

# Christoph Krafft

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

147 papers	6,174 citations	48 h-index	74 g-index
173 ext. papers	7,063 ext. citations	4.7 avg, IF	5.78 L-index

#	Paper	IF	Citations
147	Raman Spectroscopy and Imaging in Bioanalytics.. <i>Analytical Chemistry</i> , <b>2021</b> ,	7.8	4
146	Assessment of shifted excitation Raman difference spectroscopy in highly fluorescent biological samples. <i>Analyst, The</i> , <b>2021</b> , 146, 6760-6767	5	0
145	Surface-Enhanced Raman Spectroscopy to Characterize Different Fractions of Extracellular Vesicles from Control and Prostate Cancer Patients. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	2
144	Biophotonic technologies for assessment of breast tumor surgical margins-A review. <i>Journal of Biophotonics</i> , <b>2021</b> , 14, e202000280	3.1	16
143	Monitoring Changes in Biochemical and Biomechanical Properties of Collagenous Tissues Using Label-Free and Nondestructive Optical Imaging Techniques. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 3813-3821	7.8	5
142	FLIm-Guided Raman Imaging to Study Cross-Linking and Calcification of Bovine Pericardium. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10659-10667	7.8	7
141	New methodology to process shifted excitation Raman difference spectroscopy data: a case study of pollen classification. <i>Scientific Reports</i> , <b>2020</b> , 10, 11215	4.9	7
140	Raman and SERS spectroscopy for characterization of extracellular vesicles from control and prostate carcinoma patients <b>2020</b> ,		3
139	Combination of Spontaneous and Coherent Raman Scattering Approaches with Other Spectroscopic Modalities for Molecular Multi-contrast Cancer Diagnosis <b>2020</b> , 325-358		
138	Comparability of Raman Spectroscopic Configurations: A Large Scale Cross-Laboratory Study. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 15745-15756	7.8	22
137	Wide Field Spectral Imaging with Shifted Excitation Raman Difference Spectroscopy Using the Nod and Shuffle Technique. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
136	Investigating Origins of FLIm Contrast in Atherosclerotic Lesions Using Combined FLIm-Raman Spectroscopy. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 122	5.4	3
135	FLIm and Raman Spectroscopy for Investigating Biochemical Changes of Bovine Pericardium upon Genipin Cross-Linking. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
134	Effect of biomimetic mineralization on enamel and dentin: A Raman and EDX analysis. <i>Dental Materials</i> , <b>2019</b> , 35, 1300-1307	5.7	15
133	High-throughput screening Raman microspectroscopy for assessment of drug-induced changes in diatom cells. <i>Analyst, The</i> , <b>2019</b> , 144, 4488-4492	5	8
132	Micro-Raman spectroscopy in medicine. <i>Physical Sciences Reviews</i> , <b>2019</b> , 4,	1.4	4
131	Demonstrating the application of Raman spectroscopy together with chemometric technique for screening of asthma disease. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 600-609	3.5	16

