

Yanyu Zhao

List of Publications by Year in descending order

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16
papers

480
citations

840585

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996849

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16
docs citations

16
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultracompact Deep Neural Network for Ultrafast Optical Property Extraction in Spatial Frequency Domain Imaging (SFDI). <i>Photonics</i> , 2022, 9, 327.	0.9	2
2	Gradient-assisted focusing light through scattering media. <i>Optics Letters</i> , 2021, 46, 1518.	1.7	15
3	Anti-scattering light focusing by fast wavefront shaping based on multi-pixel encoded digital-micromirror device. <i>Light: Science and Applications</i> , 2021, 10, 149.	7.7	40
4	Direct mapping from diffuse reflectance to chromophore concentrations in multi-fx spatial frequency domain imaging (SFDI) with a deep residual network (DRN). <i>Biomedical Optics Express</i> , 2021, 12, 433.	1.5	18
5	Hyperspectral Spatial Frequency Domain Imaging for Label-free, Non-contact, and Wide-field Monitoring of Tissue Optical Properties and Chromophore Concentrations. , 2021, , .		0
6	Halftone spatial frequency domain imaging enables kilohertz high-speed label-free non-contact quantitative mapping of optical properties for strongly turbid media. <i>Light: Science and Applications</i> , 2021, 10, 245.	7.7	9
7	Shortwave-infrared meso-patterned imaging enables label-free mapping of tissue water and lipid content. <i>Nature Communications</i> , 2020, 11, 5355.	5.8	31
8	Probabilistic natural mapping of gene-level tests for genome-wide association studies. <i>Briefings in Bioinformatics</i> , 2018, 19, 545-553.	3.2	6
9	Quantitative real-time pulse oximetry with ultrafast frequency-domain diffuse optics and deep neural network processing. <i>Biomedical Optics Express</i> , 2018, 9, 5997.	1.5	21
10	Deep learning model for ultrafast multifrequency optical property extractions for spatial frequency domain imaging. <i>Optics Letters</i> , 2018, 43, 5669.	1.7	42
11	Coordinated regulation of acid resistance in <i>Escherichia coli</i> . <i>BMC Systems Biology</i> , 2017, 11, 1.	3.0	142
12	Feasibility of spatial frequency domain imaging (SFDI) for optically characterizing a preclinical oncology model. <i>Biomedical Optics Express</i> , 2016, 7, 4154.	1.5	47
13	Angle correction for small animal tumor imaging with spatial frequency domain imaging (SFDI). <i>Biomedical Optics Express</i> , 2016, 7, 2373.	1.5	41
14	Spatial mapping of fluorophore quantum yield in diffusive media. <i>Journal of Biomedical Optics</i> , 2015, 20, 86013.	1.4	8
15	Three-dimensional printed optical phantoms with customized absorption and scattering properties. <i>Biomedical Optics Express</i> , 2015, 6, 4212.	1.5	45
16	Differences Help Recognition: A Probabilistic Interpretation. <i>PLoS ONE</i> , 2013, 8, e63385.	1.1	13