

# Gang Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127  
papers

950  
citations

16  
h-index

22  
g-index

129  
ext. papers

1,157  
ext. citations

3  
avg, IF

4.53  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 127 | Analysis of serum total bilirubin content based on dual-position joint spectrum of "M plus N" theory and the logarithmic method.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 414, 2397  | 4.4 | 0         |
| 126 | Towards robust reduction of nonlinear errors in dynamic spectrum spectroscopy for effective noninvasive optical detection of blood components. <i>Infrared Physics and Technology</i> , <b>2022</b> , 121, 104049  | 2.7 | 0         |
| 125 | Noninvasive detection and analysis of human globulin based on dynamic spectrum.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1191, 339298  | 6.6 | 0         |
| 124 | Dual-mode spectrum of transmission and fluorescence using single ultraviolet LED light source and their application in analyzing total bilirubin in serum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 264, 120305    | 4.4 | 2         |
| 123 | Improve the precision of platelet spectrum quantitative analysis based on "M+N" theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 264, 120291   | 4.4 | 4         |
| 122 | Noninvasive blood glucose detection system based on dynamic spectrum and "M+N" theory.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1201, 339635   | 6.6 | 0         |
| 121 | A combined multi-pathlength and wavelength optimization method for accurate detection of platelet count. <i>Infrared Physics and Technology</i> , <b>2022</b> , 104174   | 2.7 |           |
| 120 | Method of carrier frequency arrangement for suppressing the adjacent channel interference caused by camera nonlinearity during LED-multispectral imaging.. <i>Applied Optics</i> , <b>2022</b> , 61, 3240-3246   | 1.7 |           |
| 119 | A two-dimensional sample screening method based on data quality and variable correlation.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1203, 339700  | 6.6 | 0         |
| 118 | A feasibility study on improving the non-invasive detection accuracy of bottled Shuanghuanglian oral liquid using near infrared spectroscopy.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 274, 121120                | 4.4 | 0         |
| 117 | Application of multi-wavelength dual-position absorption spectrum to improve the accuracy of leukocyte spectral quantitative analysis based on "M+N" theory.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 276, 121199 | 4.4 | 0         |
| 116 | Heterogeneity classification based on hyperspectral transmission imaging and multivariate data analysis. <i>Infrared Physics and Technology</i> , <b>2022</b> , 104180   | 2.7 | 0         |
| 115 | "Two-dimensional Terraced Compression method" and its application in contour detection of transmission image.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 278, 121307  | 4.4 |           |
| 114 | Quantitative analysis of urea in serum by synchronous modulation and demodulation fluorescence spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 120645   | 4.4 | 1         |
| 113 | A Single-Channel Amplifier for Simultaneously Monitoring Impedance Respiration Signal and ECG Signal. <i>Circuits, Systems, and Signal Processing</i> , <b>2021</b> , 40, 559-571  | 2.2 | 2         |
| 112 | The effect of spectral photoplethysmography amplification and its application in dynamic spectrum for effective noninvasive detection of blood components. <i>Optics and Laser Technology</i> , <b>2021</b> , 133, 106515  | 4.2 | 3         |
| 111 | Employment of image oversampling and downsampling techniques for improving grayscale resolution. <i>Optical and Quantum Electronics</i> , <b>2021</b> , 53, 1  | 2.4 | 0         |

