

# Isabelle Loubinoux

## List of Publications by Year in descending order

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73  
papers

4,811  
citations

136740

32  
h-index

95083

68  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Present and future avenues of cell-based therapy for brain injury: The enteric nervous system as a potential cell source. <i>Brain Pathology</i> , 2022, 32, .	2.1	3
2	A Reproducible New Model of Focal Ischemic Injury in the Marmoset Monkey: MRI and Behavioural Follow-Up. <i>Translational Stroke Research</i> , 2021, 12, 98-111.	2.3	5
3	Post-stroke remodeling processes in animal models and humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 3-22.	2.4	73
4	Kinematic parameters obtained with the ArmeoSpring for upper-limb assessment after stroke: a reliability and learning effect study for guiding parameter use. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 130.	2.4	9
5	Controlling for lesions, kinematics and physiological noise: impact on fMRI results of spastic post-stroke patients. <i>MethodsX</i> , 2020, 7, 101056.	0.7	1
6	Cross-Modal Functional Connectivity of the Premotor Cortex Reflects Residual Motor Output After Stroke. <i>Brain Connectivity</i> , 2020, 10, 236-249.	0.8	7
7	Interfacing cells with microengineered scaffolds for neural tissue reconstruction. <i>Brain Research Bulletin</i> , 2019, 152, 202-211.	1.4	25
8	Wet spinning and radial self-assembly of a carbohydrate low molecular weight gelator into well organized hydrogel filaments. <i>Nanoscale</i> , 2019, 11, 15043-15056.	2.8	21
9	Two-photon lithography and microscopy of 3D hydrogel scaffolds for neuronal cell growth. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 027009.	0.6	72
10	Five-day course of paired associative stimulation fails to improve motor function in stroke patients. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018, 61, 78-84.	1.1	19
11	Direct laser fabrication of free-standing PEGDA-hydrogel scaffolds for neuronal cell growth. <i>Materials Today</i> , 2018, 21, 315-316.	8.3	29
12	Action, observation or imitation of virtual hand movement affect differently regions of the mirror neuron system and the default mode network. <i>Brain Imaging and Behavior</i> , 2018, 12, 1363-1378.	1.1	15
13	Focal Malonate Injection Into the Internal Capsule of Rats as a Model of Lacunar Stroke. <i>Frontiers in Neurology</i> , 2018, 9, 1072.	1.1	8
14	Serotonin Selective Reuptake Inhibitors (SSRIs) and Stroke. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 100.	2.0	23
15	Simple Synthetic Molecular Hydrogels from Self-Assembling Alkylgalactonamides as Scaffold for 3D Neuronal Cell Growth. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17004-17017.	4.0	30
16	A shear-induced network of aligned wormlike micelles in a sugar-based molecular gel. From gelation to biocompatibility assays. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 721-730.	5.0	14
17	Multiphoton Direct Laser Writing and 3D Imaging of Polymeric Freestanding Architectures for Cell Colonization. <i>Small</i> , 2017, 13, 1700621.	5.2	58
18	Cerebral imaging of post-stroke plasticity and tissue repair. <i>Revue Neurologique</i> , 2017, 173, 577-583.	0.6	12

