

# Pu Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6151455/publications.pdf>

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22  
papers

1,145  
citations

567281

15  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1392  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Raman-Based Technologies for Bacterial Identification and Antimicrobial Susceptibility Testing. <i>Photonics</i> , 2022, 9, 133.	2.0	8
2	Automatic quantitative analysis of metabolism inactivation concentration in single bacterium using stimulated Raman scattering microscopy with deep learning image segmentation. <i>Medicine in Novel Technology and Devices</i> , 2022, 14, 100114.	1.6	3
3	Clear cell renal cell carcinoma detection by multimodal photoacoustic tomography. <i>Photoacoustics</i> , 2021, 21, 100221.	7.8	1
4	Rapid antimicrobial susceptibility testing by stimulated Raman scattering metabolic imaging and morphological deformation of bacteria. <i>Analytica Chimica Acta</i> , 2021, 1168, 338622.	5.4	9
5	A rapid procedure for bacterial identification and antimicrobial susceptibility testing directly from positive blood cultures. <i>Analyst</i> , 2021, 147, 147-154.	3.5	5
6	Rapid Determination of Antimicrobial Susceptibility by Stimulated Raman Scattering Imaging of D <sub>2</sub> O Metabolic Incorporation in a Single Bacterium. <i>Advanced Science</i> , 2020, 7, 2001452.	11.2	72
7	High-Speed Spectroscopic Transient Absorption Imaging of Defects in Graphene. <i>Nano Letters</i> , 2018, 18, 1489-1497.	9.1	26
8	Real-time intravascular photoacoustic-ultrasound imaging of lipid-laden plaque in human coronary artery at 16 frames per second. <i>Scientific Reports</i> , 2017, 7, 1417.	3.3	68
9	Spectral analysis assisted photoacoustic imaging for lipid composition differentiation. <i>Photoacoustics</i> , 2017, 7, 12-19.	7.8	28
10	High-sensitivity intravascular photoacoustic imaging of lipid-laden plaque with a collinear catheter design. <i>Scientific Reports</i> , 2016, 6, 25236.	3.3	78
11	Label-free <i>in vivo</i> imaging of peripheral nerve by multispectral photoacoustic tomography. <i>Journal of Biophotonics</i> , 2016, 9, 124-128.	2.3	29
12	High-speed intravascular photoacoustic imaging at 17 $\mu$ m with a KTP-based OPO. <i>Biomedical Optics Express</i> , 2015, 6, 4557.	2.9	41
13	Assessing breast tumor margin by multispectral photoacoustic tomography. <i>Biomedical Optics Express</i> , 2015, 6, 1273.	2.9	101
14	Spectrometer-free vibrational imaging by retrieving stimulated Raman signal from highly scattered photons. <i>Science Advances</i> , 2015, 1, e1500738.	10.3	88
15	High-speed Intravascular Photoacoustic Imaging of Lipid-laden Atherosclerotic Plaque Enabled by a 2-kHz Barium Nitrite Raman Laser. <i>Scientific Reports</i> , 2014, 4, 6889.	3.3	107
16	Vibrational Photoacoustic Tomography: Chemical Imaging beyond the Ballistic Regime. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3211-3215.	4.6	15
17	Far-field imaging of non-fluorescent species with subdiffraction resolution. <i>Nature Photonics</i> , 2013, 7, 449-453.	31.4	131
18	Spectroscopic Imaging of Deep Tissue through Photoacoustic Detection of Molecular Vibration. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2177-2185.	4.6	49

#	ARTICLE	IF	CITATIONS
19	Mapping lipid and collagen by multispectral photoacoustic imaging of chemical bond vibration. Journal of Biomedical Optics, 2012, 17, 0960101.	2.6	51
20	Mechanisms of Epi-Detected Stimulated Raman Scattering Microscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 384-388.	2.9	15
21	Bond-selective imaging of deep tissue through the optical window between 1600 and 1850 nm. Journal of Biophotonics, 2012, 5, 25-32.	2.3	74
22	Label-Free Bond-Selective Imaging by Listening to Vibrationally Excited Molecules. Physical Review Letters, 2011, 106, 238106.	7.8	132