

Masaki Sekino

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Flexible Light Sources. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1293, 601-612	3.6	
36	Figure-Eight Coils for Magnetic Stimulation: From Focal Stimulation to Deep Stimulation.. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 805971	3.3	0
35	Ultraflexible organic light-emitting diodes for optogenetic nerve stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 21138-21146	11.5	20
34	Ultrasoft electronics to monitor dynamically pulsing cardiomyocytes. <i>Nature Nanotechnology</i> , 2019 , 14, 156-160	28.7	115
33	Self-Adhesive and Ultra-Conformable, Sub-300 nm Dry Thin-Film Electrodes for Surface Monitoring of Biopotentials. <i>Advanced Functional Materials</i> , 2018 , 28, 1803279	15.6	81
32	Self-powered ultra-flexible electronics via nano-grating-patterned organic photovoltaics. <i>Nature</i> , 2018 , 561, 516-521	50.4	468
31	Nonthrombogenic, stretchable, active multielectrode array for electroanatomical mapping. <i>Science Advances</i> , 2018 , 4, eaau2426	14.3	89
30	Transparent, conformable, active multielectrode array using organic electrochemical transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10554-10559	11.5	133
29	Ultraflexible Transparent Oxide/Metal/Oxide Stack Electrode with Low Sheet Resistance for Electrophysiological Measurements. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34744-34750	9.5	21
28	Inflammation-free, gas-permeable, lightweight, stretchable on-skin electronics with nanomeshes. <i>Nature Nanotechnology</i> , 2017 , 12, 907-913	28.7	555
27	Integration of Organic Electrochemical and Field-Effect Transistors for Ultraflexible, High Temporal Resolution Electrophysiology Arrays. <i>Advanced Materials</i> , 2016 , 28, 9722-9728	24	101
26	Ultraflexible organic amplifier with biocompatible gel electrodes. <i>Nature Communications</i> , 2016 , 7, 114257.4	57.4	139
25	Ultraflexible, large-area, physiological temperature sensors for multipoint measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14533-8	11.5	247
24	Applications of Biomagnetic Stimulation for Medical Treatments and for Brain Research 2015 , 61-88		1
23	1 mm-thickness ultra-flexible and high electrode-density surface electromyogram measurement sheet with 2 V organic transistors for prosthetic hand control. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2014 , 8, 824-33	5.1	47
22	Biological effects of electromagnetic fields and recently updated safety guidelines for strong static magnetic fields. <i>Magnetic Resonance in Medical Sciences</i> , 2011 , 10, 1-10	2.9	50
21	Subvoxel limits of magnetic resonance angiography: One-dimensional case. <i>Journal of Applied Physics</i> , 2010 , 107, 09B326	2.5	

20	Prospect of High-Field MRI. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 115-122	1.8	35
19	Enhanced in vivo Magnetic Resonance Imaging of Tumors by PEGylated Iron-Oxide-Gold Core-Shell Nanoparticles with Prolonged Blood Circulation Properties. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1521-8	4.8	75
18	Enhanced magnetic resonance imaging of experimental pancreatic tumor in vivo by block copolymer-coated magnetite nanoparticles with TGF-beta inhibitor. <i>Journal of Controlled Release</i> , 2009 , 140, 306-11	11.7	56
17	Correction to "Magnetic Resonance Imaging of Electrical Conductivity in the Human Brain" [Oct 05 4203-4205]. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3031-3031	2	
16	Toward Detection of Transient Changes in Magnetic-Resonance Signal Intensity Arising From Neuronal Electrical Activities. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4841-4844	2	3
15	Low-frequency conductivity tensor of rat brain tissues inferred from diffusion MRI. <i>Bioelectromagnetics</i> , 2009 , 30, 489-99	1.6	17
14	Imaging of Electric Permittivity and Conductivity Using Magnetic Resonance Imaging. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4460-4463	2	2
13	NEW HORIZON IN BIOIMAGING AND BIOMAGNETICS. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2008 , 1, 300-314	0.4	2
12	Iron hydroxide nanoparticles coated with poly(ethylene glycol)-poly(aspartic acid) block copolymer as novel magnetic resonance contrast agents for in vivo cancer imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007 , 56, 174-81	6	80
11	Evaluation of diffusional anisotropy and microscopic structure in skeletal muscles using magnetic resonance. <i>Magnetic Resonance Imaging</i> , 2006 , 24, 19-25	3.3	53
10	Effects of pulsed magnetic stimulation on tumor development and immune functions in mice. <i>Bioelectromagnetics</i> , 2006 , 27, 64-72	1.6	47
9	Brain dynamics and biomagnetism. <i>International Congress Series</i> , 2006 , 1291, 14-21		
8	Biomagnetism and bioimaging for medical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, 122-127	2.8	10
7	Estimation of membrane permeability and intracellular diffusion coefficients. <i>Magnetic Resonance in Medical Sciences</i> , 2006 , 5, 1-6	2.9	5
6	8-T static magnetic field changes the nerve excitation of slow conduction component of the rat sciatic nerve. <i>Pain Research</i> , 2006 , 21, 10-16	0	
5	A method for an accurate T1 relaxation-time measurement compensating B1 field inhomogeneity in magnetic-resonance imaging. <i>Journal of Applied Physics</i> , 2005 , 97, 10E107	2.5	3
4	Transcranial magnetic stimulation and magnetic resonance imaging of currents and conductivity tomography of the brain. <i>International Congress Series</i> , 2004 , 1270, 9-14		1
3	Conductivity tensor imaging of the brain using diffusion-weighted magnetic resonance imaging. <i>Journal of Applied Physics</i> , 2003 , 93, 6730-6732	2.5	37

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| 2 | Multicomponent proton spin-spin relaxation of fibrin gels with magnetically oriented and randomly oriented fibrin fiber structures. <i>Journal of Applied Physics</i> , 2003 , 93, 6736-6738 | 2.5 | 3 |
| 1 | Asymmetries of prefrontal cortex in human episodic memory: effects of transcranial magnetic stimulation on learning abstract patterns. <i>Neuroscience Letters</i> , 2002 , 320, 5-8 | 3.3 | 59 |