Haowen Ruan

List of Publications by Year
in descending order

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

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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	Guidestar-assisted wavefront-shaping methods for focusing light into biological tissue. Nature Photonics, 2015, 9, 563-571.	31.4	451
2	Wavefront shaping with disorder-engineered metasurfaces. Nature Photonics, 2018, 12, 84-90.	31.4	205
3	Focusing through dynamic tissue with millisecond digital optical phase conjugation. Optica, 2015, 2, 728.	9.3	186
4	Focusing on moving targets through scattering samples. Optica, 2014, 1, 227.	9.3	122
5	Relation between speckle decorrelation and optical phase conjugation (OPC)-based turbidity suppression through dynamic scattering media: a study on in vivo mouse skin. Biomedical Optics Express, 2015, 6, 72.	2.9	69
6	Deep tissue optical focusing and optogenetic modulation with time-reversed ultrasonically encoded light. Science Advances, 2017, 3, eaao5520.	10.3	60
7	Method for auto-alignment of digital optical phase conjugation systems based on digital propagation. Optics Express, 2014, 22, 14054.	3.4	53
8	In vivo study of optical speckle decorrelation time across depths in the mouse brain. Biomedical Optics Express, 2017, 8, 4855.	2.9	52
9	Focusing light through scattering media by transmission matrix inversion. Optics Express, 2017, 25, 27234.	3.4	51
10	Optical focusing inside scattering media with time-reversed ultrasound microbubble encoded light. Nature Communications, 2015, 6, 8968.	12.8	50
11	Focusing light inside scattering media with magnetic-particle-guided wavefront shaping. Optica, 2017, 4, 1337.	9.3	40
12	Fluorescence imaging through dynamic scattering media with speckle-encoded ultrasound-modulated light correlation. Nature Photonics, 2020, 14, 511-516.	31.4	38
13	Iterative Time-Reversed Ultrasonically Encoded Light Focusing in Backscattering Mode. Scientific Reports, 2014, 4, 7156.	3.3	34
14	Ultrasound modulated laser confocal feedback imaging inside turbid media. Optics Letters, 2018, 43, 1207.	3.3	21
15	Optical information transmission through complex scattering media with optical-channel-based intensity streaming. Nature Communications, 2021, 12, 2411.	12.8	20
16	Model for estimating the penetration depth limit of the time-reversed ultrasonically encoded optical focusing technique. Optics Express, 2014, 22, 5787.	3.4	19
17	Pulse inversion ultrasound modulated optical tomography. Optics Letters, 2012, 37, 1658.	3.3	11
18	Pulsed ultrasound modulated optical tomography with harmonic lock-in holography detection. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1409.	1.5	11

#	Article	IF	Citations
19	Imaging through highly scattering human skulls with ultrasound-modulated optical tomography. Optics Letters, 2020, 45, 2973.	3.3	11
20	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. Journal of Biomedical Optics, 2018, 23, 1.	2.6	10
21	Glare suppression by coherence gated negation. Optica, 2016, 3, 1107.	9.3	8
22	Ultrasound modulated optical tomography contrast enhancement with non-linear oscillation of microbubbles. Quantitative Imaging in Medicine and Surgery, 2015, 5, 9-16.	2.0	6
23	Time-reversed ultrasonically encoded (TRUE) focusing for deep-tissue optogenetic modulation. , 2018, , .		0