Hirobumi Watanabe

List of Publications by Year
in descending order

9	215	1163117 8	1474206 9
papers	citations	h-index	g-index

9	9	9	251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-vitro perforation of the round window membrane via direct 3-D printed microneedles. Biomedical Microdevices, 2018, 20, 47.	2.8	51
2	Microperforations Significantly Enhance Diffusion Across Round Window Membrane. Otology and Neurotology, 2015, 36, 694-700.	1.3	40
3	Intravascular neural interface with nanowire electrode. Electronics and Communications in Japan, 2009, 92, 29-37.	0.5	32
4	A dual wedge microneedle for sampling of perilymph solution via round window membrane. Biomedical Microdevices, 2016, 18, 24.	2.8	20
5	Serrated needle design facilitates precise round window membrane perforation. Journal of Biomedical Materials Research - Part A, 2016, 104, 1633-1637.	4.0	19
6	Microanatomic Analysis of the Round Window Membrane by White Light Interferometry and Microcomputed Tomography for Mechanical Amplification. Otology and Neurotology, 2014, 35, 672-678.	1.3	17
7	Silver/silver chloride microneedles can detect penetration through the round window membrane. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 307-311.	3.4	17
8	Human cochlear hydrodynamics: A high-resolution Î¼CT-based finite element study. Journal of Biomechanics, 2017, 50, 209-216.	2.1	17
9	In Situ NANO-Indentation of Round Window Membrane. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 17-29.	0.5	2