130	Medical needs for translational biophotonics with the focus on Raman-based methods. <i>Translational Biophotonics</i> , <b>2019</b> , 1, e201900018	2.2	4
129	Handling Different Spatial Resolutions in Image Fusion by Multivariate Curve Resolution-Alternating Least Squares for Incomplete Image Multisets. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6757-6765	7.8	21
128	Investigation of Microalgal Carotenoid Content Using Coherent Anti-Stokes Raman Scattering (CARS) Microscopy and Spontaneous Raman Spectroscopy. <i>ChemPhysChem</i> , <b>2018</b> , 19, 1048-1055	3.2	8
127	High-Throughput Screening Raman Spectroscopy Platform for Label-Free Cellomics. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 2023-2030	7.8	51
126	Perspectives, potentials and trends of ex vivo and in vivo optical molecular pathology. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700236	3.1	8
125	A droplet-based microfluidic chip as a platform for leukemia cell lysate identification using surface-enhanced Raman scattering. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 999-1006	4.4	34
124	Miniature diamond-anvil cells for FTIR-microspectroscopy of small quantities of biosamples. <i>Analyst, The</i> , <b>2018</b> , 143, 3595-3599	5	4
123	Raman Spectroscopy of Proteins and Nucleic Acids: From Amino Acids and Nucleotides to Large Assemblies <b>2018</b> , 1-15		2
122	Confocal Raman microscopy combined with optical clearing for identification of inks in multicolored tattooed skin in vivo. <i>Analyst, The</i> , <b>2018</b> , 143, 4990-4999	5	18
121	Iron incorporation in biosilica of the marine diatom <i>Stephanopyxis turris</i> : dispersed or clustered?. <i>BioMetals</i> , <b>2017</b> , 30, 71-82	3.4	6
120	A specific spectral signature of serum and plasma-derived extracellular vesicles for cancer screening. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 835-841	6	44
119	The <i>Staphylococcus aureus</i> extracellular matrix protein (Emp) has a fibrous structure and binds to different extracellular matrices. <i>Scientific Reports</i> , <b>2017</b> , 7, 13665	4.9	11
118	Markerfreie molekulare Bildgebung biologischer Zellen und Gewebe durch lineare und nichtlineare Raman-spektroskopische Ansätze. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4458-4500	3.6	8
117	Label-Free Molecular Imaging of Biological Cells and Tissues by Linear and Nonlinear Raman Spectroscopic Approaches. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4392-4430	16.4	130
116	Surface-enhanced Raman spectroscopy of cell lysates mixed with silver nanoparticles for tumor classification. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 1183-1190	3	22
115	Evaluation of Shifted Excitation Raman Difference Spectroscopy and Comparison to Computational Background Correction Methods Applied to Biochemical Raman Spectra. <i>Sensors</i> , <b>2017</b> , 17,	3.8	30
114	Assessment of growth phases of the diatom <i>Ditylum brightwellii</i> by FT-IR and Raman spectroscopy. <i>Algal Research</i> , <b>2016</b> , 19, 246-252	5	18
113	Rapid acquisition of mean Raman spectra of eukaryotic cells for a robust single cell classification. <i>Analyst, The</i> , <b>2016</b> , 141, 6387-6395	5	30

112	Recognition of tumor cells by immuno-SERS-markers in a microfluidic chip at continuous flow. <i>Analyst, The</i> , <b>2016</b> , 141, 5986-5989	5	21
111	Raman-based identification of circulating tumor cells for cancer diagnosis <b>2016</b> ,		4
110	Modern trends in biophotonics for clinical diagnosis and therapy to solve unmet clinical needs. <i>Journal of Biophotonics</i> , <b>2016</b> , 9, 1362-1375	3.1	19
109	Design and first applications of a flexible Raman micro-spectroscopic system for biological imaging. <i>Biomedical Spectroscopy and Imaging</i> , <b>2016</b> , 5, 115-127	1.3	18
108	Cell classification with low-resolution Raman spectroscopy (LRRS). <i>Journal of Biophotonics</i> , <b>2016</b> , 9, 994-1000	3.0	15
107	Applications of coherent Raman scattering microscopies to clinical and biological studies. <i>Analyst, The</i> , <b>2015</b> , 140, 3897-909	5	46
106	Differentiation of MCF-7 tumor cells from leukocytes and fibroblast cells using epithelial cell adhesion molecule targeted multicore surface-enhanced Raman spectroscopy labels. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 55002	3.5	18
105	Combining multiset resolution and segmentation for hyperspectral image analysis of biological tissues. <i>Analytica Chimica Acta</i> , <b>2015</b> , 881, 24-36	6.6	30
104	Chemo-spectroscopic sensor for carboxyl terminus overexpressed in carcinoma cell membrane. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 1831-9	6	6
103	Classification and prediction of HCC tissues by Raman imaging with identification of fatty acids as potential lipid biomarkers. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>2015</b> , 141, 407-18	4.9	17
102	The many facets of Raman spectroscopy for biomedical analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 699-717	4.4	112
101	Raman spectroscopy analysis of lipid droplets content, distribution and saturation level in Non-Alcoholic Fatty Liver Disease in mice. <i>Journal of Biophotonics</i> , <b>2015</b> , 8, 597-609	3.1	39
100	FTIR microscopic imaging of carcinoma tissue section with 4 $\mu$ m and 15 $\mu$ m objectives: Practical considerations. <i>Biomedical Spectroscopy and Imaging</i> , <b>2015</b> , 4, 57-66	1.3	4
99	Magnetic apatite for structural insights on the plasma membrane. <i>Nanotechnology</i> , <b>2015</b> , 26, 035601	3.4	
98	Phenalenone-type phytoalexins mediate resistance of banana plants ( <i>Musa</i> spp.) to the burrowing nematode <i>Radopholus similis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 105-10	11.5	97
97	Complexity of fatty acid distribution inside human macrophages on single cell level using Raman micro-spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 7037-46	4.4	44
96	ATR-FTIR and Raman spectroscopy of primary and permanent teeth. <i>Biomedical Spectroscopy and Imaging</i> , <b>2014</b> , 3, 15-27	1.3	11
95	Molecular Pathology via Infrared and Raman Spectral Imaging <sup>1)</sup> <b>2014</b> , 45-102		2

