

Mathias Schwarz

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

540
citations

1040056

9
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

570
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Precision assessment of label-free psoriasis biomarkers with ultra-broadband optoacoustic mesoscopy. <i>Nature Biomedical Engineering</i> , 2017, 1, . | 22.5 | 187 |
| 2 | Pushing the Optical Imaging Limits of Cancer with Multi-Frequency-Band Raster-Scan Optoacoustic Mesoscopy (RSOM). <i>Neoplasia</i> , 2015, 17, 208-214. | 5.3 | 107 |
| 3 | Implications of Ultrasound Frequency in Optoacoustic Mesoscopy of the Skin. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 672-677. | 8.9 | 73 |
| 4 | Optoacoustic Dermoscopy of the Human Skin: Tuning Excitation Energy for Optimal Detection Bandwidth With Fast and Deep Imaging <i>&lt;italic&gt;in vivo&lt;/italic&gt;</i> . <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1287-1296. | 8.9 | 47 |
| 5 | Motion correction in optoacoustic mesoscopy. <i>Scientific Reports</i> , 2017, 7, 10386. | 3.3 | 43 |
| 6 | Isotropic high resolution optoacoustic imaging with linear detector arrays in biâ€directional scanning. <i>Journal of Biophotonics</i> , 2015, 8, 60-70. | 2.3 | 34 |
| 7 | Raster-Scanning Optoacoustic Mesoscopy for Gastrointestinal Imaging at High Resolution. <i>Gastroenterology</i> , 2018, 154, 807-809.e3. | 1.3 | 20 |
| 8 | Motion Quantification and Automated Correction in Clinical RSOM. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1340-1346. | 8.9 | 16 |
| 9 | Fast raster-scan optoacoustic mesoscopy enables assessment of human melanoma microvasculature in vivo. <i>Nature Communications</i> , 2022, 13, 2803. | 12.8 | 13 |
| 10 | Imaging of post-embryonic stage model organisms at high resolution using multi-orientation optoacoustic mesoscopy. , 2017, , . | | 0 |