

# Umberto Malapelle

## List of Publications by Citations

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**Version:** 2024-04-25

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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.

217  
papers

3,582  
citations

33  
h-index

46  
g-index

249  
ext. papers

4,932  
ext. citations

4  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
217	CBX7 is a tumor suppressor in mice and humans. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 612-23	15.9	114
216	Profile of the Roche cobas <sup>®</sup> EGFR mutation test v2 for non-small cell lung cancer. <i>Expert Review of Molecular Diagnostics</i> , <b>2017</b> , 17, 209-215	3.8	99
215	Development of a gene panel for next-generation sequencing of clinically relevant mutations in cell-free DNA from cancer patients. <i>British Journal of Cancer</i> , <b>2017</b> , 116, 802-810	8.7	93
214	SMO Gene Amplification and Activation of the Hedgehog Pathway as Novel Mechanisms of Resistance to Anti-Epidermal Growth Factor Receptor Drugs in Human Lung Cancer. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 4686-97	12.9	93
213	Sphingosine kinase 1 overexpression contributes to cetuximab resistance in human colorectal cancer models. <i>Clinical Cancer Research</i> , <b>2013</b> , 19, 138-47	12.9	77
212	Next generation sequencing techniques in liquid biopsy: focus on non-small cell lung cancer patients. <i>Translational Lung Cancer Research</i> , <b>2016</b> , 5, 505-510	4.4	75
211	Ion Torrent next-generation sequencing for routine identification of clinically relevant mutations in colorectal cancer patients. <i>Journal of Clinical Pathology</i> , <b>2015</b> , 68, 64-8	3.9	67
210	Next-generation sequencing of lung cancer EGFR exons 18-21 allows effective molecular diagnosis of small routine samples (cytology and biopsy). <i>PLoS ONE</i> , <b>2013</b> , 8, e83607	3.7	67
209	Challenges and opportunities of next-generation sequencing: a cytopathologist's perspective. <i>Cytopathology</i> , <b>2015</b> , 26, 271-83	1.3	61
208	EGFR and KRAS mutations detection on lung cancer liquid-based cytology: a pilot study. <i>Journal of Clinical Pathology</i> , <b>2012</b> , 65, 87-91	3.9	60
207	EGFR mutations detected on cytology samples by a centralized laboratory reliably predict response to gefitinib in non-small cell lung carcinoma patients. <i>Cancer Cytopathology</i> , <b>2013</b> , 121, 552-60	3.9	58
206	Less frequently mutated genes in colorectal cancer: evidences from next-generation sequencing of 653 routine cases. <i>Journal of Clinical Pathology</i> , <b>2016</b> , 69, 767-71	3.9	56
205	The significance of epidermal growth factor receptor uncommon mutations in non-small cell lung cancer: A systematic review and critical appraisal. <i>Cancer Treatment Reviews</i> , <b>2020</b> , 85, 101994	14.4	51
204	Liquid Biopsy for Advanced NSCLC: A Consensus Statement From the International Association for the Study of Lung Cancer. <i>Journal of Thoracic Oncology</i> , <b>2021</b> , 16, 1647-1662	8.9	48
203	Analysis of differential miRNA expression in primary tumor and stroma of colorectal cancer patients. <i>BioMed Research International</i> , <b>2014</b> , 2014, 840921	3	46
202	Cytology-based gene mutation tests to predict response to anti-epidermal growth factor receptor therapy: a review. <i>Diagnostic Cytopathology</i> , <b>2011</b> , 39, 703-10	1.4	46
201	Prospective detection of mutations in cerebrospinal fluid, pleural effusion, and ascites of advanced cancer patients to guide treatment decisions. <i>Molecular Oncology</i> , <b>2019</b> , 13, 2633-2645	7.9	45

