

Kevin de Haan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,461
citations

516215

16
h-index

839053

18
g-index

21
all docs

21
docs citations

21
times ranked

1434
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic segmentation of peripheral arteries and veins in ferumoxytolá€enhanced MR angiography. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 984-998.	1.9	4
2	Phenotypic Analysis of Microalgae Populations Using Label-Free Imaging Flow Cytometry and Deep Learning. <i>ACS Photonics</i> , 2021, 8, 1232-1242.	3.2	21
3	Deep learning-based transformation of H&E stained tissues into special stains. <i>Nature Communications</i> , 2021, 12, 4884.	5.8	100
4	Biopsy-free in vivo virtual histology of skin using deep learning. <i>Light: Science and Applications</i> , 2021, 10, 233.	7.7	36
5	Deep-Learning-Based Image Reconstruction and Enhancement in Optical Microscopy. <i>Proceedings of the IEEE</i> , 2020, 108, 30-50.	16.4	90
6	Deep Learning-Based Holographic Polarization Microscopy. <i>ACS Photonics</i> , 2020, 7, 3023-3034.	3.2	41
7	Label-free detection of <i>Giardia lamblia</i> cysts using a deep learning-enabled portable imaging flow cytometer. <i>Lab on A Chip</i> , 2020, 20, 4404-4412.	3.1	17
8	Digital synthesis of histological stains using micro-structured and multiplexed virtual staining of label-free tissue. <i>Light: Science and Applications</i> , 2020, 9, 78.	7.7	79
9	Automated screening of sickle cells using a smartphone-based microscope and deep learning. <i>Npj Digital Medicine</i> , 2020, 3, 76.	5.7	57
10	Bead-based multiplex detection of dengue biomarkers in a portable imaging device. <i>Biomedical Optics Express</i> , 2020, 11, 6154.	1.5	8
11	Emerging Advances to Transform Histopathology Using Virtual Staining. <i>BME Frontiers</i> , 2020, 2020, .	2.2	52
12	Resolution enhancement in scanning electron microscopy using deep learning. <i>Scientific Reports</i> , 2019, 9, 12050.	1.6	78
13	Deep learningá€based color holographic microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201900107.	1.1	36
14	Early detection of <i>E. coli</i> and total coliform using an automated, colorimetric and fluorometric fiber optics-based device. <i>Lab on A Chip</i> , 2019, 19, 2925-2935.	3.1	22
15	Bright-field holography: cross-modality deep learning enables snapshot 3D imaging with bright-field contrast using a single hologram. <i>Light: Science and Applications</i> , 2019, 8, 25.	7.7	98
16	Virtual histological staining of unlabelled tissue-autofluorescence images via deep learning. <i>Nature Biomedical Engineering</i> , 2019, 3, 466-477.	11.6	397
17	Deep learning-based super-resolution in coherent imaging systems. <i>Scientific Reports</i> , 2019, 9, 3926.	1.6	82
18	PhaseStain: the digital staining of label-free quantitative phase microscopy images using deep learning. <i>Light: Science and Applications</i> , 2019, 8, 23.	7.7	241

#	ARTICLE	IF	CITATIONS
19	Holographic Reconstruction with Bright-field Microscopy Contrast using Cross-Modality Deep Learning. , 2019, , .		1
20	PhaseStain: Deep Learning-based Histological Staining of Quantitative Phase Images. , 2019, , .		1
21	Enhancing resolution in coherent microscopy using deep learning. , 2019, , .		0