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| 110 | Higher precision integer operations instead of floating-point operations in computers or microprocessors. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 025104   | 1.7 |    |
| 109 | Cuff-less continuous blood pressure measurement based on multiple types of information fusion. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 68, 102549  | 4.9 | 2  |
| 108 | New strategy of sample set division in spectroscopy analysis. <i>Infrared Physics and Technology</i> , <b>2021</b> , 117, 103824   | 2.7 | 1  |
| 107 | A novel method for selecting the set optimal wavelength combination in multi-spectral transmission image. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 261, 120080                               | 4.4 | 1  |
| 106 | Detection of heterogeneity on multi-spectral transmission image based on multiple types of pseudo-color maps. <i>Infrared Physics and Technology</i> , <b>2020</b> , 106, 103285   | 2.7 | 3  |
| 105 | Recognition of Heterogeneous Edges in Multiwavelength Transmission Images Based on the Weighted Constraint Decision Method. <i>Applied Spectroscopy</i> , <b>2020</b> , 74, 883-893  | 3.1 | 2  |
| 104 | Systematic Proportional Method for Improving the Measurement Accuracy of Passive Sensor Measurement System. <i>IEEE Access</i> , <b>2020</b> , 8, 3980-3986  | 3.5 | 1  |
| 103 | Fast demodulation algorithm for multi-wavelength LED frequency-division modulation transmission hyperspectral imaging. <i>Optik</i> , <b>2020</b> , 202, 163110  | 2.5 | 3  |
| 102 | Improving the analysis accuracy of components in blood by SSP-MCSD and multi-mode spectral data fusion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 228, 117778                                 | 4.4 | 6  |
| 101 | An Optimizing Dynamic Spectrum Differential Extraction Method for Noninvasive Blood Component Analysis. <i>Applied Spectroscopy</i> , <b>2020</b> , 74, 23-33  | 3.1 | 6  |
| 100 | A review on M + N theory and its strategies to improve the accuracy of spectrochemical composition analysis of complex liquids. <i>Applied Spectroscopy Reviews</i> , <b>2020</b> , 55, 87-104   | 4.5 | 23 |
| 99  | A review on the strategies for reducing the non-linearity caused by scattering on spectrochemical quantitative analysis of complex solutions. <i>Applied Spectroscopy Reviews</i> , <b>2020</b> , 55, 351-377                                    | 4.5 | 14 |
| 98  | Repair of osteonecrosis of the femoral head : 3D printed Cervi cornus Colla deproteinized bone scaffolds. <i>Der Orthopade</i> , <b>2019</b> , 48, 213-223   | 1.9 | 2  |
| 97  | Non-destructive analysis for the in-flexible-containers liquid composition based on WIFE-NPLS method. <i>Infrared Physics and Technology</i> , <b>2019</b> , 99, 277-283   | 2.7 | 3  |
| 96  | Improving the quantitative analysis accuracy of bagged liquid components with strong scattering by multi-pathlength data fusion. <i>Infrared Physics and Technology</i> , <b>2019</b> , 99, 39-44  | 2.7 | 6  |
| 95  | A Dynamic Spectrum extraction method for extracting blood scattering information - Dual-position extraction method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 221, 116965                     | 4.4 | 5  |
| 94  | Improving the nondestructive analysis accuracy of liquids in a flexible container based on the multi-pathlength spectrum method. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 056101  | 1.7 | 1  |
| 93  | Determine the significant digit of spectral data and reduce its redundant digits to eliminate the chance correlation problem based on the Balami slicing method. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2019</b> , 187, 1-5 | 3.8 | 1  |

