

Piotr Widlak

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129
papers

3,488
citations

31
h-index

54
g-index

139
ext. papers

3,950
ext. citations

5
avg, IF

5.41
L-index

#	Paper	IF	Citations
129	The 40-kDa subunit of DNA fragmentation factor induces DNA fragmentation and chromatin condensation during apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 8461-6	11.5	474
128	Discovery, regulation, and action of the major apoptotic nucleases DFF40/CAD and endonuclease G. <i>Journal of Cellular Biochemistry</i> , 2005 , 94, 1078-87	4.7	185
127	Activation of the apoptotic endonuclease DFF40 (caspase-activated DNase or nuclease). Oligomerization and direct interaction with histone H1. <i>Journal of Biological Chemistry</i> , 1999 , 274, 13836-40	5.4	137
126	Action of recombinant human apoptotic endonuclease G on naked DNA and chromatin substrates: cooperation with exonuclease and DNase I. <i>Journal of Biological Chemistry</i> , 2001 , 276, 48404-9	5.4	134
125	Cleavage preferences of the apoptotic endonuclease DFF40 (caspase-activated DNase or nuclease) on naked DNA and chromatin substrates. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8226-32	5.4	133
124	Proteomic analysis of exosomal cargo: the challenge of high purity vesicle isolation. <i>Molecular BioSystems</i> , 2016 , 12, 1407-19		119
123	Association between single-nucleotide polymorphisms of selected genes involved in the response to DNA damage and risk of colon, head and neck, and breast cancers in a Polish population. <i>Journal of Applied Genetics</i> , 2010 , 51, 343-52	2.5	82
122	The Influence of Ionizing Radiation on Exosome Composition, Secretion and Intercellular Communication. <i>Protein and Peptide Letters</i> , 2016 , 23, 656-63	1.9	80
121	Regulation of the human apoptotic DNase/RNase endonuclease G: involvement of Hsp70 and ATP. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005 , 10, 821-30	5.4	71
120	Bulky DNA adducts in human sperm: relationship with fertility, semen quality, smoking, and environmental factors. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003 , 537, 53-65	3	67
119	Curcumin induces caspase-3-dependent apoptotic pathway but inhibits DNA fragmentation factor 40/caspase-activated DNase endonuclease in human Jurkat cells. <i>Molecular Cancer Therapeutics</i> , 2006 , 5, 927-34	6.1	65
118	Roles of the major apoptotic nuclease-DNA fragmentation factor-in biology and disease. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 263-74	10.3	64
117	FDXR is a biomarker of radiation exposure in vivo. <i>Scientific Reports</i> , 2018 , 8, 684	4.9	60
116	Ionizing radiation affects protein composition of exosomes secreted in vitro from head and neck squamous cell carcinoma. <i>Acta Biochimica Polonica</i> , 2015 , 62, 265-72	2	53
115	A recombination silencer that specifies heterochromatin positioning and ikaros association in the immunoglobulin kappa locus. <i>Immunity</i> , 2006 , 24, 405-15	32.3	53
114	The histone H1 C-terminal domain binds to the apoptotic nuclease, DNA fragmentation factor (DFF40/CAD) and stimulates DNA cleavage. <i>Biochemistry</i> , 2005 , 44, 7871-8	3.2	52
113	Mass spectrometry-based serum proteome pattern analysis in molecular diagnostics of early stage breast cancer. <i>Journal of Translational Medicine</i> , 2009 , 7, 60	8.5	46

