

# Kohei Okita

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

149  
citations

1307594

7  
h-index

1199594

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Focus Control Aided by Numerical Simulation in Heterogeneous Media for High-Intensity Focused Ultrasound Treatment. Japanese Journal of Applied Physics, 2013, 52, 07HF01.	1.5	34
2	Microbubble behavior in an ultrasound field for high intensity focused ultrasound therapy enhancement. Journal of the Acoustical Society of America, 2013, 134, 1576-1585.	1.1	28
3	Development of high intensity focused ultrasound simulator for large-scale computing. International Journal for Numerical Methods in Fluids, 2011, 65, 43-66.	1.6	26
4	The role of numerical simulation for the development of an advanced HIFU system. Computational Mechanics, 2014, 54, 1023-1033.	4.0	14
5	Numerical simulation of the tissue ablation in high-intensity focused ultrasound therapy with array transducer. International Journal for Numerical Methods in Fluids, 2010, 64, 1395-1411.	1.6	11
6	Focus Control in HIFU Therapy Assisted by Time-Reversal Simulation with an Iterative Procedure for Hot Spot Elimination. Journal of Biomechanical Science and Engineering, 2012, 7, 43-56.	0.3	10
7	Effects of breast structure on high-intensity focused ultrasound focal error. Journal of Therapeutic Ultrasound, 2018, 6, 4.	2.2	7
8	Numerical study on the effective heating due to inertial cavitation in microbubble-enhanced HIFU therapy. AIP Conference Proceedings, 2015, , .	0.4	6
9	Numerical study on sector-vortex phased irradiation method using annular array transducer in High-Intensity Focused Ultrasound treatment. Ultrasonics, 2021, 115, 106464.	3.9	4
10	Numerical study on stress in a solid wall caused by the collapse of a cavitation bubble cloud in hydraulic fluid. International Journal of Multiphase Flow, 2022, 150, 103965.	3.4	4
11	Numerical Study of the Effective Combination of Microbubbles and Ultrasound in HIFU Therapy. , 2011, , .		3
12	A Priori Modeling of the Acoustic Boundary Layer Effect on the Heat Source in Ultrasound. Journal of Biomechanical Science and Engineering, 2012, 7, 84-101.	0.3	1
13	Numerical study on growth and collapse of cloud cavitation in a focused ultrasound field. Proceedings of Meetings on Acoustics, 2018, , .	0.3	1
14	Numerical Simulation of High Intensity Focused Ultrasound Therapy with Volume Model of Human Body. , 2010, , .		0
15	Numerical Accuracy of Fluid Solver Using Signed Distance Function for Shape Representation (Difference and Interpolation Methods near Interfaces Based on Distance and Normal). 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2011, 77, 1813-1825.	0.2	0
16	Optimization of HIFU treatment on the basis of temperature distributions measured by a thin-film thermocouple array. , 2012, , .		0
17	Multiscale Simulations for Fluid Structure Interaction Problems with Biomedical Applications. Lecture Notes in Mechanical Engineering, 2019, , 207-215.	0.4	0