Shuang Wang

List of Publications by Year
in descending order

27 papers	318 citations	840776 11 h-index	888059 17 g-index
27 all docs	27 docs citations	27 times ranked	286 citing authors

#	Article	IF	Citations
1	Low-level laser facilitates alternatively activated macrophage/microglia polarization and promotes functional recovery after crush spinal cord injury in rats. Scientific Reports, 2017, 7, 620.	3.3	61
2	Notch signaling regulates osteosarcoma proliferation and migration through Erk phosphorylation. Tissue and Cell, 2019, 59, 51-61.	2.2	29
3	Study on the pathological and biomedical characteristics of spinal cord injury by confocal Raman microspectral imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 148-158.	3.9	20
4	A graphical user interface (<scp>NWUSA</scp>) for Raman spectral processing, analysis and feature recognition. Journal of Biophotonics, 2021, 14, e202000456.	2.3	20
5	Label-free Raman imaging of live osteosarcoma cells with multivariate analysis. Applied Microbiology and Biotechnology, 2019, 103, 6759-6769.	3.6	18
6	Study on the biochemical mechanisms of the micro-wave ablation treatment of lung cancer by<i>ex vivo</i>confocal Raman microspectral imaging. Analyst, The, 2020, 145, 626-635.	3.5	18
7	Confocal raman microspectral imaging of ex vivo human spinal cord tissue. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 177-184.	3.8	17
8	Raman spectroscopy combined with multivariate analysis to study the biochemical mechanism of lung cancer microwave ablation. Biomedical Optics Express, 2020, 11, 1061.	2.9	17
9	Confocal Raman Spectral Imaging Study of DAPT, a γ-secretase Inhibitor, Induced Physiological and Biochemical Reponses in Osteosarcoma Cells. International Journal of Medical Sciences, 2020, 17, 577-590.	2.5	14
10	A modular Raman microspectroscopy system for biological tissue analysis. Spectroscopy, 2010, 24, 577-583.	0.8	12
11	Label-Free Spectral Imaging Unveils Biochemical Mechanisms of Low-Level Laser Therapy on Spinal Cord Injury. Cellular Physiology and Biochemistry, 2018, 49, 1168-1183.	1.6	11
12	Investigation on the Cancer Invasion and Metastasis of Skin Squamous Cell Carcinoma by Raman Spectroscopy. Molecules, 2019, 24, 2059.	3.8	11
13	Raman spectroscopy based pathological analysis and discrimination of formalin fixed paraffin embedded breast cancer tissue. Vibrational Spectroscopy, 2021, 115, 103260.	2.2	10
14	Confocal Raman microspectroscopic analysis on the time-dependent impact of DAPT, a γ-secretase inhibitor, to osteosarcoma cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118372.	3.9	8
15	NWUâ€RSIT: An integrated graphical user interface for biomedical Raman spectral imaging with both univariate and multivariate modules. Journal of Raman Spectroscopy, 2021, 52, 1428-1439.	2.5	8
16	Unveiling doseâ€and timeâ€dependent osteosarcoma cell responses to the γâ€secretase inhibitor, DAPT , by confocal Raman microscopy. Journal of Biophotonics, 2020, 13, e202000238.	2.3	7
17	Raman Microspectroscopic Investigation and Classification of Breast Cancer Pathological Characteristics. Molecules, 2021, 26, 921.	3.8	6
18	Interpreting the biochemical specificity of mouse spinal cord by confocal raman microspectral imaging. Journal of Innovative Optical Health Sciences, 2017, 10, 1743007.	1.0	4

#	Article	IF	Citations
19	Confocal Raman microspectral analysis and imaging of the drug response of osteosarcoma to cisplatin. Analytical Methods, 2021, 13, 2527-2536.	2.7	4
20	Unveiling osteosarcoma responses to DAPT combined with cisplatin by using confocal Raman microscopy. Biomedical Optics Express, 2021, 12, 5514.	2.9	4
21	Studying the pathological and biochemical features in breast cancer progression by confocal Raman microspectral imaging of excised tissue samples. Journal of Photochemistry and Photobiology B: Biology, 2021, 222, 112280.	3.8	4
22	Validating Multivariate Classification Algorithms in Raman Spectroscopy-Based Osteosarcoma Cellular Analysis. Analytical Letters, 2022, 55, 1052-1067.	1.8	4
23	Investigating the cellular responses of osteosarcoma to cisplatin by confocal Raman microspectroscopy. Journal of Photochemistry and Photobiology B: Biology, 2022, 226, 112366.	3.8	4
24	Raman Spectral Imaging Based Histopathology of Human Skin Tissue. Journal of Applied Spectroscopy, 2018, 85, 573-579.	0.7	3
25	Raman Microspectral Study and Classification of the Pathological Evolution of Breast Cancer Using Both Principal Component Analysis-Linear Discriminant Analysis and Principal Component Analysis-Support Vector Machine. Journal of Spectroscopy, 2021, 2021, 1-11.	1.3	3
26	Raman spectroscopic investigation on the biomedical evolution of spinal cord injury and the therapeutic outcomes of its low-level laser therapy. Vibrational Spectroscopy, 2022, 118, 103337.	2.2	1
27	Characterization the biochemical specificity of mouse spinal cord by confocal Raman microspectral Imaging. , 2017, , .		0