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| 92 | Transmission versus reflection spectroscopy for discrimination of human and nonhuman blood. <i>Infrared Physics and Technology</i> , <b>2019</b> , 99, 1-4   | 2.7 | 3  |
| 91 | Reduction of the influence of film thickness on diffuse reflectance spectroscopy measurement of the tongue. <i>Review of Scientific Instruments</i> , <b>2019</b> , 90, 013109   | 1.7 |    |
| 90 | Improving heterogeneous classification accuracy based on the MDFAT and the combination feature information of multi-spectral transmission images. <i>Infrared Physics and Technology</i> , <b>2019</b> , 102, 102992                     | 2.7 | 3  |
| 89 | Classification of Heterogeneity on Multi-Spectral Transmission Image Based on Modulation-Demodulation-Frame Accumulation and Pattern Recognition. <i>IEEE Access</i> , <b>2019</b> , 7, 97732-97744                                      | 2.5 | 4  |
| 88 | Dual-Mean Extraction Method of Dynamic Spectrum for Suppressing Random Noise and Coarse Error. <i>IEEE Access</i> , <b>2019</b> , 7, 168681-168687   | 3.5 | 5  |
| 87 | A Fusion Method in Frequency Domain for Multi-Wavelength Transmission Image. <i>IEEE Access</i> , <b>2019</b> , 7, 168371-168381   | 3.5 | 2  |
| 86 | Improving the Model Migration Ability by a Hyperspectral Method With a High Spatial Resolution. <i>IEEE Access</i> , <b>2019</b> , 7, 171260-171271  | 3.5 |    |
| 85 | Image Enhancement via Indented Frame Over Fusion. <i>IEEE Access</i> , <b>2019</b> , 7, 181092-181099  | 3.5 | 1  |
| 84 | Heterogeneity Detection Method for Transmission Multispectral Imaging Based on Contour and Spectral Features. <i>Sensors</i> , <b>2019</b> , 19,   | 3.8 | 6  |
| 83 | Dynamic Spectrum for noninvasive blood component analysis and its advances. <i>Applied Spectroscopy Reviews</i> , <b>2019</b> , 54, 736-757  | 4.5 | 13 |
| 82 | Dynamic spectrum nonlinear modeling of VIS & NIR band based on RBF neural network for noninvasive blood component analysis to consider the effects of scattering. <i>Infrared Physics and Technology</i> , <b>2019</b> , 96, 77-83       | 2.7 | 9  |
| 81 | Optimized lighting method of applying shaped-function signal for increasing the dynamic range of LED-multispectral imaging system. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 025104                                    | 1.7 | 8  |
| 80 | Improving the spectral measurement accuracy based on temperature distribution and spectra-temperature relationship. <i>Infrared Physics and Technology</i> , <b>2018</b> , 90, 87-94   | 2.7 | 4  |
| 79 | Nondestructive Measurement of Hemoglobin in Blood Bags Based on Multi-Pathlength VIS-NIR Spectroscopy. <i>Scientific Reports</i> , <b>2018</b> , 8, 2204   | 4.9 | 13 |
| 78 | Image quality assessment metric for frame accumulated image. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 013703  | 1.7 | 3  |
| 77 | Modification method to reduce the impact of blood vessel on noncontact discrimination of human blood based on M+N theory. <i>Infrared Physics and Technology</i> , <b>2018</b> , 88, 119-122   | 2.7 | 1  |
| 76 | Non-linearity correction in NIR absorption spectra by grouping modeling according to the content of analyte. <i>Scientific Reports</i> , <b>2018</b> , 8, 8564   | 4.9 | 6  |
| 75 | Combined effects of PPG preprocess and dynamic spectrum extraction on predictive performance of non-invasive detection of blood components based on dynamic spectrum. <i>Infrared Physics and Technology</i> , <b>2018</b> , 92, 436-442 | 2.7 | 5  |