94	Raman-Spectroscopy Based Cell Identification on a Microhole Array Chip. <i>Micromachines</i> , <b>2014</b> , 5, 204-215	3	9
93	Multimodal nonlinear imaging of atherosclerotic plaques differentiation of triglyceride and cholesterol deposits. <i>Journal of Innovative Optical Health Sciences</i> , <b>2014</b> , 07, 1450027	1.2	5
92	Vibrational Spectroscopic Imaging of Soft Tissue <b>2014</b> , 111-152		2
91	Membrane fouling from ammonia recovery analyzed by ATR-FTIR imaging. <i>Vibrational Spectroscopy</i> , <b>2014</b> , 72, 119-123	2.1	31
90	Fiber optic probes for linear and nonlinear Raman applications [Current trends and future development. <i>Laser and Photonics Reviews</i> , <b>2013</b> , 7, 698-731	8.3	58
89	Non-invasive depth profile imaging of the stratum corneum using confocal Raman microscopy: first insights into the method. <i>European Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 50, 601-8	5.1	39
88	Hyperspectral unmixing of Raman micro-images for assessment of morphological and chemical parameters in non-dried brain tumor specimens. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 8719-28	4.4	31
87	Tumor margin identification and prediction of the primary tumor from brain metastases using FTIR imaging and support vector machines. <i>Analyst, The</i> , <b>2013</b> , 138, 3983-90	5	62
86	Classification of Raman spectra of single cells with autofluorescence suppression by wavelength modulated excitation. <i>Analytical Methods</i> , <b>2013</b> , 5, 4608	3.2	19
85	Sample size planning for classification models. <i>Analytica Chimica Acta</i> , <b>2013</b> , 760, 25-33	6.6	243
84	Resonance Raman spectral imaging of intracellular uptake of $\beta$ -carotene loaded poly(D,L-lactide-co-glycolide) nanoparticles. <i>ChemPhysChem</i> , <b>2013</b> , 14, 155-61	3.2	19
83	Characterization of atherosclerotic plaque depositions by Raman and FTIR imaging. <i>Journal of Biophotonics</i> , <b>2013</b> , 6, 110-21	3.1	56
82	Raman Microscopy <b>2013</b> , 235		
81	Quartz microfluidic chip for tumour cell identification by Raman spectroscopy in combination with optical traps. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 2743-6	4.4	61
80	Raman-on-chip device and detection fibres with fibre Bragg grating for analysis of solutions and particles. <i>Lab on A Chip</i> , <b>2013</b> , 13, 1109-13	7.2	22
79	Multi-core fiber with integrated fiber Bragg grating for background free Raman sensing <b>2013</b> ,		1
78	In Vivo Brain Imaging and Diagnosis <b>2013</b> , 713		
77	Preparation and characterization of multicore SERS labels by controlled aggregation of gold nanoparticles. <i>Vibrational Spectroscopy</i> , <b>2012</b> , 60, 79-84	2.1	13