112	Spermatocyte-specific expression of constitutively active heat shock factor 1 induces HSP70i-resistant apoptosis in male germ cells. <i>Cell Death and Differentiation</i> , 2006 , 13, 212-22	12.7	46
111	Proteome Profiling of Exosomes Purified from a Small Amount of Human Serum: The Problem of Co-Purified Serum Components. <i>Proteomes</i> , 2019 , 7,	4.6	44
110	DNA adducts caused by tamoxifen and toremifene in human microsomal system and lymphocytes in vitro. <i>Carcinogenesis</i> , 1995 , 16, 1661-4	4.6	43
109	In vitro chromatin assembly of the HIV-1 promoter. ATP-dependent polar repositioning of nucleosomes by Sp1 and NFkappaB. <i>Journal of Biological Chemistry</i> , 1997 , 272, 17654-61	5.4	42
108	Metabolome of Exosomes: Focus on Vesicles Released by Cancer Cells and Present in Human Body Fluids. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	41
107	Heat shock transcription factor 1 down-regulates spermatocyte-specific 70 kDa heat shock protein expression prior to the induction of apoptosis in mouse testes. <i>Genes To Cells</i> , 2007 , 12, 487-99	2.3	37
106	Ionic and cofactor requirements for the activity of the apoptotic endonuclease DFF40/CAD. <i>Molecular and Cellular Biochemistry</i> , 2001 , 218, 125-30	4.2	36
105	Detection of metabolites discriminating subtypes of thyroid cancer: Molecular profiling of FFPE samples using the GC/MS approach. <i>Molecular and Cellular Endocrinology</i> , 2015 , 417, 149-57	4.4	35
104	Low back-pressure hierarchically structured multichannel microfluidic bioreactors for rapid protein digestion [Proof of concept]. <i>Chemical Engineering Journal</i> , 2016 , 287, 148-154	14.7	34
103	Systemic effects of ionizing radiation at the proteome and metabolome levels in the blood of cancer patients treated with radiotherapy: the influence of inflammation and radiation toxicity. <i>International Journal of Radiation Biology</i> , 2017 , 93, 683-696	2.9	33
102	Serum lipid profile discriminates patients with early lung cancer from healthy controls. <i>Lung Cancer</i> , 2017 , 112, 69-74	5.9	33
101	Modeling apoptotic chromatin condensation in normal cell nuclei. Requirement for intranuclear mobility and actin involvement. <i>Journal of Biological Chemistry</i> , 2002 , 277, 21683-90	5.4	33
100	Subunit structures and stoichiometries of human DNA fragmentation factor proteins before and after induction of apoptosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 26915-22	5.4	32
99	Tissue fixed with formalin and processed without paraffin embedding is suitable for imaging of both peptides and lipids by MALDI-IMS. <i>Proteomics</i> , 2016 , 16, 1670-7	4.8	32
98	An Optimized Method of Metabolite Extraction from Formalin-Fixed Paraffin-Embedded Tissue for GC/MS Analysis. <i>PLoS ONE</i> , 2015 , 10, e0136902	3.7	30
97	Application of metabolomics in thyroid cancer research. <i>International Journal of Endocrinology</i> , 2015 , 2015, 258763	2.7	29
96	Ionizing radiation affects the composition of the proteome of extracellular vesicles released by head-and-neck cancer cells in vitro. <i>Journal of Radiation Research</i> , 2019 , 60, 289-297	2.4	28
95	Signal Partitioning Algorithm for Highly Efficient Gaussian Mixture Modeling in Mass Spectrometry. <i>PLoS ONE</i> , 2015 , 10, e0134256	3.7	28