200	How to prepare cytological samples for molecular testing. <i>Journal of Clinical Pathology</i> , <b>2017</b> , 70, 819-826	4.9	44
199	Consistency and reproducibility of next-generation sequencing and other multigene mutational assays: A worldwide ring trial study on quantitative cytological molecular reference specimens. <i>Cancer Cytopathology</i> , <b>2017</b> , 125, 615-626	3.9	43
198	Noninvasive Biomarkers of Colorectal Cancer: Role in Diagnosis and Personalised Treatment Perspectives. <i>Gastroenterology Research and Practice</i> , <b>2018</b> , 2018, 2397863	2	43
197	USP7 inhibitors, downregulating CCDC6, sensitize lung neuroendocrine cancer cells to PARP-inhibitor drugs. <i>Lung Cancer</i> , <b>2017</b> , 107, 41-49	5.9	41
196	Challenges and opportunities of cfDNA analysis implementation in clinical practice: Perspective of the International Society of Liquid Biopsy (ISLB). <i>Critical Reviews in Oncology/Hematology</i> , <b>2020</b> , 151, 102978	7	39
195	Liquid Biopsy and Lung Cancer. <i>Acta Cytologica</i> , <b>2019</b> , 63, 489-496	3	39
194	An update on liquid biopsy analysis for diagnostic and monitoring applications in non-small cell lung cancer. <i>Expert Review of Molecular Diagnostics</i> , <b>2018</b> , 18, 35-45	3.8	38
193	The molecular profiling of solid tumors by liquid biopsy: a position paper of the AIOM-SIAPEC-IAP-SIBioC-SIC-SIF Italian Scientific Societies. <i>ESMO Open</i> , <b>2021</b> , 6, 100164	6	38
192	mutation detection on lung cancer cytological specimens by the novel fully automated PCR-based Idylla Mutation Assay. <i>Journal of Clinical Pathology</i> , <b>2017</b> , 70, 295-300	3.9	37
191	Class 1, 2, and 3 -Mutated Metastatic Colorectal Cancer: A Detailed Clinical, Pathologic, and Molecular Characterization. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 3954-3961	12.9	36
190	Targeting immune checkpoints in non small cell lung cancer. <i>Current Opinion in Pharmacology</i> , <b>2018</b> , 40, 46-50	5.1	36
189	Applications and limitations of oncogene mutation testing in clinical cytopathology. <i>Seminars in Diagnostic Pathology</i> , <b>2013</b> , 30, 284-97	4.3	35
188	Next Generation Sequencing and Genetic Alterations in Squamous Cell Lung Carcinoma: Where Are We Today?. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 166	5.3	34
187	Liquid biopsy tracking of lung tumor evolutions over time. <i>Expert Review of Molecular Diagnostics</i> , <b>2019</b> , 19, 1099-1108	3.8	34
186	ALK and ROS1 testing on lung cancer cytologic samples: Perspectives. <i>Cancer Cytopathology</i> , <b>2017</b> , 125, 817-830	3.9	34
185	Cytology in the time of coronavirus disease (COVID-19): an Italian perspective. <i>Journal of Clinical Pathology</i> , <b>2021</b> , 74, 261-263	3.9	34
184	Targeting Immune-Related Biological Processes in Solid Tumors: We do Need Biomarkers. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	33
183	EGFR analysis: current evidence and future directions. <i>Diagnostic Cytopathology</i> , <b>2014</b> , 42, 984-92	1.4	32