76	Investigation of adhesive dentin interfaces using Raman microspectroscopy and small angle X-ray scattering. <i>Journal of Raman Spectroscopy</i> , <b>2012</b> , 43, 6-15	2.3	10
75	Identification of primary tumors of brain metastases by Raman imaging and support vector machines. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2012</b> , 117, 224-232	3.8	60
74	Photocatalyst activation by intrinsic stimulation in TiO <sub>2</sub> BaTiO <sub>3</sub> . <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 1472	5.5	21
73	Advances in optical biopsy--correlation of malignancy and cell density of primary brain tumors using Raman microspectroscopic imaging. <i>Analyst, The</i> , <b>2012</b> , 137, 5533-7	5	57
72	In vivo characterization of atherosclerotic plaque depositions by Raman-probe spectroscopy and in vitro coherent anti-stokes Raman scattering microscopic imaging on a rabbit model. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7845-51	7.8	54
71	Raman and coherent anti-Stokes Raman scattering microspectroscopy for biomedical applications. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 040801	3.5	101
70	Noninvasive imaging of intracellular lipid metabolism in macrophages by Raman microscopy in combination with stable isotopic labeling. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 8549-56	7.8	83
69	Interpreting CARS images of tissue within the C-H-stretching region. <i>Journal of Biophotonics</i> , <b>2012</b> , 5, 729-33	3.1	35
68	Unsupervised unmixing of Raman microspectroscopic images for morphochemical analysis of non-dried brain tumor specimens. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 719-25	4.4	52
67	Liver dysfunction and phosphatidylinositol-3-kinase signalling in early sepsis: experimental studies in rodent models of peritonitis. <i>PLoS Medicine</i> , <b>2012</b> , 9, e1001338	11.6	111
66	Raman spectra of single cells with autofluorescence suppression by modulated wavelength excitation <b>2012</b> ,		1
65	Structural alterations in rat liver proteins due to streptozotocin-induced diabetes and the recovery effect of selenium: fourier transform infrared microspectroscopy and neural network study. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 076023	3.5	24
64	Multicore fiber with integrated fiber Bragg gratings for background-free Raman sensing. <i>Optics Express</i> , <b>2012</b> , 20, 20156-69	3.3	74
63	Raman-Spektroskopie Der Weg zu einer labelfreien biomedizinischen Diagnostik. <i>Endoskopie Heute</i> , <b>2012</b> , 25, 262-267		3
62	Raman spectroscopic imaging as complementary tool for histopathologic assessment of brain tumors <b>2012</b> ,		5
61	Classification of inflammatory bowel diseases by means of Raman spectroscopic imaging of epithelium cells. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 076030	3.5	53
60	Etaloning, fluorescence and ambient light suppression by modulated wavelength Raman spectroscopy. <i>Biomedical Spectroscopy and Imaging</i> , <b>2012</b> , 1, 383-389	1.3	17
59	Distribution of amygdalin in apricot ( <i>Prunus armeniaca</i> ) seeds studied by Raman microscopic imaging. <i>Applied Spectroscopy</i> , <b>2012</b> , 66, 644-9	3.1	14