94	Crosstalk between HSF1 and HSF2 during the heat shock response in mouse testes. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 57, 76-83	5.6	27
93	MS-Based Proteomic Analysis of Serum and Plasma: Problem of High Abundant Components and Lights and Shadows of Albumin Removal. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1073, 57-76	3.6	26
92	Active heat shock transcription factor 1 supports migration of the melanoma cells via vinculin down-regulation. <i>Cellular Signalling</i> , 2015 , 27, 394-401	4.9	26
91	Molecular profiles of thyroid cancer subtypes: Classification based on features of tissue revealed by mass spectrometry imaging. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 837-845 ⁴		25
90	Cancer biomarkers and mass spectrometry-based analyses of phospholipids in body fluids. <i>Clinical Lipidology</i> , 2013 , 8, 137-150		23
89	Global survey of chromatin accessibility using DNA microarrays. <i>Genome Research</i> , 2004 , 14, 1374-81	9.7	23
88	Serum Proteome Signature of Radiation Response: Upregulation of Inflammation-Related Factors and Downregulation of Apolipoproteins and Coagulation Factors in Cancer Patients Treated With Radiation Therapy--A Pilot Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 92, 1108-1115	4	21
87	Radiation-induced changes in serum lipidome of head and neck cancer patients. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 6609-24	6.3	21
86	The role of chromatin proteins in DNA damage recognition and repair. <i>Histochemistry and Cell Biology</i> , 2006 , 125, 119-26	2.4	21
85	Different Types of Cellular Stress Affect the Proteome Composition of Small Extracellular Vesicles: A Mini Review. <i>Proteomes</i> , 2019 , 7,	4.6	20
84	Proteomes of exosomes from HPV(+) or HPV(-) head and neck cancer cells: differential enrichment in immunoregulatory proteins. <i>Oncolmmunology</i> , 2019 , 8, 1593808	7.2	20
83	Mass spectrometry-based analysis of therapy-related changes in serum proteome patterns of patients with early-stage breast cancer. <i>Journal of Translational Medicine</i> , 2010 , 8, 66	8.5	20
82	Detection of molecular signatures of oral squamous cell carcinoma and normal epithelium - application of a novel methodology for unsupervised segmentation of imaging mass spectrometry data. <i>Proteomics</i> , 2016 , 16, 1613-21	4.8	20
81	Serum mass profile signature as a biomarker of early lung cancer. <i>Lung Cancer</i> , 2016 , 99, 46-52	5.9	20
80	Panel of serum metabolites discriminates cancer patients and healthy participants of lung cancer screening - a pilot study. <i>Acta Biochimica Polonica</i> , 2017 , 64, 513-518	2	19
79	Harmonization of exosome isolation from culture supernatants for optimized proteomics analysis. <i>PLoS ONE</i> , 2018 , 13, e0205496	3.7	19
78	Isolation of Exosomes for the Purpose of Protein Cargo Analysis with the Use of Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017 , 1654, 291-307	1.4	18
77	Cardiac endothelial cells isolated from mouse heart - a novel model for radiobiology.. <i>Acta Biochimica Polonica</i> , 2011 , 58,	2	18

76	Discrimination of normal oral mucosa from oral cancer by mass spectrometry imaging of proteins and lipids. <i>Journal of Molecular Histology</i> , 2019 , 50, 1-10	3.3	18
75	Radiotherapy-Induced Changes in the Systemic Immune and Inflammation Parameters of Head and Neck Cancer Patients. <i>Cancers</i> , 2019 , 11,	6.6	17
74	Unique features of the apoptotic endonuclease DFF40/CAD relative to micrococcal nuclease as a structural probe for chromatin. <i>Biochemistry and Cell Biology</i> , 2006 , 84, 405-10	3.6	17
73	Discrimination of papillary thyroid cancer from non-cancerous thyroid tissue based on lipid profiling by mass spectrometry imaging. <i>Endokrynologia Polska</i> , 2018 , 69, 2-8	1.1	17
72	Circulating HPV16 DNA may complement imaging assessment of early treatment efficacy in patients with HPV-positive oropharyngeal cancer. <i>Journal of Translational Medicine</i> , 2020 , 18, 167	8.5	17
71	Radiation-related changes in serum proteome profiles detected by mass spectrometry in blood of patients treated with radiotherapy due to larynx cancer. <i>Journal of Radiation Research</i> , 2011 , 52, 575-81	2.4	16
70	NF- κ B signaling pathway is inhibited by heat shock independently of active transcription factor HSF1 and increased levels of inducible heat shock proteins. <i>Genes To Cells</i> , 2011 , 16, 1168-75	2.3	16
69	The major apoptotic endonuclease DFF40/CAD is a deoxyribose-specific and double-strand-specific enzyme. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008 , 13, 377-82	5.4	16
68	Pro-inflammatory cytokine and high doses of ionizing radiation have similar effects on the expression of NF- κ B-dependent genes. <i>Cellular Signalling</i> , 2018 , 46, 23-31	4.9	15
67	Influence of Confounding Factors on Radiation Dose Estimation Using In Vivo Validated Transcriptional Biomarkers. <i>Health Physics</i> , 2018 , 115, 90-101	2.3	15
66	Identification of serum proteome signatures of locally advanced and metastatic gastric cancer: a pilot study. <i>Journal of Translational Medicine</i> , 2015 , 13, 304	8.5	15
65	MALDI-MS-Based Profiling of Serum Proteome: Detection of Changes Related to Progression of Cancer and Response to Anticancer Treatment. <i>International Journal of Proteomics</i> , 2012 , 2012, 926427		15
64	Proteome profiles of different types of thyroid cancers. <i>Molecular and Cellular Endocrinology</i> , 2018 , 472, 68-79	4.4	15
63	TNF α -induced activation of NF κ B protects against UV-induced apoptosis specifically in p53-proficient cells.. <i>Acta Biochimica Polonica</i> , 2008 , 55, 741-748	2	14
62	Changes of protein glycosylation in the course of radiotherapy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 118, 380-386	3.5	13
61	Cross talk between cytokine and hyperthermia-induced pathways: identification of different subsets of NF- κ B-dependent genes regulated by TNF α and heat shock. <i>Molecular Genetics and Genomics</i> , 2015 , 290, 1979-90	3.1	13
60	The apoptotic endonuclease DFF40/CAD is inhibited by RNA, heparin and other polyanions. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006 , 11, 1331-7	5.4	13
59	High mobility group 1 and 2 proteins bind preferentially to DNA that contains bulky adducts induced by benzo[a]pyrene diol epoxide and N-acetoxy-acetylaminofluorene. <i>Cancer Letters</i> , 2000 , 158, 17-25	9.9	13