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19	Enhancing Plasticity of the Central Nervous System: Drugs, Stem Cell Therapy, and Neuro-Implants. <i>Neural Plasticity</i> , 2017, 2017, 1-9.	1.0	12
20	Imaging grafted cells with [18F]FHBG using an optimized HSV1-TK mammalian expression vector in a brain injury rodent model. <i>PLoS ONE</i> , 2017, 12, e0184630.	1.1	8
21	Regenerative potential of primary adult human neural stem cells on micropatterned bio-implants boosts motor recovery. <i>Stem Cell Research and Therapy</i> , 2017, 8, 253.	2.4	16
22	Strength and fine dexterity recovery profiles after a primary motor cortex insult and effect of a neuronal cell graft.. <i>Behavioral Neuroscience</i> , 2015, 129, 423-434.	0.6	14
23	Corticospinal Tract Tracing in the Marmoset with a Clinical Whole-Body 3T Scanner Using Manganese-Enhanced MRI. <i>PLoS ONE</i> , 2015, 10, e0138308.	1.1	6
24	Anodal tDCS Combined With Radial Nerve Stimulation Promotes Hand Motor Recovery in the Acute Phase After Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 743-754.	1.4	70
25	Micropatterned bioimplant with guided neuronal cells to promote tissue reconstruction and improve functional recovery after primary motor cortex insult. <i>Biomaterials</i> , 2015, 58, 46-53.	5.7	35
26	Disruption of posteromedial large-scale neural communication predicts recovery from coma. <i>Neurology</i> , 2015, 85, 2036-2044.	1.5	83
27	Monoaminergic drugs for motor recovery after ischemic stroke. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 509-519.	1.1	13
28	Transcranial magnetic stimulation in brain injury. <i>Annales Francaises D'Anesthesie Et De Reanimation</i> , 2014, 33, 83-87.	1.4	18
29	Post-stroke hemiplegia rehabilitation: Evolution of the concepts. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 520-529.	1.1	30
30	Stem cells and motor recovery after stroke. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 499-508.	1.1	10
31	Investigation of the Competition Between Cell/Cell Surface and Cell/Cell Interactions During Neuronal Cell Culture on a Microengineered Surface. <i>Macromolecular Bioscience</i> , 2013, 13, 1546-1555.	2.1	10
32	Use of Antidepressant Medications To Improve Outcomes After Stroke. <i>Current Neurology and Neuroscience Reports</i> , 2013, 13, 318.	2.0	22
33	Adult human progenitor cells from the temporal lobe: Another source of neuronal cells. <i>Brain Injury</i> , 2012, 26, 1636-1645.	0.6	9
34	Cerebral Hemodynamic Changes Induced by a Lumbar Puncture in Good-Grade Subarachnoid Hemorrhage. <i>Cerebrovascular Diseases Extra</i> , 2012, 2, 52-62.	0.5	4
35	Elucidation of the Role of Carbon Nanotube Patterns on the Development of Cultured Neuronal Cells. <i>Langmuir</i> , 2012, 28, 17363-17371.	1.6	46
36	Poststroke depression: mechanisms, translation and therapy. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1961-1969.	1.6	239

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37	Engineering of adult human neural stem cells differentiation through surface micropatterning. <i>Biomaterials</i> , 2012, 33, 504-514.	5.7	172
38	Fluoxetine for motor recovery after acute ischaemic stroke (FLAME): a randomised placebo-controlled trial. <i>Lancet Neurology</i> , The, 2011, 10, 123-130.	4.9	795
39	Multi-scale engineering for neuronal cell growth and differentiation. <i>Microelectronic Engineering</i> , 2011, 88, 1668-1671.	1.1	21
40	Poststroke Conscious Visual Deficit. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 703-710.	1.4	6
41	Impaired Visual Hand Recognition in Preoperative Patients during Brachial Plexus Anesthesia. <i>Anesthesiology</i> , 2011, 114, 126-134.	1.3	33
42	The Role of Fluoxetine and Selective Serotonin Re-uptake Inhibitors in Motor Recovery Following Acute Ischaemic Stroke. <i>European Neurological Review</i> , 2011, 6, 249.	0.5	1
43	Neuropharmacology in stroke recovery. , 2010, , 183-194.		12
44	Temporal analysis of regional anaesthesia-induced sensorimotor dysfunction: a model for understanding phantom limb. <i>British Journal of Anaesthesia</i> , 2010, 105, 208-213.	1.5	18
45	WAKEFULNESS AND LOSS OF AWARENESS: BRAIN AND BRAINSTEM INTERACTION IN THE VEGETATIVE STATE. <i>Neurology</i> , 2010, 75, 751-752.	1.5	6
46	Induction of Cortical Plastic Changes in Wrist Muscles by Paired Associative Stimulation in the Recovery Phase of Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2009, 23, 366-372.	1.4	74
47	Neural substrates of low-frequency repetitive transcranial magnetic stimulation during movement in healthy subjects and acute stroke patients. A PET study. <i>Human Brain Mapping</i> , 2009, 30, 2542-2557.	1.9	38
48	Transition from rest to movement: Brain correlates revealed by functional connectivity. <i>NeuroImage</i> , 2009, 48, 207-216.	2.1	42
49	Neural Correlates of Proprioceptive Integration in the Contralesional Hemisphere of Very Impaired Patients Shortly After a Subcortical Stroke: An fMRI Study. <i>Neurorehabilitation and Neural Repair</i> , 2008, 22, 154-165.	1.4	76
50	Can fMRI Measures of Brain Motor Activation Add Significantly to Other Variables in the Prediction of Treatment Response?. <i>Stroke</i> , 2007, 38, 2032-2033.	1.0	3
51	Prognostic Value of fMRI in Recovery of Hand Function in Subcortical Stroke Patients. <i>Cerebral Cortex</i> , 2007, 17, 2980-2987.	1.6	103
52	Induction of cortical plastic changes in wrist muscles by paired associative stimulation in healthy subjects and post-stroke patients. <i>Experimental Brain Research</i> , 2007, 180, 113-122.	0.7	57
53	Methylphenidate modulates cerebral post-stroke reorganization. <i>NeuroImage</i> , 2006, 33, 913-922.	2.1	49
54	Modulation of behavior and cortical motor activity in healthy subjects by a chronic administration of a serotonin enhancer. <i>NeuroImage</i> , 2005, 27, 299-313.	2.1	72