58	Tumour cell identification by means of Raman spectroscopy in combination with optical traps and microfluidic environments. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1484-90	7.2	158
57	Nonlinear microscopy and infrared and Raman microspectroscopy for brain tumor analysis <b>2011</b> ,		1
56	Characterization of atherosclerotic plaque-depositions by infrared, Raman and CARS microscopy <b>2011</b> ,		4
55	Nonlinear optical imaging: toward chemical imaging during neurosurgery <b>2011</b> ,		1
54	Nonlinear microscopy, infrared, and Raman microspectroscopy for brain tumor analysis. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 021113	3.5	119
53	Biomedical Imaging Based on Vibrational Spectroscopy <b>2011</b> , 717-737		1
52	Development of a fiber-based Raman probe for clinical diagnostics <b>2011</b> ,		3
51	Modern Raman spectroscopy for biomedical applications. <i>Optik &amp; Photonik</i> , <b>2011</b> , 6, 24-28		16
50	Spectral unmixing and clustering algorithms for assessment of single cells by Raman microscopic imaging. <i>Theoretical Chemistry Accounts</i> , <b>2011</b> , 130, 1249-1260	1.9	118
49	Crisp and soft multivariate methods visualize individual cell nuclei in Raman images of liver tissue sections. <i>Vibrational Spectroscopy</i> , <b>2011</b> , 55, 90-100	2.1	45
48	Monitoring intra-cellular lipid metabolism in macrophages by Raman- and CARS-microscopy <b>2010</b> ,		7
47	Discriminating isogenic cancer cells and identifying altered unsaturated fatty acid content as associated with metastasis status, using k-means clustering and partial least squares-discriminant analysis of Raman maps. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 2797-802	7.8	76
46	FTIR, Raman, and CARS microscopic imaging for histopathologic assessment of brain tumors <b>2010</b> ,		2
45	Spatially resolved determination of the structure and composition of diatom cell walls by Raman and FTIR imaging. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 509-17	4.4	35
44	Raman spectroscopic imaging for in vivo detection of cerebral brain metastases. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 1707-13	4.4	127
43	Identification and differentiation of single cells from peripheral blood by Raman spectroscopic imaging. <i>Journal of Biophotonics</i> , <b>2010</b> , 3, 579-87	3.1	99
42	Multimodal imaging to study the morphochemistry of basal cell carcinoma. <i>Journal of Biophotonics</i> , <b>2010</b> , 3, 728-36	3.1	43
41	Disease recognition by infrared and Raman spectroscopy. <i>Journal of Biophotonics</i> , <b>2009</b> , 2, 13-28	3.1	222



40	A comparative Raman and CARS imaging study of colon tissue. <i>Journal of Biophotonics</i> , <b>2009</b> , 2, 303-12	3.1	91
39	Raman and FTIR imaging of lung tissue: bronchopulmonary sequestration. <i>Journal of Raman Spectroscopy</i> , <b>2009</b> , 40, 595-603	2.3	14
38	Suitability of infrared spectroscopic imaging as an intraoperative tool in cerebral glioma surgery. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 187-95	4.4	31
37	Characterization of lipid extracts from brain tissue and tumors using Raman spectroscopy and mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 1513-20	4.4	75
36	Quantification of brain lipids by FTIR spectroscopy and partial least squares regression. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 71, 2069-75	4.4	92
35	Raman and CARS microspectroscopy of cells and tissues. <i>Analyst, The</i> , <b>2009</b> , 134, 1046-57	5	229
34	Raman mapping and FTIR imaging of lung tissue: congenital cystic adenomatoid malformation. <i>Analyst, The</i> , <b>2008</b> , 133, 361-71	5	51
33	Neuro-oncological Applications of Infrared and Raman Spectroscopy <b>2008</b> ,		3
32	Spatial distribution of heme species in erythrocytes infected with Plasmodium falciparum by use of resonance Raman imaging and multivariate analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 392, 1277-82	4.4	34
31	Raman and FTIR microscopic imaging of colon tissue: a comparative study. <i>Journal of Biophotonics</i> , <b>2008</b> , 1, 154-69	3.1	94
30	High-impact sulfur compounds: constitutional and configurational assignment of sulfur-containing heterocycles. <i>Chemistry and Biodiversity</i> , <b>2008</b> , 5, 1204-12	2.5	6
29	Raman and FTIR imaging of lung tissue: Methodology for control samples. <i>Vibrational Spectroscopy</i> , <b>2008</b> , 46, 141-149	2.1	28
28	Differentiation of individual human mesenchymal stem cells probed by FTIR microscopic imaging. <i>Analyst, The</i> , <b>2007</b> , 132, 647-53	5	56
27	Determination of configurational isomers in cyclic polysulfides by Raman spectroscopy. <i>Vibrational Spectroscopy</i> , <b>2007</b> , 43, 49-52	2.1	6
26	Unrealistic expectations for IR microspectroscopic imaging. <i>Nature Biotechnology</i> , <b>2007</b> , 25, 29-31; author reply 31-3	44.5	3
25	Classification of malignant gliomas by infrared spectroscopic imaging and linear discriminant analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 1669-77	4.4	63
24	Methodology for fiber-optic Raman mapping and FTIR imaging of metastases in mouse brains. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 1133-42	4.4	94
23	Fast and Objective Classification of Tumor Tissue by Optical Vibrational Spectroscopy <b>2007</b> , 378-383		