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| 74 | Blood hyperviscosity identification with reflective spectroscopy of tongue tip based on principal component analysis combining artificial neural network. <i>BioMedical Engineering OnLine</i> , <b>2018</b> , 17, 60                                   | 4.1 | 0  |
| 73 | Use of bi-level pulsed frequency-division excitation for improving blood oxygen saturation precision. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2018</b> , 129, 523-529   | 4.6 | 7  |
| 72 | A method to eliminate the influence of incident light variations in spectral analysis. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 063103   | 1.7 | 3  |
| 71 | Principal frequency component analysis based on modulate chopper technique used in diffuse reflectance spectroscopy measurement. <i>Applied Optics</i> , <b>2018</b> , 57, 1043-1049  | 1.7 | 5  |
| 70 | Identification of blood species based on diffuse reflectance and transmission joint spectra with machine learning method. <i>Infrared Physics and Technology</i> , <b>2018</b> , 88, 200-205  | 2.7 | 6  |
| 69 | Wavelength selection for portable noninvasive blood component measurement system based on spectral difference coefficient and dynamic spectrum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 193, 40-46 | 4.4 | 16 |
| 68 | M+N theory and UV-Vis-NIR transmission spectroscopy used in quantitative analysis of total bilirubin. <i>Infrared Physics and Technology</i> , <b>2018</b> , 94, 65-68  | 2.7 | 9  |
| 67 | Employment of the appropriate range of sawtooth-shaped-function illumination intensity to improve the image quality. <i>Optik</i> , <b>2018</b> , 175, 189-196  | 2.5 | 6  |
| 66 | Noncontact discrimination of animal and human blood with vacuum blood vessel and factors affect the discrimination. <i>Infrared Physics and Technology</i> , <b>2017</b> , 81, 210-214  | 2.7 | 11 |
| 65 | The relationship between the perfusion index and precision of noninvasive blood component measurement based on dynamic spectroscopy. <i>Analytical Methods</i> , <b>2017</b> , 9, 2578-2584   | 3.2 | 8  |
| 64 | New method of extracting information of arterial oxygen saturation based on P. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 043107   | 1.7 | 3  |
| 63 | Noninvasive hemoglobin measurement based on optimizing Dynamic Spectrum method. <i>Spectroscopy Letters</i> , <b>2017</b> , 50, 164-170   | 1.1 | 11 |
| 62 | Suppression of inter-device variation for component analysis of turbid liquids based on spatially resolved diffuse reflectance spectroscopy. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 033104   | 1.7 | 5  |
| 61 | Dynamic spectrum extraction method based on independent component analysis combined dual-tree complex wavelet transform. <i>RSC Advances</i> , <b>2017</b> , 7, 11198-11205   | 3.7 | 11 |
| 60 | Effects of 15 Hz square wave magnetic fields on the voltage-gated sodium and potassium channels in prefrontal cortex pyramidal neurons. <i>International Journal of Radiation Biology</i> , <b>2017</b> , 93, 449-455                                   | 2.9 | 6  |
| 59 | The influence of different integration time on stoichiometric analysis in near infrared grating spectrometers. <i>Infrared Physics and Technology</i> , <b>2017</b> , 86, 130-134   | 2.7 | 7  |
| 58 | Noninvasive hemoglobin measurement using dynamic spectrum. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 083109   | 1.7 | 20 |
| 57 | An efficient optimization method to improve the measuring accuracy of oxygen saturation by using triangular wave optical signal. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 093103   | 1.7 | 3  |

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| 56 | Synchronous acquisition of multi-channel signals by single-channel ADC based on square wave modulation. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 085108                               | 1.7 | 4  |
| 55 | Reduction of package-induced error for the composition analysis of in-package liquid products based on transmission spectrum. <i>RSC Advances</i> , <b>2017</b> , 7, 26729-26734                         | 3.7 | 7  |
| 54 | Effect on measurement accuracy of transillumination using sawtooth-shaped-function optical signal. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 115106                                    | 1.7 | 12 |
| 53 | Study on the effect of spectral difference coefficient on the precision of quantitative spectral analysis. <i>Analytical Methods</i> , <b>2016</b> , 8, 4648-4658  | 3.2 | 17 |
| 52 | Multi-pathlength method to improve the spectrometric analysis accuracy based on $M + N$ theory. <i>RSC Advances</i> , <b>2016</b> , 6, 38849-38854   | 3.7 | 27 |
| 51 | Detection of free hemoglobin in blood products using transmission spectra and fluorescence spectra for quality assurance. <i>Analytical Methods</i> , <b>2016</b> , 8, 4239-4244                         | 3.2 | 15 |
| 50 | Optimum method of image acquisition using sawtooth-shaped-function optical signal to improve grey-scale resolution. <i>Journal of Modern Optics</i> , <b>2016</b> , 63, 1539-1543                        | 1.1 | 13 |
| 49 | Optimal wavelength selection for visible diffuse reflectance spectroscopy discriminating human and nonhuman blood species. <i>Analytical Methods</i> , <b>2016</b> , 8, 381-385                          | 3.2 | 12 |
| 48 | Norcantharidin combined with ABT-737 for hepatocellular carcinoma: Therapeutic effects and molecular mechanisms. <i>World Journal of Gastroenterology</i> , <b>2016</b> , 22, 3962-8                     | 5.6 | 9  |
| 47 | Employment of sawtooth-shaped-function excitation signal and oversampling for improving resistance measurement accuracy. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 105104              | 1.7 | 5  |
| 46 | An improved device for bioimpedance deviation measurements based on 4-electrode half bridge. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 105107  | 1.7 | 4  |
| 45 | Pulse wave detection method based on the bio-impedance of the wrist. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 055001  | 1.7 | 8  |
| 44 | Optimization of a digital lock-in algorithm with a square-wave reference for frequency-divided multi-channel sensor signal detection. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 085102 | 1.7 | 5  |
| 43 | Calibration set selection method based on the $M + N$ theory: application to non-invasive measurement by dynamic spectrum. <i>RSC Advances</i> , <b>2016</b> , 6, 113322-113326                          | 3.7 | 26 |
| 42 | Quantitative determination based on the differences between spectra-temperature relationships. <i>Talanta</i> , <b>2016</b> , 155, 47-52   | 6.2 | 20 |
| 41 | Blood species identification using Near-Infrared diffuse transmitted spectra and PLS-DA method. <i>Infrared Physics and Technology</i> , <b>2016</b> , 76, 587-591                                       | 2.7 | 22 |
| 40 | Optimizing Monte Carlo simulation for detecting the internal information in a fat muscle media. <i>Optical and Quantum Electronics</i> , <b>2016</b> , 48, 1   | 2.4 | 1  |
| 39 | Determination of photon quantity in Monte Carlo simulation. <i>Optical and Quantum Electronics</i> , <b>2016</b> , 48, 1   | 2.4 | 1  |

