Monika KopeÄ

List of Publications by Year
in descending order

21	656	567281 15	752698 20
papers	citations	h-index	g-index

28	28	28	900
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of lipid droplets and adipocytes in cancer. Raman imaging of cell cultures: MCF10A, MCF7, and MDA-MB-231 compared to adipocytes in cancerous human breast tissue. Analyst, The, 2015, 140, 2224-2235.	3.5	168
2	Development of a new diagnostic Raman method for monitoring epigenetic modifications in the cancer cells of human breast tissue. Analytical Methods, 2016, 8, 8542-8553.	2.7	39
3	Epigenetic changes in cancer by Raman imaging, fluorescence imaging, AFM and scanning near-field optical microscopy (SNOM). Acetylation in normal and human cancer breast cells MCF10A, MCF7 and MDA-MB-231. Analyst, The, 2016, 141, 5646-5658.	3.5	38
4	Monitoring glycosylation metabolism in brain and breast cancer by Raman imaging. Scientific Reports, 2019, 9, 166.	3.3	37
5	Aberrant Protein Phosphorylation in Cancer by Using Raman Biomarkers. Cancers, 2019, 11, 2017.	3.7	36
6	The cellular environment of cancerous human tissue. Interfacial and dangling water as a â€œhydration fingerprintâ€• Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 609-623.	3.9	32
7	Angiogenesis - a crucial step in breast cancer growth, progression and dissemination by Raman imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 198, 338-345.	3.9	32
8	Label-free determination of lipid composition and secondary protein structure of human salivary noncancerous and cancerous tissues by Raman microspectroscopy. Analyst, The, 2015, 140, 2107-2113.	3.5	30
9	A look into the use of Raman spectroscopy for brain and breast cancer diagnostics: linear and non-linear optics in cancer research as a gateway to tumor cell identity. Expert Review of Molecular Diagnostics, 2020, 20, 99-115.	3.1	30
10	Raman microspectroscopy of noncancerous and cancerous human breast tissues. Identification and phase transitions of linoleic and oleic acids by Raman low-temperature studies. Analyst, The, 2015, 140, 2134-2143.	3.5	27
11	Double face of cytochrome c in cancers by Raman imaging. Scientific Reports, 2022, 12, 2120.	3.3	26
12	Redox Imbalance and Biochemical Changes in Cancer by Probing Redox-Sensitive Mitochondrial Cytochromes in Label-Free Visible Resonance Raman Imaging. Cancers, 2021, 13, 960.	3.7	25
13	Advances in Raman imaging combined with AFM and fluorescence microscopy are beneficial for oncology and cancer research. Nanomedicine, 2019, 14, 1873-1888.	3.3	23
14	Raman imaging and statistical methods for analysis various type of human brain tumors and breast cancers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 262, 120091.	3.9	22
15	Histochemical analysis of human breast tissue samples by IR and Raman spectroscopies. Protocols discussion. Infrared Physics and Technology, 2018, 93, 247-254.	2.9	20
16	Revision of Commonly Accepted Warburg Mechanism of Cancer Development: Redox-Sensitive Mitochondrial Cytochromes in Breast and Brain Cancers by Raman Imaging. Cancers, 2021, 13, 2599.	3.7	17
17	Polarized Raman microscopy imaging: Capabilities and challenges for cancer research. Journal of Molecular Liquids, 2018, 259, 102-111.	4.9	15
18	Raman microspectroscopy of Hematoporphyrins. Imaging of the noncancerous and the cancerous human breast tissues with photosensitizers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 169, 182-191.	3.9	12

#	Article	IF	Citations
19	The role of pro- and antiangiogenic factors in angiogenesis process by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 268, 120667.	3.9	10
20	Surface-Enhanced Raman Spectroscopy Analysis of Human Breast Cancer via Silver Nanoparticles: An Examination of Fabrication Methods. Journal of Spectroscopy, 2018, 2018, 1-8.	1.3	8
21	Raman Spectroscopy, Medical Applications: A New Look Inside Human Body With Raman Imaging. , 2017, , 915-918.		3