Yanyu Zhao

List of Publications by Year
in descending order

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16 papers	480 citations	840585 11 h-index	996849 15 g-index
16 all docs	16 docs citations	16 times ranked	608 citing authors

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