182	Cell free DNA analysis by SiRe next generation sequencing panel in non small cell lung cancer patients: focus on basal setting. <i>Journal of Thoracic Disease</i> , <b>2017</b> , 9, S1383-S1390	2.6	31
181	Cytological and molecular features of papillary thyroid carcinoma with prominent hobnail features: a case report. <i>Acta Cytologica</i> , <b>2012</b> , 56, 560-4	3	31
180	The prognostic impact of tumor mutational burden (TMB) in the first-line management of advanced non-oncogene addicted non-small-cell lung cancer (NSCLC): a systematic review and meta-analysis of randomized controlled trials. <i>ESMO Open</i> , <b>2021</b> , 6, 100124	6	31
179	KRAS testing in metastatic colorectal carcinoma: challenges, controversies, breakthroughs and beyond. <i>Journal of Clinical Pathology</i> , <b>2014</b> , 67, 1-9	3.9	30
178	Epidermal growth factor receptor test performed on liquid-based cytology lung samples: experience of an academic referral center. <i>Acta Cytologica</i> , <b>2014</b> , 58, 589-94	3	30
177	Cytopathologists can reliably perform ultrasound-guided thyroid fine needle aspiration: a 1-year audit on 3715 consecutive cases. <i>Cytopathology</i> , <b>2016</b> , 27, 115-21	1.3	30
176	Prognostic Factors and Biomarkers of Responses to Immune Checkpoint Inhibitors in Lung Cancer. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	29
175	EGFR mutations detection on liquid-based cytology: is microscopy still necessary?. <i>Journal of Clinical Pathology</i> , <b>2012</b> , 65, 561-4	3.9	29
174	mutations testing in non-small cell lung cancer: the role of Liquid biopsy in the basal setting. <i>Journal of Thoracic Disease</i> , <b>2020</b> , 12, 3836-3843	2.6	29
173	Patients Selection for Immunotherapy in Solid Tumors: Overcome the Naïve Vision of a Single Biomarker. <i>BioMed Research International</i> , <b>2019</b> , 2019, 9056417	3	28
172	Treatment of advanced non-small-cell lung cancer: The 2019 AIOM (Italian Association of Medical Oncology) clinical practice guidelines. <i>Critical Reviews in Oncology/Hematology</i> , <b>2020</b> , 146, 102858	7	28
171	The tumor-agnostic treatment for patients with solid tumors: a position paper on behalf of the AIOM- SIAPEC/IAP-SIBioC-SIF Italian Scientific Societies. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 165, 103436	7	28
170	Cyclin D1 and D3 overexpression predicts malignant behavior in thyroid fine-needle aspirates suspicious for Hurthle cell neoplasms. <i>Cancer Cytopathology</i> , <b>2009</b> , 117, 522-9	3.9	27
169	Alterations and Their Role in Cancer Management: Are We Making Headway on Precision Medicine?. <i>Genes</i> , <b>2020</b> , 11,	4.2	26
168	Fully automated PCR detection of KRAS mutations on pancreatic endoscopic ultrasound fine-needle aspirates. <i>Journal of Clinical Pathology</i> , <b>2016</b> ,	3.9	26
167	Efficacy of continuous EGFR-inhibition and role of Hedgehog in EGFR acquired resistance in human lung cancer cells with activating mutation of EGFR. <i>Oncotarget</i> , <b>2017</b> , 8, 23020-23032	3.3	26
166	Evaluation of BRAF, RAS, RET/PTC, and PAX8/PPARg alterations in different Bethesda diagnostic categories: A multicentric prospective study on the validity of the 7-gene panel test in 1172 thyroid FNAs deriving from different hospitals in South Italy. <i>Cancer Cytopathology</i> , <b>2020</b> , 128, 107-118	3.9	26
165	Different qualifiers of AUS/FLUS thyroid FNA have distinct BRAF, RAS, RET/PTC, and PAX8/PPARg alterations. <i>Cancer Cytopathology</i> , <b>2018</b> , 126, 317-325	3.9	25

