

# Oleg Ryabchykov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4624464/publications.pdf>

Version: 2024-02-01

20  
papers

445  
citations

933264

10  
h-index

1058333

14  
g-index

20  
all docs

20  
docs citations

20  
times ranked

733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Based Molecular Imaging and Analytics: A Magic Bullet for Biomedical Applications!?. Analytical Chemistry, 2016, 88, 133-151.	3.2	81
2	Automatization of spike correction in Raman spectra of biological samples. Chemometrics and Intelligent Laboratory Systems, 2016, 155, 1-6.	1.8	68
3	Deep learning a boon for biophotonics?. Journal of Biophotonics, 2020, 13, e201960186.	1.1	61
4	Fusion of MALDI Spectrometric Imaging and Raman Spectroscopic Data for the Analysis of Biological Samples. Frontiers in Chemistry, 2018, 6, 257.	1.8	33
5	Toward food analytics: fast estimation of lycopene and $\beta$ -carotene content in tomatoes based on surface enhanced Raman spectroscopy (SERS). Analyst, The, 2016, 141, 4447-4455.	1.7	32
6	Detection of multi-resistant clinical strains of E. coli with Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2022, 414, 1481-1492.	1.9	25
7	UV-Raman Spectroscopic Identification of Fungal Spores Important for Respiratory Diseases. Analytical Chemistry, 2018, 90, 8912-8918.	3.2	22
8	Raman Spectroscopy Follows Time-Dependent Changes in T Lymphocytes Isolated from Spleen of Endotoxemic Mice. ImmunoHorizons, 2019, 3, 45-60.	0.8	22
9	Leukocyte Activation Profile Assessed by Raman Spectroscopy Helps Diagnosing Infection and Sepsis. , 2021, 3, e0394.		17
10	Analyzing Raman spectroscopic data. Physical Sciences Reviews, 2019, 4, .	0.8	15
11	Towards Raman spectroscopy of urine as screening tool. Journal of Biophotonics, 2020, 13, e201900143.	1.1	15
12	Biochemical Analysis of Leukocytes after In Vitro and In Vivo Activation with Bacterial and Fungal Pathogens Using Raman Spectroscopy. International Journal of Molecular Sciences, 2021, 22, 10481.	1.8	12
13	Leukocyte subtypes classification by means of image processing. , 0, , .		11
14	Surface enhanced Raman spectroscopyâ€detection of the uptake of mannoseâ€modified nanoparticles by macrophages in vitro: A model for detection of vulnerable atherosclerotic plaques. Journal of Biophotonics, 2018, 11, e201800013.	1.1	9
15	Labelâ€free differentiation of clinical <i>E. coli</i> and <i>Klebsiella</i> isolates with Raman spectroscopy. Journal of Biophotonics, 2022, 15, e202200005.	1.1	9
16	Raman spectroscopic investigation of the human liver stem cell line HepaRG. Journal of Raman Spectroscopy, 2018, 49, 935-942.	1.2	6
17	Comprehensive Chemometrics. , 2020, , 333-359.		4
18	4. Analyzing Raman spectroscopic data. , 2020, , 81-106.		2

#	ARTICLE	IF	CITATIONS
19	Application of Oxidized Silicon Nanowires for Nerve Fibers Regeneration. Advanced Materials Research, 0, 854, 157-163.	0.3	1
20	Data driven modeling of photonic data. , 2022, , .		0