58	MicroRNA Profile of Exosomes and Parental Cells is Differently Affected by Ionizing Radiation. <i>Radiation Research</i> , 2020 , 194, 133-142	3.1	13
57	Signaling of Tumor-Derived sEV Impacts Melanoma Progression. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
56	Engineered apoptotic nucleases for chromatin research. <i>Nucleic Acids Research</i> , 2007 , 35, e93	20.1	12
55	Proteomic profile of melanoma cell-derived small extracellular vesicles in patients' plasma: a potential correlate of melanoma progression. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12063	16.4	12
54	RRAD, IL4I1, CDKN1A, and SERPINE1 genes are potentially co-regulated by NF- κ B and p53 transcription factors in cells exposed to high doses of ionizing radiation. <i>BMC Genomics</i> , 2018 , 19, 813	4.5	12
53	Irradiation with UV-C inhibits TNF- α -dependent activation of the NF- κ B pathway in a mechanism potentially mediated by reactive oxygen species. <i>Genes To Cells</i> , 2017 , 22, 45-58	2.3	10
52	High levels of bulky DNA adducts in human sperm correlate with impaired fertility.. <i>Acta Biochimica Polonica</i> , 2003 , 50, 197-203	2	10
51	Support Vector Machines in Biomedical and Biometrical Applications. <i>Smart Innovation, Systems and Technologies</i> , 2013 , 379-417	0.5	10
50	Metabolic Profiles of Whole Serum and Serum-Derived Exosomes Are Different in Head and Neck Cancer Patients Treated by Radiotherapy. <i>Journal of Personalized Medicine</i> , 2020 , 10,	3.6	10
49	Serum Exosomes and Their miRNA Load-A Potential Biomarker of Lung Cancer. <i>Cancers</i> , 2021 , 13,	6.6	10
48	Metabolome-based biomarkers: their potential role in the early detection of lung cancer. <i>Wspolczesna Onkologia</i> , 2018 , 22, 135-140	1	10
47	Molecular Heterogeneity of Papillary Thyroid Cancer: Comparison of Primary Tumors and Synchronous Metastases in Regional Lymph Nodes by Mass Spectrometry Imaging. <i>Endocrine Pathology</i> , 2019 , 30, 250-261	4.2	9
46	Association between plasma proteome profiles analysed by mass spectrometry, a lymphocyte-based DNA-break repair assay and radiotherapy-induced acute mucosal reaction in head and neck cancer patients. <i>International Journal of Radiation Biology</i> , 2011 , 87, 711-9	2.9	9
45	Comparison of peptide cancer signatures identified by mass spectrometry in serum of patients with head and neck, lung and colorectal cancers: association with tumor progression. <i>International Journal of Oncology</i> , 2012 , 40, 148-56	4.4	9
44	N-nitrosodimethylamine and 7-methylguanine DNA adducts in tissues of rats fed Chinese salted fish. <i>Cancer Letters</i> , 1995 , 94, 85-90	9.9	9
43	High mobility group proteins stimulate DNA cleavage by apoptotic endonuclease DFF40/CAD due to HMG-box interactions with DNA.. <i>Acta Biochimica Polonica</i> , 2008 , 55, 21-26	2	9
42	Systemic Effects of Radiotherapy and Concurrent Chemo-Radiotherapy in Head and Neck Cancer Patients-Comparison of Serum Metabolome Profiles. <i>Metabolites</i> , 2020 , 10,	5.6	8
41	Pro-death signaling of cytoprotective heat shock factor 1: upregulation of NOXA leading to apoptosis in heat-sensitive cells. <i>Cell Death and Differentiation</i> , 2020 , 27, 2280-2292	12.7	8