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| 38 | The nonlinear variation regularization algorithm for the magnetic resonance electrical impedance tomography. <i>International Journal of Imaging Systems and Technology</i> , <b>2015</b> , 25, 68-76                                   | 2.5 | 1  |
| 37 | Spectral data quality assessment based on variability analysis: application to noninvasive hemoglobin measurement by dynamic spectrum. <i>Analytical Methods</i> , <b>2015</b> , 7, 5565-5573   | 3.2 | 17 |
| 36 | Coding method for the study of the intrinsic mechanism of spectral analysis. <i>Analytical Methods</i> , <b>2015</b> , 7, 3988-3992   | 3.2 |    |
| 35 | Monte Carlo simulation of photon migration in multi-component media. <i>Optical and Quantum Electronics</i> , <b>2015</b> , 47, 1919-1931   | 2.4 | 1  |
| 34 | Evaluation of measurement and stimulation patterns in open electrical impedance tomography with scanning electrode. <i>Medical and Biological Engineering and Computing</i> , <b>2015</b> , 53, 589-97                                  | 3.1 | 4  |
| 33 | Improved method on image detection at low light level using a sinusoidal-shaped-function signal. <i>Journal of Modern Optics</i> , <b>2015</b> , 62, 1527-1534  | 1.1 |    |
| 32 | Calibration of diffuse correlation spectroscopy blood flow index with venous-occlusion diffuse optical spectroscopy in skeletal muscle. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 125005                                  | 3.5 | 15 |
| 31 | Double-sampling to improve signal-to-noise ratio (SNR) of dynamic spectrum (DS) in full spectral range. <i>Optical and Quantum Electronics</i> , <b>2014</b> , 46, 691-698  | 2.4 | 16 |
| 30 | Discrimination of human and nonhuman blood using visible diffuse reflectance spectroscopy. <i>Analytical Methods</i> , <b>2014</b> , 6, 9419-9423   | 3.2 | 20 |
| 29 | Optimization of measurement arrangements for magnetic detection electrical impedance tomography. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 444-52  | 5   | 7  |
| 28 | Wavelength selection method based on test analysis of variance: application to oximetry. <i>Analytical Methods</i> , <b>2014</b> , 6, 1082-1089   | 3.2 | 8  |
| 27 | Classification of diabetes and measurement of blood glucose concentration noninvasively using near infrared spectroscopy. <i>Infrared Physics and Technology</i> , <b>2014</b> , 67, 574-582  | 2.7 | 24 |
| 26 | A Multiple Biomedical Signals Synchronous Acquisition Circuit Based on Over-Sampling and Shaped Signal for the Application of the Ubiquitous Health Care. <i>Circuits, Systems, and Signal Processing</i> , <b>2014</b> , 33, 3003-3017 | 2.2 | 8  |
| 25 | Magnetic detection electrical impedance tomography with total variation regularization. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 2857-64  | 1   | 2  |
| 24 | The differential Howland current source with high signal to noise ratio for bioimpedance measurement system. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 055111   | 1.7 | 16 |
| 23 | Fast digital lock-in amplifier for dynamic spectrum extraction. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 57003   | 3.5 | 12 |
| 22 | Influence of water on noninvasive hemoglobin measurement by Dynamic Spectrum. <i>Analytical Methods</i> , <b>2013</b> , 5, 4660   | 3.2 | 6  |
| 21 | Digital lock-in algorithm and parameter settings in multi-channel sensor signal detection. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2013</b> , 46, 2519-2524                                     | 4.6 | 14 |