22	Delimitation of squamous cell cervical carcinoma using infrared microspectroscopic imaging. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 384, 145-54	4.4	72
21	Classification of malignant gliomas by infrared spectroscopy and linear discriminant analysis. <i>Biopolymers</i> , <b>2006</b> , 82, 301-5	2.2	59
20	Raman and infrared spectroscopic mapping of human primary intracranial tumors: a comparative study. <i>Journal of Raman Spectroscopy</i> , <b>2006</b> , 37, 367-375	2.3	67
19	Identification of primary tumors of brain metastases by infrared spectroscopic imaging and linear discriminant analysis. <i>Technology in Cancer Research and Treatment</i> , <b>2006</b> , 5, 291-8	2.7	37
18	Studies on stress-induced changes at the subcellular level by Raman microspectroscopic mapping. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 4424-9	7.8	112
17	Identification of primary tumors of brain metastases by SIMCA classification of IR spectroscopic images. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 883-91	3.8	77
16	Near infrared Raman spectroscopic mapping of native brain tissue and intracranial tumors. <i>Analyst, The</i> , <b>2005</b> , 130, 1070-7	5	125
15	Near infrared Raman spectra of human brain lipids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2005</b> , 61, 1529-35	4.4	368
14	Identification of organelles and vesicles in single cells by Raman microspectroscopic mapping. <i>Vibrational Spectroscopy</i> , <b>2005</b> , 38, 85-93	2.1	78
13	Identification of B and T cells in human spleen sections by infrared microspectroscopic imaging. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2005</b> , 64, 53-61	4.6	27
12	Bioanalytical applications of Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 60-24.4	55	
11	Analysis of human brain tissue, brain tumors and tumor cells by infrared spectroscopic mapping. <i>Analyst, The</i> , <b>2004</b> , 129, 921-5	5	67
10	Mapping of single cells by near infrared Raman microspectroscopy. <i>Vibrational Spectroscopy</i> , <b>2003</b> , 32, 75-83	2.1	149
9	Near-infrared Raman spectroscopy to study the composition of human brain tissue and tumors <b>2003</b> ,		9
8	Secondary structure polymorphism in Oxytricha nova telomeric DNA. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, 3981-91	20.1	50
7	The C-terminal subdomain (IF2 C-2) contains the entire fMet-tRNA binding site of initiation factor IF2. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 2447-54	5.4	54
6	Structural heterogeneity in intramolecular DNA triple helices. <i>Biological Chemistry</i> , <b>2000</b> , 381, 275-83	4.5	4
5	Interaction of fMet-tRNA(fMet) with the C-terminal domain of translational initiation factor IF2 from Bacillus stearothermophilus. <i>FEBS Letters</i> , <b>2000</b> , 471, 128-32	3.8	20

4	Preliminary characterization by X-ray diffraction and Raman spectroscopy of a crystalline complex of <i>Bacillus stearothermophilus</i> initiation factor 2 C-domain and fMet-tRNA <sup>fMet</sup> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1999</b> , 55, 712-6		5
3	The fMet-tRNA binding domain of translational initiation factor IF2: role and environment of its two Cys residues. <i>FEBS Letters</i> , <b>1999</b> , 459, 332-6	3.8	10
2	Translational initiation factor IF2 from <i>Bacillus stearothermophilus</i> : a spectroscopic and microcalorimetric study of the C-domain. <i>Biochemistry</i> , <b>1997</b> , 36, 3170-8	3.2	17
1	Vibrational Spectroscopic Imaging of Soft Tissue		2