

# Hirobumi Watanabe

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3372369/publications.pdf>

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9  
papers

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1163117  
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docs citations

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times ranked

251  
citing authors

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