164	The Promise of Digital Biopsy for the Prediction of Tumor Molecular Features and Clinical Outcomes Associated With Immunotherapy. <i>Frontiers in Medicine</i> , <b>2019</b> , 6, 172	4.9	25
163	Performance analysis of SiRe next-generation sequencing panel in diagnostic setting: focus on NSCLC routine samples. <i>Journal of Clinical Pathology</i> , <b>2019</b> , 72, 38-45	3.9	25
162	Consistency and reproducibility of next-generation sequencing in cytopathology: A second worldwide ring trial study on improved cytological molecular reference specimens. <i>Cancer Cytopathology</i> , <b>2019</b> , 127, 285-296	3.9	24
161	Sanger sequencing in routine KRAS testing: a review of 1720 cases from a pathologist's perspective. <i>Journal of Clinical Pathology</i> , <b>2012</b> , 65, 940-4	3.9	24
160	The evolving landscape of biomarker testing for non-small cell lung cancer in Europe. <i>Lung Cancer</i> , <b>2021</b> , 154, 161-175	5.9	24
159	Outsourcing cytological samples to a referral laboratory for EGFR testing in non-small cell lung cancer: does theory meet practice?. <i>Cytopathology</i> , <b>2015</b> , 26, 312-7	1.3	23
158	Immunoglobulin heavy-chain fluorescence in situ hybridization-chromogenic in situ hybridization DNA probe split signal in the clonality assessment of lymphoproliferative processes on cytological samples. <i>Cancer Cytopathology</i> , <b>2012</b> , 120, 390-400	3.9	23
157	Idylla assay and next generation sequencing: an integrated EGFR mutational testing algorithm. <i>Journal of Clinical Pathology</i> , <b>2018</b> , 71, 745-750	3.9	23
156	KRAS mutation detection by high-resolution melting analysis significantly predicts clinical benefit of cetuximab in metastatic colorectal cancer. <i>British Journal of Cancer</i> , <b>2012</b> , 107, 626-31	8.7	22
155	Tumor mutational burden on cytological samples: A pilot study. <i>Cancer Cytopathology</i> , <b>2021</b> , 129, 460-467	3.9	22
154	Precision Prevention and Cancer Interception: The New Challenges of Liquid Biopsy. <i>Cancer Discovery</i> , <b>2020</b> , 10, 1635-1644	24.4	21
153	Restoration of CBX7 expression increases the susceptibility of human lung carcinoma cells to irinotecan treatment. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2015</b> , 388, 1179-86	3.4	20
152	UbcH10 overexpression in human lung carcinomas and its correlation with EGFR and p53 mutational status. <i>European Journal of Cancer</i> , <b>2013</b> , 49, 1117-26	7.5	20
151	Antitumor Efficacy of Dual Blockade of EGFR Signaling by Osimertinib in Combination With Selumetinib or Cetuximab in Activated EGFR Human NCLC Tumor Models. <i>Journal of Thoracic Oncology</i> , <b>2018</b> , 13, 810-820	8.9	19
150	EGFR mutation detection on routine cytological smears of non-small cell lung cancer by digital PCR: a validation study. <i>Journal of Clinical Pathology</i> , <b>2016</b> , 69, 454-7	3.9	19
149	KRAS mutation analysis on cytological specimens of metastatic colo-rectal cancer. <i>Diagnostic Cytopathology</i> , <b>2010</b> , 38, 869-73	1.4	19
148	PD-L1 expression on routine samples of non-small cell lung cancer: results and critical issues from a 1-year experience of a centralised laboratory. <i>Journal of Clinical Pathology</i> , <b>2019</b> , 72, 412-417	3.9	18
147	Lung adenocarcinoma and its thyroid metastasis characterized on fine-needle aspirates by cytomorphology, immunocytochemistry, and next-generation sequencing. <i>Diagnostic Cytopathology</i> , <b>2015</b> , 43, 585-9	1.4	18