40	Radiotherapy-related changes in serum proteome patterns of head and neck cancer patients; the effect of low and medium doses of radiation delivered to large volumes of normal tissue. <i>Journal of Translational Medicine</i> , 2013 , 11, 299	8.5	8
39	Ionizing radiation affects profile of serum metabolites: increased level of 3-hydroxybutyric acid in serum of cancer patients treated with radiotherapy. <i>Acta Biochimica Polonica</i> , 2017 , 64, 189-193	2	8
38	Metabolomic Signature Discriminates Normal Human Cornea from Keratoconus-A Pilot GC/MS Study. <i>Molecules</i> , 2020 , 25,	4.8	7
37	The truncation of Ku86 in human lymphocytes. <i>Cancer Letters</i> , 2004 , 205, 197-205	9.9	7
36	32P-postlabelling of bulky human DNA adducts enriched by different methods including immunoaffinity chromatography. <i>Chemico-Biological Interactions</i> , 1996 , 99, 99-107	5	7
35	Heart irradiation reduces microvascular density and accumulation of HSPA1 in mice. <i>Strahlentherapie Und Onkologie</i> , 2018 , 194, 235-242	4.3	7
34	Cardiac endothelial cells isolated from mouse heart - a novel model for radiobiology. <i>Acta Biochimica Polonica</i> , 2011 , 58, 397-404	2	7
33	Long-term effects of low-dose mouse liver irradiation involve ultrastructural and biochemical changes in hepatocytes that depend on lipid metabolism. <i>Radiation and Environmental Biophysics</i> , 2018 , 57, 123-132	2	5
32	Initializing the EM Algorithm for Univariate Gaussian, Multi-Component, Heteroscedastic Mixture Models by Dynamic Programming Partitions. <i>International Journal of Computational Methods</i> , 2018 , 15, 1850012	1.1	5
31	Mitochondrial transcription factor A is the major protein in rodent hepatocytes that recognizes DNA lesions induced by N-acetoxy-acetylaminofluorene.. <i>Acta Biochimica Polonica</i> , 2006 , 53, 777-782	2	5
30	Classification of Thyroid Tumors Based on Mass Spectrometry Imaging of Tissue Microarrays; a Single-Pixel Approach. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
29	The Lipid Composition of Serum-Derived Small Extracellular Vesicles in Participants of a Lung Cancer Screening Study. <i>Cancers</i> , 2021 , 13,	6.6	5
28	Serum Metabolite Profiles in Participants of Lung Cancer Screening Study; Comparison of Two Independent Cohorts. <i>Cancers</i> , 2021 , 13,	6.6	4
27	Intra-Tumor Heterogeneity Revealed by Mass Spectrometry Imaging Is Associated with the Prognosis of Breast Cancer. <i>Cancers</i> , 2021 , 13,	6.6	4
26	Gaussian Mixture Decomposition of Time-Course DNA Microarray Data 2007 , 351-359		4
25	Changes in activity and structure of lysosomes from liver of mouse irradiated in vivo. <i>International Journal of Radiation Biology</i> , 2018 , 94, 443-453	2.9	3
24	The non-random distribution of UV-induced photoproducts in the nuclear matrix and non-matrix DNA fractions. <i>Cancer Letters</i> , 1996 , 108, 215-23	9.9	3
23	Heat shock response regulates stimulus-specificity and sensitivity of the pro-inflammatory NF-B signalling. <i>Cell Communication and Signaling</i> , 2020 , 18, 77	7.5	3

