

# Haowen Ruan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4749731/publications.pdf>

Version: 2024-02-01

23  
papers

1,529  
citations

516710

16  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical information transmission through complex scattering media with optical-channel-based intensity streaming. <i>Nature Communications</i> , 2021, 12, 2411.	12.8	20
2	Fluorescence imaging through dynamic scattering media with speckle-encoded ultrasound-modulated light correlation. <i>Nature Photonics</i> , 2020, 14, 511-516.	31.4	38
3	Imaging through highly scattering human skulls with ultrasound-modulated optical tomography. <i>Optics Letters</i> , 2020, 45, 2973.	3.3	11
4	Wavefront shaping with disorder-engineered metasurfaces. <i>Nature Photonics</i> , 2018, 12, 84-90.	31.4	205
5	Ultrasound modulated laser confocal feedback imaging inside turbid media. <i>Optics Letters</i> , 2018, 43, 1207.	3.3	21
6	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	10
7	Time-reversed ultrasonically encoded (TRUE) focusing for deep-tissue optogenetic modulation. , 2018, , .		0
8	Deep tissue optical focusing and optogenetic modulation with time-reversed ultrasonically encoded light. <i>Science Advances</i> , 2017, 3, eaao5520.	10.3	60
9	Focusing light inside scattering media with magnetic-particle-guided wavefront shaping. <i>Optica</i> , 2017, 4, 1337.	9.3	40
10	In vivo study of optical speckle decorrelation time across depths in the mouse brain. <i>Biomedical Optics Express</i> , 2017, 8, 4855.	2.9	52
11	Focusing light through scattering media by transmission matrix inversion. <i>Optics Express</i> , 2017, 25, 27234.	3.4	51
12	Glare suppression by coherence gated negation. <i>Optica</i> , 2016, 3, 1107.	9.3	8
13	Optical focusing inside scattering media with time-reversed ultrasound microbubble encoded light. <i>Nature Communications</i> , 2015, 6, 8968.	12.8	50
14	Relation between speckle decorrelation and optical phase conjugation (OPC)-based turbidity suppression through dynamic scattering media: a study on in vivo mouse skin. <i>Biomedical Optics Express</i> , 2015, 6, 72.	2.9	69
15	Focusing through dynamic tissue with millisecond digital optical phase conjugation. <i>Optica</i> , 2015, 2, 728.	9.3	186
16	Guidestar-assisted wavefront-shaping methods for focusing light into biological tissue. <i>Nature Photonics</i> , 2015, 9, 563-571.	31.4	451
17	Ultrasound modulated optical tomography contrast enhancement with non-linear oscillation of microbubbles. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 9-16.	2.0	6
18	Method for auto-alignment of digital optical phase conjugation systems based on digital propagation. <i>Optics Express</i> , 2014, 22, 14054.	3.4	53

#	ARTICLE	IF	CITATIONS
19	Focusing on moving targets through scattering samples. <i>Optica</i> , 2014, 1, 227.	9.3	122
20	Model for estimating the penetration depth limit of the time-reversed ultrasonically encoded optical focusing technique. <i>Optics Express</i> , 2014, 22, 5787.	3.4	19
21	Iterative Time-Reversed Ultrasonically Encoded Light Focusing in Backscattering Mode. <i>Scientific Reports</i> , 2014, 4, 7156.	3.3	34
22	Pulsed ultrasound modulated optical tomography with harmonic lock-in holography detection. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 1409.	1.5	11
23	Pulse inversion ultrasound modulated optical tomography. <i>Optics Letters</i> , 2012, 37, 1658.	3.3	11