# Shuo Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9045225/publications.pdf

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| 45 | 975 | 471371 | 454834 |
|---|---|---|---|
| papers | citations | 17 | 30 |
| | | h-index | g-index |

| 46 | 46 | 46 | 1130 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Review of Fluorescence Suppression Techniques in Raman Spectroscopy. Applied Spectroscopy Reviews, 2015, 50, 387-406. | 3.4 | 201 |
| 2 | Recovery of Raman spectra with low signal-to-noise ratio using Wiener estimation. Optics Express, 2014, 22, 12102. | 1.7 | 66 |
| 3 | Thermally and electrically conductive multifunctional sensor based on epoxy/graphene composite. Nanotechnology, 2020, 31, 075702. | 1.3 | 64 |
| 4 | Preoperative Prediction of Axillary Lymph Node Metastasis in Breast Cancer using Radiomics Features of DCE-MRI. Scientific Reports, 2019, 9, 2240. | 1.6 | 56 |
| 5 | A State-of-the-Art Survey for Microorganism Image Segmentation Methods and Future Potential. IEEE Access, 2019, 7, 100243-100269. | 2.6 | 53 |
| 6 | Modified Wiener estimation of diffuse reflectance spectra from RGB values by the synthesis of new colors for tissue measurements. Journal of Biomedical Optics, 2012, 17, 030501. | 1.4 | 44 |
| 7 | Identifying non-muscle-invasive and muscle-invasive bladder cancer based on blood serum surface-enhanced Raman spectroscopy. Biomedical Optics Express, 2019, 10, 3533. | 1.5 | 43 |
| 8 | Low-cost fabrication of a paper-based microfluidic using a folded pattern paper. Analytica Chimica Acta, 2019, 1053, 131-138. | 2.6 | 40 |
| 9 | Analysis and classification of kidney stones based on Raman spectroscopy. Biomedical Optics Express, 2018, 9, 4175. | 1.5 | 39 |
| 10 | Assessing the effectiveness of artificial intelligence methods for melanoma: A retrospective review. Journal of the American Academy of Dermatology, 2019, 81, 1176-1180. | 0.6 | 35 |
| 11 | Stepwise method based on Wiener estimation for spectral reconstruction in spectroscopic Raman imaging. Optics Express, 2017, 25, 1005. | 1.7 | 34 |
| 12 | Serum microRNA-221 as a biomarker for diabetic retinopathy in patients associated with type 2 diabetes. International Journal of Ophthalmology, 2018, 11, 1889-1894. | 0.5 | 29 |
| 13 | Fast reconstruction of Raman spectra from narrowâ€band measurements based on Wiener estimation. Journal of Raman Spectroscopy, 2013, 44, 875-881. | 1.2 | 25 |
| 14 | Detecting urine metabolites of bladder cancer by surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119108. | 2.0 | 25 |
| 15 | Identifying benign and malignant thyroid nodules based on blood serum surface-enhanced Raman spectroscopy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 32, 102328. | 1.7 | 22 |
| 16 | Label-free detection of multiple genitourinary cancers from urine by surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118543. | 2.0 | 20 |
| 17 | Optimization of advanced Wiener estimation methods for Raman reconstruction from narrow-band measurements in the presence of fluorescence background. Biomedical Optics Express, 2015, 6, 2633. | 1.5 | 18 |
| 18 | Fast wide-field Raman spectroscopic imaging based on simultaneous multi-channel image acquisition and Wiener estimation. Optics Letters, 2016, 41, 2783. | 1.7 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Early Prediction of Skin Viability Using Visible Diffuse Reflectance Spectroscopy and Autofluorescence Spectroscopy. Plastic and Reconstructive Surgery, 2014, 134, 240e-247e. | 0.7 | 14 |
| 20 | A Fast Fluorescence Background Suppression Method for Raman Spectroscopy Based on Stepwise Spectral Reconstruction. IEEE Access, 2018, 6, 67709-67717. | 2.6 | 13 |
| 21 | Early detection and differentiation of venous and arterial occlusion in skin flaps using visible diffuse reflectance spectroscopy and autofluorescence spectroscopy. Biomedical Optics Express, 2016, 7, 570. | 1.5 | 11 |
| 22 | Weighted spectral reconstruction method for discrimination of bacterial species with low signal-to-noise ratio Raman measurements. RSC Advances, 2019, 9, 9500-9508. | 1.7 | 11 |
| 23 | Spectral diffuse reflectance and autofluorescence imaging can perform early prediction of blood vessel occlusion in skin flaps. Journal of Biophotonics, 2017, 10, 1665-1675. | 1.1 | 9 |
| 24 | Identifying functioning and nonfunctioning adrenal tumors based on blood serum surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2021, 413, 4289-4299. | 1.9 | 9 |
| 25 | Identification and assessment of pulmonary Cryptococcus neoformans infection by blood serum surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119978. | 2.0 | 9 |
| 26 | Software controlling algorithms for the system performance optimization of confocal laser scanning microscope. Biomedical Signal Processing and Control, 2010, 5, 223-228. | 3.5 | 8 |
| 27 | Preparation of antimonene nanosheets and their thermoelectric nanocomposites. Composites Communications, 2021, 28, 100968. | 3.3 | 7 |
| 28 | A Method to Create a Universal Calibration Dataset for Raman Reconstruction Based on Wiener Estimation. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 164-170. | 1.9 | 6 |
| 29 | Predicting Unnecessary Nodule Biopsies from a Small, Unbalanced, and Pathologically Proven Dataset by Transfer Learning. Journal of Digital Imaging, 2020, 33, 685-696. | 1.6 | 5 |
| 30 | Tortuosity of Retinal Main and Branching Arterioles, Venules in Patients With Type 2 Diabetes and Diabetic Retinopathy in China. IEEE Access, 2020, 8, 6201-6208. | 2.6 | 5 |
| 31 | Predicting prognosis in acute myeloid leukemia patients by surface-enhanced Raman spectroscopy. Nanomedicine, 2021, 16, 1873-1885. | 1.7 | 5 |
| 32 | Early assessment of chemotherapeutic response in hepatocellular carcinoma based on serum surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121314. | 2.0 | 5 |
| 33 | Sequential weighted Wiener estimation for extraction of key tissue parameters in color imaging: a phantom study. Journal of Biomedical Optics, 2014, 19, 127001. | 1.4 | 4 |
| 34 | A Programmable Optical Filter With Arbitrary Transmittance for Fast Spectroscopic Imaging and Spectral Data Post-Processing. IEEE Access, 2019, 7, 119294-119308. | 2.6 | 4 |
| 35 | Accelerating Monte Carlo simulation of light propagation in tissue mimicking turbid medium based on generative adversarial networks. Medical Physics, 2021, , . | 1.6 | 4 |
| 36 | Prediction of the postoperative prognosis in patients with non-muscle-invasive bladder cancer based on preoperative serum surface-enhanced Raman spectroscopy. Biomedical Optics Express, 2022, 13, 4204. | 1.5 | 4 |