146	A BRAF new world. <i>Critical Reviews in Oncology/Hematology</i> , <b>2020</b> , 152, 103008	7	18
145	miR-155 is positively regulated by CBX7 in mouse embryonic fibroblasts and colon carcinomas, and targets the KRAS oncogene. <i>BMC Cancer</i> , <b>2017</b> , 17, 170	4.8	18
144	KRAS inhibition in non-small cell lung cancer: Past failures, new findings and upcoming challenges. <i>European Journal of Cancer</i> , <b>2020</b> , 137, 57-68	7.5	18
143	UbcH10 expression can predict prognosis and sensitivity to the antineoplastic treatment for colorectal cancer patients. <i>Molecular Carcinogenesis</i> , <b>2016</b> , 55, 793-807	5	18
142	Mutations as a Molecular Target for Hormone Receptor-Positive, HER2-Negative Metastatic Breast Cancer. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 644737	5.3	18
141	Preparation of thyroid FNA material for routine cytology and BRAF testing: a validation study. <i>Diagnostic Cytopathology</i> , <b>2010</b> , 38, 172-6	1.4	17
140	Cytological and molecular diagnosis of solid variant of papillary thyroid carcinoma: a case report. <i>CytoJournal</i> , <b>2008</b> , 5, 2	1.1	17
139	Understanding EGFR heterogeneity in lung cancer. <i>ESMO Open</i> , <b>2020</b> , 5, e000919	6	17
138	Immunotherapy in non-small cell lung cancer harbouring driver mutations. <i>Cancer Treatment Reviews</i> , <b>2021</b> , 96, 102179	14.4	17
137	There is still a role for cytology in the liquid biopsy era. A lesson from a TKI-treated patient showing adenocarcinoma to squamous cell carcinoma transition during disease progression. <i>Journal of Clinical Pathology</i> , <b>2017</b> , 70, 798-802	3.9	16
136	PAX8 is expressed in anaplastic thyroid carcinoma diagnosed by fine-needle aspiration: a study of three cases with histological correlates. <i>European Journal of Endocrinology</i> , <b>2013</b> , 169, 307-11	6.5	16
135	Metastasis of colon cancer to the thyroid gland: a case diagnosed on fine-needle aspirate by a combined cytological, immunocytochemical, and molecular approach. <i>Diagnostic Cytopathology</i> , <b>2010</b> , 38, 932-5	1.4	16
134	EGFR and HER2 exon 20 insertions in solid tumours: from biology to treatment. <i>Nature Reviews Clinical Oncology</i> , <b>2021</b> ,	19.4	16
133	Global impact of the COVID-19 pandemic on cytopathology practice: Results from an international survey of laboratories in 23 countries. <i>Cancer Cytopathology</i> , <b>2020</b> , 128, 885-894	3.9	16
132	Young investigator challenge: Can the Ion AmpliSeq Cancer Hotspot Panel v2 be used for next-generation sequencing of thyroid FNA samples?. <i>Cancer Cytopathology</i> , <b>2016</b> , 124, 776-784	3.9	16
131	The Reproducibility of the Immunohistochemical PD-L1 Testing in Non-Small-Cell Lung Cancer: A Multicentric Italian Experience. <i>BioMed Research International</i> , <b>2019</b> , 2019, 6832909	3	15
130	T790M detection rate in lung adenocarcinomas at baseline using droplet digital PCR and validation by ultra-deep next generation sequencing. <i>Translational Lung Cancer Research</i> , <b>2019</b> , 8, 584-592	4.4	15
129	Osimertinib. <i>Recent Results in Cancer Research</i> , <b>2018</b> , 211, 257-276	1.5	14