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| 20 | A method to remove odd harmonic interferences in square wave reference digital lock-in amplifier. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 025115   | 1.7 | 12 |
| 19 | Optimum method of applying and removing a shaped-function signal for low-light-level image detection. <i>Applied Optics</i> , <b>2013</b> , 52, 7934-41  | 1.7 | 14 |
| 18 | Fill light for grayscale superresolution. <i>Optical Engineering</i> , <b>2013</b> , 52, 073105  | 1.1 | 2  |
| 17 | A novel combined regularization algorithm of total variation and Tikhonov regularization for open electrical impedance tomography. <i>Physiological Measurement</i> , <b>2013</b> , 34, 823-38                 | 2.9 | 25 |
| 16 | Non-invasive measurement of haemoglobin based on dynamic spectrum method. <i>Transactions of the Institute of Measurement and Control</i> , <b>2013</b> , 35, 16-24  | 1.8 | 13 |
| 15 | A New Electrode Mode for Magnetic Detection Electrical Impedance Tomography: Computer Simulation Study. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2543-2550                                    | 2   | 4  |
| 14 | Employment of frame accumulation and shaped function for upgrading low-light-level image detection sensitivity. <i>Optics Letters</i> , <b>2012</b> , 37, 1361-3   | 3   | 28 |
| 13 | Composition analysis of scattering liquids based on spatially offset visible-near-infrared spectroscopy. <i>Applied Spectroscopy</i> , <b>2012</b> , 66, 1347-52   | 3.1 | 19 |
| 12 | Effects of 50 Hz Magnetic Fields With Different Intensities Exposure on Delayed Rectifier Potassium Channel of Neurons*. <i>Progress in Biochemistry and Biophysics</i> , <b>2012</b> , 39, 458-463            |     | 1  |
| 11 | A novel algorithm combining oversampling and digital lock-in amplifier of high speed and precision. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 095106   | 1.7 | 35 |
| 10 | Methodological evaluation and comparison of five urinary albumin measurements. <i>Journal of Clinical Laboratory Analysis</i> , <b>2011</b> , 25, 324-9  | 3   | 11 |
| 9  | Effects of 50 Hz Magnetic Fields With Different Intensities Exposure on Transient Outward Potassium Channel of Cortical Neurons*. <i>Progress in Biochemistry and Biophysics</i> , <b>2011</b> , 38, 1036-1042 |     | 1  |
| 8  | Effect of antler extract on corticosteroid-induced avascular necrosis of the femoral head in rats. <i>Journal of Ethnopharmacology</i> , <b>2010</b> , 127, 124-9  | 5   | 25 |
| 7  | . <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2635-2638  | 2   | 9  |
| 6  | Effect of Deep Brain Stimulation on Neural Activity of Subthalamic Nucleus in Rats*. <i>Progress in Biochemistry and Biophysics</i> , <b>2009</b> , 36, 1049-1055  |     | 2  |
| 5  | Preparation of porous TiO <sub>2</sub> /Ti composite membrane for immunoisolation. <i>Applied Surface Science</i> , <b>2008</b> , 255, 2256-2258   | 6.7 | 12 |
| 4  | Uterine electromyogram topography to represent synchronization of uterine contractions. <i>International Journal of Gynecology and Obstetrics</i> , <b>2007</b> , 97, 120-4                                    | 4   | 13 |
| 3  | An in Vivo Acquisition Device for Near Infrared Blood Spectra <b>2007</b> ,  |     | 1  |



- 2 An artificial-intelligence approach to ECG analysis. *IEEE Engineering in Medicine and Biology Magazine*, **2000**, 19, 95-100 12
- 1 Accurate NIRS measurement of muscle oxygenation by correcting the influence of a subcutaneous fat layer **1998**, 16