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|---|---|---|---|
| 37 | A surface-enhanced Raman scattering-based probe method for detecting chromogranin A in adrenal tumors. Nanomedicine, 2020, 15, 397-407. | 1.7 | 3 |
| 38 | Coding Convolutional Neural Networks as Spectral Transmittance for Intelligent Hyperspectral Remote Sensing in a Snapshot. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1635-1639. | 1.4 | 3 |
| 39 | Epipolar geometry for prism-based single-lens stereovision. Machine Vision and Applications, 2017, 28, 313-326. | 1.7 | 2 |
| 40 | Programmable hyperspectral microscopy for high-contrast biomedical imaging in a snapshot. Journal of Biomedical Optics, 2020, 25, 1. | 1.4 | 2 |
| 41 | High Spectral Resolution Raman Measurements Using Light-Emitting Diode as Excitation Based on Weighted Spectral Reconstruction Method. IEEE Access, 2019, 7, 134828-134837. | 2.6 | 0 |
| 42 | Logarithmic Texture Analysis for Early Lung Cancer Screening on Contrast Enhancement CT Images. , 2019, , . | | 0 |
| 43 | Fast wide-field Raman spectroscopic imaging based on multi-channel narrow-band imaging and Wiener estimation. , 2018, , . | | 0 |
| 44 | Identifying pulmonary Cryptococcus neoformans infection by serum surface-enhanced Raman spectroscopy. , 2019, , . | | 0 |
| 45 | MTST: A splitting strategy to reduce the number of filters in programmable hyperspectral imaging for fast multi-target classification. Optics Express, 0, , . | 1.7 | 0 |