Shuang Wang

List of Publications by Year
in descending order

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27	318	840776 11	888059 17
papers	citations	h-index	g-index

27	27	27	286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Validating Multivariate Classification Algorithms in Raman Spectroscopy-Based Osteosarcoma Cellular Analysis. Analytical Letters, 2022, 55, 1052-1067.	1.8	4
2	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
3	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
4	Confocal Raman microspectral analysis and imaging of the drug response of osteosarcoma to cisplatin. Analytical Methods, 2021, 13, 2527-2536.	2.7	4
5	Raman Microspectroscopic Investigation and Classification of Breast Cancer Pathological Characteristics. Molecules, 2021, 26, 921.	3.8	6
6	A graphical user interface (<scp>NWUSA</scp>) for Raman spectral processing, analysis and feature recognition. Journal of Biophotonics, 2021, 14, e202000456.	2.3	20
7	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
8	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
9	Raman spectroscopy based pathological analysis and discrimination of formalin fixed paraffin embedded breast cancer tissue. Vibrational Spectroscopy, 2021, 115, 103260.	2.2	10
10	Unveiling osteosarcoma responses to DAPT combined with cisplatin by using confocal Raman microscopy. Biomedical Optics Express, 2021, 12, 5514.	2.9	4
11	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
12	Study on the biochemical mechanisms of the micro-wave ablation treatment of lung cancer byex vivoconfocal Raman microspectral imaging. Analyst, The, 2020, 145, 626-635.	3.5	18
13	Unveiling doseâ€•and timeâ€dependent osteosarcoma cell responses to the Î³â€secretase inhibitor, DAPT , by confocal Raman microscopy. Journal of Biophotonics, 2020, 13, e202000238.	2.3	7
14	Confocal Raman Spectral Imaging Study of DAPT, a Î³-secretase Inhibitor, Induced Physiological and Biochemical Reponses in Osteosarcoma Cells. International Journal of Medical Sciences, 2020, 17, 577-590.	2.5	14
15	Confocal Raman microspectroscopic analysis on the time-dependent impact of DAPT, a Î³-secretase inhibitor, to osteosarcoma cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118372.	3.9	8
16	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
17	Notch signaling regulates osteosarcoma proliferation and migration through Erk phosphorylation. Tissue and Cell, 2019, 59, 51-61.	2.2	29
18	Label-free Raman imaging of live osteosarcoma cells with multivariate analysis. Applied Microbiology and Biotechnology, 2019, 103, 6759-6769.	3.6	18

#	Article	IF	Citations
19	Investigation on the Cancer Invasion and Metastasis of Skin Squamous Cell Carcinoma by Raman Spectroscopy. Molecules, 2019, 24, 2059.	3.8	11
20	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
21	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
22	Raman Spectral Imaging Based Histopathology of Human Skin Tissue. Journal of Applied Spectroscopy, 2018, 85, 573-579.	0.7	3
23	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
24	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
25	Characterization the biochemical specificity of mouse spinal cord by confocal Raman microspectral Imaging. , 2017, , .		0
26	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
27	A modular Raman microspectroscopy system for biological tissue analysis. Spectroscopy, 2010, 24, 577-583.	0.8	12