Masaki Sekino

List of Publications by Citations

37 papers	2,555 citations	20 h-index	40 g-index
40 ext. papers	3,111 ext. citations	8.6 avg, IF	4.71 L-index

#	Paper	IF	Citations
37	Inflammation-free, gas-permeable, lightweight, stretchable on-skin electronics with nanomeshes. *Nature Nanotechnology*, **2017**, 12, 907-913	28.7	555
36	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. *Nature*, **2018**, 561, 516-521	50.4	468
35	Ultraflexible, large-area, physiological temperature sensors for multipoint measurements. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14533-8	11.5	247
34	Ultraflexible organic amplifier with biocompatible gel electrodes. *Nature Communications*, **2016**, 7, 11425	17.4	139
33	Transparent, conformable, active multielectrode array using organic electrochemical transistors. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10554-10559	11.5	133
32	Ultrasoft electronics to monitor dynamically pulsing cardiomyocytes. *Nature Nanotechnology*, **2019**, 14, 156-160	28.7	115
31	Integration of Organic Electrochemical and Field-Effect Transistors for Ultraflexible, High Temporal Resolution Electrophysiology Arrays. *Advanced Materials*, **2016**, 28, 9722-9728	24	101
30	Nonthrombogenic, stretchable, active multielectrode array for electroanatomical mapping. *Science Advances*, **2018**, 4, eaau2426	14.3	89
29	Self-Adhesive and Ultra-Conformable, Sub-300 nm Dry Thin-Film Electrodes for Surface Monitoring of Biopotentials. *Advanced Functional Materials*, **2018**, 28, 1803279	15.6	81
28	Iron hydroxide nanoparticles coated with poly(ethylene glycol)-poly(aspartic acid) block copolymer as novel magnetic resonance contrast agents for in vivo cancer imaging. *Colloids and Surfaces B: Biointerfaces*, **2007**, 56, 174-81	6	80
27	Enhanced in vivo Magnetic Resonance Imaging of Tumors by PEGylated Iron-Oxide-Gold Core-Shell Nanoparticles with Prolonged Blood Circulation Properties. *Macromolecular Rapid Communications*, **2010**, 31, 1521-8	4.8	75
26	Asymmetries of prefrontal cortex in human episodic memory: effects of transcranial magnetic stimulation on learning abstract patterns. *Neuroscience Letters*, **2002**, 320, 5-8	3.3	59
25	Enhanced magnetic resonance imaging of experimental pancreatic tumor in vivo by block copolymer-coated magnetite nanoparticles with TGF-beta inhibitor. *Journal of Controlled Release*, **2009**, 140, 306-11	11.7	56
24	Evaluation of diffusional anisotropy and microscopic structure in skeletal muscles using magnetic resonance. *Magnetic Resonance Imaging*, **2006**, 24, 19-25	3.3	53
23	Biological effects of electromagnetic fields and recently updated safety guidelines for strong static magnetic fields. *Magnetic Resonance in Medical Sciences*, **2011**, 10, 1-10	2.9	50
22	1 μm-thickness ultra-flexible and high electrode-density surface electromyogram measurement sheet with 2 V organic transistors for prosthetic hand control. *IEEE Transactions on Biomedical Circuits and Systems*, **2014**, 8, 824-33	5.1	47
21	Effects of pulsed magnetic stimulation on tumor development and immune functions in mice. *Bioelectromagnetics*, **2006**, 27, 64-72	1.6	47

20	Conductivity tensor imaging of the brain using diffusion-weighted magnetic resonance imaging. *Journal of Applied Physics*, **2003**, 93, 6730-6732	2.5	37
19	Prospect of High-Field MRI. *IEEE Transactions on Applied Superconductivity*, **2010**, 20, 115-122	1.8	35
18	Ultraflexible Transparent Oxide/Metal/Oxide Stack Electrode with Low Sheet Resistance for Electrophysiological Measurements. *ACS Applied Materials & Interfaces*, **2017**, 9, 34744-34750	9.5	21
17	Ultraflexible organic light-emitting diodes for optogenetic nerve stimulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 21138-21146	11.5	20
16	Low-frequency conductivity tensor of rat brain tissues inferred from diffusion MRI. *Bioelectromagnetics*, **2009**, 30, 489-99	1.6	17
15	Biomagnetics and bioimaging for medical applications. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, 122-127	2.8	10
14	Estimation of membrane permeability and intracellular diffusion coefficients. *Magnetic Resonance in Medical Sciences*, **2006**, 5, 1-6	2.9	5
13	Toward Detection of Transient Changes in Magnetic-Resonance Signal Intensity Arising From Neuronal Electrical Activities. *IEEE Transactions on Magnetics*, **2009**, 45, 4841-4844	2	3
12	Multicomponent proton spin–spin relaxation of fibrin gels with magnetically oriented and randomly oriented fibrin fiber structures. *Journal of Applied Physics*, **2003**, 93, 6736-6738	2.5	3
11	A method for an accurate T1 relaxation-time measurement compensating B1 field inhomogeneity in magnetic-resonance imaging. *Journal of Applied Physics*, **2005**, 97, 10E107	2.5	3
10	Imaging of Electric Permittivity and Conductivity Using Magnetic Resonance Imaging. *IEEE Transactions on Magnetics*, **2008**, 44, 4460-4463	2	2
9	NEW HORIZON IN BIOIMAGING AND BIOMAGNETICS. *International Journal on Smart Sensing and Intelligent Systems*, **2008**, 1, 300-314	0.4	2
8	Transcranial magnetic stimulation and magnetic resonance imaging of currents and conductivity tomography of the brain. *International Congress Series*, **2004**, 1270, 9-14		1
7	Applications of Biomagnetic Stimulation for Medical Treatments and for Brain Research **2015**, 61-88		1
6	Figure-Eight Coils for Magnetic Stimulation: From Focal Stimulation to Deep Stimulation.. *Frontiers in Human Neuroscience*, **2021**, 15, 805971	3.3	0
5	Subvoxel limits of magnetic resonance angiography: One-dimensional case. *Journal of Applied Physics*, **2010**, 107, 09B326	2.5	
4	Correction to "Magnetic Resonance Imaging of Electrical Conductivity in the Human Brain" [Oct 05 4203-4205]. *IEEE Transactions on Magnetics*, **2009**, 45, 3031-3031	2	
3	Brain dynamics and biomagnetics. *International Congress Series*, **2006**, 1291, 14-21		

2	8-T static magnetic field changes the nerve excitation of slow conduction component of the rat sciatic nerve . *Pain Research*, **2006**, 21, 10-16	0
1	Flexible Light Sources. *Advances in Experimental Medicine and Biology*, **2021**, 1293, 601-612	3.6