22	Modeling of Imaging Mass Spectrometry Data and Testing by Permutation for Biomarkers Discovery in Tissues. <i>Procedia Computer Science</i> , 2015 , 51, 693-702	1.6	2
21	SPEN protein expression and interactions with chromatin in mouse testicular cells. <i>Reproduction</i> , 2018 , 156, 195-206	3.8	2
20	Formation of UV-photoadducts during DNA purification. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995 , 347, 117-9		2
19	Partial hepatectomy of rats 3 weeks before or simultaneously with 2-aminofluorene injection can affect the amounts of adducts induced in hepatic DNA. <i>Carcinogenesis</i> , 1993 , 14, 2427-9	4.6	2
18	DNA repair is less efficient in the nuclear matrix than in non-matrix nuclear fractions in the liver of rats treated with 2-aminofluorene. <i>Cancer Letters</i> , 1994 , 78, 115-20	9.9	2
17	Identification of serum proteome components associated with progression of non-small cell lung cancer.. <i>Acta Biochimica Polonica</i> , 2014 , 61,	2	2
16	Regulation and action of the major apoptotic nucleases: DFF40/CAD and Endonuclease G. <i>FASEB Journal</i> , 2006 , 20, A119	0.9	2
15	Resveratrol administration prevents radiation-related changes in metabolic profiles of hearts 20 weeks after irradiation of mice with a single 2 Gy dose. <i>Acta Biochimica Polonica</i> , 2020 , 67, 629-632	2	2
14	Prognostic significance of Epstein-Barr virus viral load in patients with T1-T2 nasopharyngeal cancer. <i>Journal of Medical Virology</i> , 2020 , 92, 348-355	19.7	2
13	Therapy-Related Changes in the Serum Proteome Patterns of Early Stage Breast Cancer Patients with Different Outcomes. <i>Protein and Peptide Letters</i> , 2017 , 24, 37-45	1.9	2
12	Aging-Related Changes in the Ultrastructure of Hepatocytes and Cardiomyocytes of Elderly Mice Are Enhanced in ApoE-Deficient Animals. <i>Cells</i> , 2021 , 10,	7.9	2
11	Crosstalk between stress-induced NF- κ B, p53 and HSF1 signaling pathways [Review.. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 11518-11523		1
10	Partial-Body Irradiation in Patients with Prostate Cancer Treated with IMRT Has Little Effect on the Composition of Serum Proteome. <i>Proteomes</i> , 2015 , 3, 117-131	4.6	1
9	Optimizing of MALDI-ToF-based low-molecular-weight serum proteome pattern analysis in detection of breast cancer patients; the effect of albumin removal on classification performance. <i>Neoplasma</i> , 2010 , 57, 537-44	3.3	1
8	On Stability of Feature Selection Based on MALDI Mass Spectrometry Imaging Data and Simulated Biopsy. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 82-93	0.4	1
7	Analyze of Maldi-TOF Proteomic Spectra with Usage of Mixture of Gaussian Distributions. <i>Advances in Intelligent and Soft Computing</i> , 2009 , 113-120		1
6	PHLDA1 Does Not Contribute Directly to Heat Shock-Induced Apoptosis of Spermatocytes. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	1
5	A Novel Divisive iK-Means Algorithm with Region-Driven Feature Selection as a Tool for Automated Detection of Tumour Heterogeneity in MALDI IMS Experiments. <i>Lecture Notes in Computer Science</i> , 2016 , 113-124	0.9	1

- 4 The mutation profile of differentiated thyroid cancer coexisting with undifferentiated anaplastic cancer resembles that of anaplastic thyroid cancer but not that of archetypal differentiated thyroid cancer. *Journal of Applied Genetics*, **2021**, 62, 115-120 2.5 0
- 3 MALDI Imaging Mass Spectrometry – A Novel Approach in Biomedical Research of Tissues. *Current Proteomics*, **2013**, 10, 76-82 0.7
- 2 Least Squares Estimators of Peptide Species Concentrations Based on Gaussian Mixture Decompositions of Protein Mass Spectra. *Springer Proceedings in Mathematics and Statistics*, **2015**, 425-432 0.2
- 1 Dose-dependence of radiotherapy-induced changes in serum levels of choline-containing phospholipids; the importance of lower doses delivered to large volumes of normal tissues. *Strahlentherapie Und Onkologie*, **2021**, 197, 926-934 4.3