , 2010, 5, e13463.	2.5	73
22	Increased Human Wildtype Tau Attenuates Axonal Transport Deficits Caused by Loss of App in Mouse Models. <i>Magnetic Resonance Insights</i> , 2010, 4, MRI.S5237.	2.5	23
23	Convergence of Presenilin- and Tau-Mediated Pathways on Axonal Trafficking and Neuronal Function. <i>Journal of Neuroscience</i> , 2010, 30, 13409-13418.	3.6	26
24	Tracking of Multimodal Therapeutic Nanocomplexes Targeting Breast Cancer in Vivo. <i>Nano Letters</i> , 2010, 10, 4920-4928.	9.1	157
25	A Molecularly Targeted Theranostic Probe for Ovarian Cancer. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1028-1038.	4.1	77
26	Mitochondrial Superoxide Contributes to Blood Flow and Axonal Transport Deficits in the Tg2576 Mouse Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2010, 5, e10561.	2.5	57
27	Nanoshells with Targeted Simultaneous Enhancement of Magnetic and Optical Imaging and Photothermal Therapeutic Response. <i>Advanced Functional Materials</i> , 2009, 19, 3901-3909.	14.9	208
28	Overexpression of SOD-2 reduces hippocampal superoxide and prevents memory deficits in a mouse model of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13576-13581.	7.1	197
29	Mitochondrial superoxide: a key player in Alzheimer's disease. <i>Aging</i> , 2009, 1, 758-761.	3.1	50
30	Assessing transneuronal dysfunction utilizing manganese-enhanced MRI (MEMRI). <i>Magnetic Resonance in Medicine</i> , 2008, 60, 169-175.	3.0	28
31	In vivo axonal transport rates decrease in a mouse model of Alzheimer's disease. <i>NeuroImage</i> , 2007, 35, 1401-1408.	4.2	137
32	Statistical diffusion tensor histology reveals regional dysmyelination effects in the shiverer mouse mutant. <i>NeuroImage</i> , 2006, 29, 1058-1065.	4.2	164
33	Biological Applications of Manganese-Enhanced Magnetic Resonance Imaging. , 2006, 124, 365-386.		47
34	Mouse MRI: Concepts and Applications in Physiology. <i>Physiology</i> , 2004, 19, 168-175.	3.1	47
35	In vivo, trans-synaptic tract-tracing utilizing manganese-enhanced magnetic resonance imaging (MEMRI). <i>NMR in Biomedicine</i> , 2004, 17, 595-601.	2.8	132
36	In vivo trans-synaptic tract tracing from the murine striatum and amygdala utilizing manganese enhanced MRI (MEMRI). <i>Magnetic Resonance in Medicine</i> , 2003, 50, 33-39.	3.0	135

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37	The year(s) of the contrast agent “micro-MRI in the new millennium. <i>Current Opinion in Immunology</i> , 2003, 15, 385-392.	5.5	46
38	Tracing Odor-Induced Activation in the Olfactory Bulbs of Mice Using Manganese-Enhanced Magnetic Resonance Imaging. <i>NeuroImage</i> , 2002, 16, 441-448.	4.2	225
39	Manganese-enhanced MRI of mouse heart during changes in inotropy. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 884-890.	3.0	121
40	In vivo neuronal tract tracing using manganese-enhanced magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 740-748.	3.0	434