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55	Chronic administration of selective serotonin reuptake inhibitor (SSRI) paroxetine modulates human motor cortex excitability in healthy subjects. <i>NeuroImage</i> , 2005, 27, 314-322.	2.1	101
56	Subthalamic Nucleus Stimulation Reduces Abnormal Motor Cortical Overactivity in Parkinson Disease. <i>Archives of Neurology</i> , 2004, 61, 1307-13.	4.9	104
57	A longitudinal fMRI study: in recovering and then in clinically stable sub-cortical stroke patients. <i>NeuroImage</i> , 2004, 23, 827-839.	2.1	242
58	Neuroimaging in Stroke Recovery: A Position Paper from the First International Workshop on Neuroimaging and Stroke Recovery. <i>Cerebrovascular Diseases</i> , 2004, 18, 260-267.	0.8	115
59	Correlation between cerebral reorganization and motor recovery after subcortical infarcts. <i>NeuroImage</i> , 2003, 20, 2166-2180.	2.1	219
60	A Single Dose of the Serotonin Neurotransmission Agonist Paroxetine Enhances Motor Output: Double-Blind, Placebo-Controlled, fMRI Study in Healthy Subjects. <i>NeuroImage</i> , 2002, 15, 26-36.	2.1	107
61	R�cup�ration neurologique post-isch�mique. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2002, 186, 1015-1024.	0.0	4
62	Selective serotonin reuptake inhibitor paroxetine modulates motor behavior through practice. A double-blind, placebo-controlled, multi-dose study in healthy subjects. <i>Neuropsychologia</i> , 2002, 40, 1815-1821.	0.7	47
63	A One-Dimensional (Proton and Phosphorus) and Two-Dimensional (Proton) In Vivo NMR Spectroscopic Study of Reversible Global Cerebral Ischemia. <i>Journal of Neurochemistry</i> , 2002, 66, 2491-2499.	2.1	40
64	Fluoxetine modulates motor performance and cerebral activation of patients recovering from stroke. <i>Annals of Neurology</i> , 2001, 50, 718-729.	2.8	345
65	Within-Session and Between-Session Reproducibility of Cerebral Sensorimotor Activation: A Test-Retest Effect Evidenced with Functional Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 592-607.	2.4	145
66	Neural Substrate for the Effects of Passive Training on Sensorimotor Cortical Representation: A Study with Functional Magnetic Resonance Imaging in Healthy Subjects. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 478-484.	2.4	153
67	Cerebral Functional Magnetic Resonance Imaging Activation Modulated by a Single Dose of the Monoamine Neurotransmission Enhancers Fluoxetine and Fenozolone during Hand Sensorimotor Tasks. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 1365-1375.	2.4	70
68	Event-Related Potentials Elicited by Passive Movements in Humans: Characterization, Source Analysis, and Comparison to fMRI. <i>NeuroImage</i> , 1998, 8, 377-390.	2.1	62
69	The ipsilateral cerebellar hemisphere is overactive during hand movements in akinetic parkinsonian patients. <i>Brain</i> , 1997, 120, 103-110.	3.7	190
70	The effects of a butanediol treatment on acute focal cerebral ischemia assessed by quantitative diffusion and T2 MR imaging. <i>Magnetic Resonance Imaging</i> , 1997, 15, 1045-1055.	1.0	3
71	Spreading of Vasogenic Edema and Cytotoxic Edema Assessed by Quantitative Diffusion and T2 Magnetic Resonance Imaging. <i>Stroke</i> , 1997, 28, 419-427.	1.0	181
72	Delayed progression of cytotoxic oedema in focal cerebral ischemia after treatment with a torasemide derivative: a diffusion-weighted magnetic resonance imaging study. <i>Neuroscience Letters</i> , 1996, 213, 123-126.	1.0	6

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73	Cerebral metabolic changes induced by MK-801: a 1D (phosphorus and proton) and 2D (proton) in vivo NMR spectroscopy study. Brain Research, 1994, 643, 115-124.	1.1	25