

# Flavius C Pascut

## List of Publications by Year in descending order

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13  
papers

472  
citations

933447

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1125743

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docs citations

13  
times ranked

651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-invasive time-course imaging of apoptotic cells by confocal Raman micro-spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 251-258.	2.5	89
2	Cytoplasmic RNA in Undifferentiated Neural Stem Cells: A Potential Label-Free Raman Spectral Marker for Assessing the Undifferentiated Status. Analytical Chemistry, 2012, 84, 3155-3162.	6.5	80
3	Non-invasive label-free monitoring the cardiac differentiation of human embryonic stem cells in-vitro by Raman spectroscopy. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3517-3524.	2.4	63
4	Noninvasive Detection and Imaging of Molecular Markers in Live Cardiomyocytes Derived from Human Embryonic Stem Cells. Biophysical Journal, 2011, 100, 251-259.	0.5	60
5	Toward label-free Raman-activated cell sorting of cardiomyocytes derived from human embryonic stem cells. Journal of Biomedical Optics, 2011, 16, 045002.	2.6	44
6	Label-free molecular imaging of immunological synapses between dendritic and T cells by Raman micro-spectroscopy. Analyst, The, 2010, 135, 3205.	3.5	32
7	Applications of Raman micro-spectroscopy to stem cell technology: label-free molecular discrimination and monitoring cell differentiation. EPJ Techniques and Instrumentation, 2015, 2, 6.	1.3	27
8	Monitoring the mineralisation of bone nodules in vitro by space- and time-resolved Raman micro-spectroscopy. Analyst, The, 2014, 139, 55-58.	3.5	24
9	Non-invasive hydrodynamic imaging in plant roots at cellular resolution. Nature Communications, 2021, 12, 4682.	12.8	19
10	Spectral Depth Profiling of Arbitrary Surfaces by Thermal Emission Decay-Fourier Transform Infrared Spectroscopy. Applied Spectroscopy, 2003, 57, 1494-1501.	2.2	11
11	<i>In-vivo</i> hydration profile mapping of human stratum corneum using fiber-optic optothermal radiometry. Review of Scientific Instruments, 2003, 74, 770-772.	1.3	9
12	Near-surface depth-resolved midinfrared emission spectroscopy. Review of Scientific Instruments, 2003, 74, 346-348.	1.3	7
13	TEM Tomography of Pores with Application to Computational Nanoscale Flows in Nanoporous Silicon Nitride (NPN). Membranes, 2018, 8, 26.	3.0	7