

# Joshua Brake

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4843772/publications.pdf>

Version: 2024-02-01

13  
papers

635  
citations

1163117

8  
h-index

1281871

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavefront shaping with disorder-engineered metasurfaces. Nature Photonics, 2018, 12, 84-90.	31.4	205
2	Focusing through dynamic tissue with millisecond digital optical phase conjugation. Optica, 2015, 2, 728.	9.3	186
3	Deep tissue optical focusing and optogenetic modulation with time-reversed ultrasonically encoded light. Science Advances, 2017, 3, eaao5520.	10.3	60
4	In vivo study of optical speckle decorrelation time across depths in the mouse brain. Biomedical Optics Express, 2017, 8, 4855.	2.9	52
5	Focusing light inside scattering media with magnetic-particle-guided wavefront shaping. Optica, 2017, 4, 1337.	9.3	40
6	Interferometric speckle visibility spectroscopy (ISVS) for human cerebral blood flow monitoring. APL Photonics, 2020, 5, .	5.7	28
7	Analyzing the relationship between decorrelation time and tissue thickness in acute rat brain slices using multispeckle diffusing wave spectroscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 270.	1.5	27
8	Neurophotonic Tools for Microscopic Measurements and Manipulation: Status Report. Neurophotonics, 2022, 9, 013001.	3.3	17
9	Investigating ultrasoundâ€™light interaction in scattering media. Journal of Biomedical Optics, 2020, 25, 1.	2.6	9
10	Glare suppression by coherence gated negation. Optica, 2016, 3, 1107.	9.3	8
11	A Board and Projects for an FPGA/Microcontroller-Based Embedded Systems Lab. , 2020, , .		1
12	Optogenetic Control of Neural Activity with Time-Reversed Ultrasound Encoded Light. , 2017, , .		1
13	Time-reversed ultrasonically encoded (TRUE) focusing for deep-tissue optogenetic modulation. , 2018, , .		0