

# Guang Han

## List of Publications by Year in descending order

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17  
papers

93  
citations

1478505

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1474206

9  
g-index

17  
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docs citations

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74  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Noninvasive blood glucose sensing by near-infrared spectroscopy based on PLSR combines SAE deep neural network approach. <i>Infrared Physics and Technology</i> , 2021, 113, 103620.  | 2.9 | 19        |
| 2  | Optimization of Reconstruction Accuracy of Anomaly Position Based on Stacked Auto-Encoder Neural Networks. <i>IEEE Access</i> , 2019, 7, 116578-116584.   | 4.2 | 13        |
| 3  | Preliminary Clinical Validation of a Differential Correction Method for Improving Measurement Accuracy in Noninvasive Measurement of Blood Glucose Using Near-Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2017, 71, 2177-2186. | 2.2 | 10        |
| 4  | Estimation of glucose absorption spectrum at its optimum pathlength for every wavelength over a wide range. <i>Spectroscopy Letters</i> , 2016, 49, 588-595.  | 1.0 | 9         |
| 5  | Floating reference position-based correction method for near-infrared spectroscopy in long-term glucose concentration monitoring. <i>Journal of Biomedical Optics</i> , 2017, 22, 077001.   | 2.6 | 7         |
| 6  | Detection of glucose concentration in a turbid medium using a stacked auto-encoder deep neural network. <i>Infrared Physics and Technology</i> , 2020, 105, 103198.   | 2.9 | 7         |
| 7  | Continuous monitoring method of cerebral subdural hematoma based on MRI guided DOT. <i>Biomedical Optics Express</i> , 2020, 11, 2964.  | 2.9 | 6         |
| 8  | Depression of auditory cortex excitability by transcranial alternating current stimulation. <i>Neuroscience Letters</i> , 2021, 742, 135559.  | 2.1 | 5         |
| 9  | Optical parameters detection with multi-frequency modulation based on NIR DPDW. <i>Infrared Physics and Technology</i> , 2019, 97, 135-141.   | 2.9 | 4         |
| 10 | A convolutional neural network algorithm for breast tumor detection with magnetic detection electrical impedance tomography. <i>Review of Scientific Instruments</i> , 2021, 92, 064701.  | 1.3 | 4         |
| 11 | Optimization of source-detector separation for non-invasive regional cerebral blood flow sensing. <i>Infrared Physics and Technology</i> , 2021, 117, 103843.   | 2.9 | 4         |
| 12 | Enhancement of signal-to-noise ratio for fluorescence endoscope image based on fast digital lock-in algorithm. <i>Royal Society Open Science</i> , 2021, 8, 200779.   | 2.4 | 3         |
| 13 | Optimum source-detector separators for diffuse light in noninvasive tissue constituent sensing. , 2016, , .   |     | 1         |
| 14 | Method for improving the accuracy of fluorescence molecular tomography based on multi-wavelength concurrent reconstruction. <i>Review of Scientific Instruments</i> , 2022, 93, 044102.   | 1.3 | 1         |
| 15 | Determination of the reference position in the near-infrared non-invasive blood glucose measurement in vivo. , 2016, , .  |     | 0         |
| 16 | Study on the cross-polarization method for extracting internal information of objects. <i>Optik</i> , 2019, 180, 433-441.   | 2.9 | 0         |
| 17 | Study on polarization distribution characteristics of polarized light in scattering media. , 2019, , .  |     | 0         |