128	Multiplex digital colour-coded barcode technology on RNA extracted from routine cytological samples of patients with non-small cell lung cancer: pilot study. <i>Journal of Clinical Pathology</i> , <b>2017</b> , 70, 803-806	3.9	13
127	The challenge of the Molecular Tumor Board empowerment in clinical oncology practice: A Position Paper on behalf of the AIOM- SIAPEC/IAP-SIBioC-SIC-SIF-SIGU-SIRM Italian Scientific Societies.. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 169, 103567	7	13
126	, and mutations detected by next generation sequencing, and differential clinical outcome in metastatic colorectal cancer (MCRC) patients treated with first line FIr-B/FOx adding bevacizumab (BEV) to triplet chemotherapy. <i>Oncotarget</i> , <b>2018</b> , 9, 26279-26290	3.3	13
125	New perspectives in the second-line treatment of non squamous NSCLC patients: Results from a large Italian Lung Cancer Working Group. <i>Critical Reviews in Oncology/Hematology</i> , <b>2017</b> , 109, 35-41	7	12
124	Next generation diagnostic algorithm in non-small cell lung cancer predictive molecular pathology: The KWAY Italian multicenter cost evaluation study. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 169, 103525	7	12
123	Predictive molecular pathology in the time of coronavirus disease (COVID-19) in Europe. <i>Journal of Clinical Pathology</i> , <b>2020</b> ,	3.9	12
122	The Role of the Pathologist in the Next-Generation Era of Tumor Molecular Characterization. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	12
121	Is the Idylla Mutation Assay feasible on archival stained cytological smears? A pilot study. <i>Journal of Clinical Pathology</i> , <b>2019</b> , 72, 609-614	3.9	11
120	KRAS mutant allele-specific imbalance (MASI) assessment in routine samples of patients with metastatic colorectal cancer. <i>Journal of Clinical Pathology</i> , <b>2015</b> , 68, 265-9	3.9	11
119	EGFR mutation detection by microfluidic technology: a validation study. <i>Journal of Clinical Pathology</i> , <b>2013</b> , 66, 982-4	3.9	11
118	Rapid On-site Molecular Evaluation in thyroid cytopathology: A same-day cytological and molecular diagnosis. <i>Diagnostic Cytopathology</i> , <b>2020</b> , 48, 300-307	1.4	11
117	Foamy gland pancreatic ductal adenocarcinoma diagnosed on EUS-FNA: a histochemical, immunohistochemical, and molecular report. <i>Diagnostic Cytopathology</i> , <b>2013</b> , 41, 77-80	1.4	10
116	BRAF: A Two-Faced Janus. <i>Cells</i> , <b>2020</b> , 9,	7.9	10
115	Microsatellite instability evaluation by automated microfluidic electrophoresis: an update. <i>Journal of Clinical Pathology</i> , <b>2017</b> , 70, 90-91	3.9	9
114	Emerging angiogenesis inhibitors for non-small cell lung cancer. <i>Expert Opinion on Emerging Drugs</i> , <b>2019</b> , 24, 71-81	3.7	9
113	Multicentric encapsulated papillary oncocytic neoplasm of the thyroid: A case diagnosed by a combined cytological, histological, immunohistochemical, and molecular approach. <i>Diagnostic Cytopathology</i> , <b>2012</b> , 40, 450-4	1.4	9
112	KRAS testing on colo-rectal carcinoma cytological imprints. <i>Diagnostic Cytopathology</i> , <b>2011</b> , 39, 274-7	1.4	9
111	exon 19 deletion switch and development of p.L792Q mutation as a new resistance mechanism to osimertinib: a case report and literature review.. <i>Translational Cancer Research</i> , <b>2019</b> , 8, S64-S69	0.3	9

110	BRAF as a positive predictive biomarker: Focus on lung cancer and melanoma patients. <i>Critical Reviews in Oncology/Hematology</i> , <b>2020</b> , 156, 103118	7	9
109	Novel Emerging Molecular Targets in Non-Small Cell Lung Cancer. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	9
108	Thyroid cytology smear slides: An untapped resource for ThyroSeq testing. <i>Cancer Cytopathology</i> , <b>2021</b> , 129, 33-42	3.9	9
107	A Simplified Genomic Profiling Approach Predicts Outcome in Metastatic Colorectal Cancer. <i>Cancers</i> , <b>2019</b> , 11,	6.6	8
106	Targeting emerging molecular alterations in the treatment of non-small cell lung cancer: current challenges and the way forward. <i>Expert Opinion on Investigational Drugs</i> , <b>2020</b> , 29, 363-372	5.9	8
105	detection on archival cytological smears by the novel fully automated polymerase chain reaction-based Idylla mutation test. <i>CytoJournal</i> , <b>2017</b> , 14, 5	1.1	8
104	RAS as a positive predictive biomarker: focus on lung and colorectal cancer patients. <i>European Journal of Cancer</i> , <b>2021</b> , 146, 74-83	7.5	8
103	Predictive molecular pathology in the time of COVID-19. <i>Journal of Clinical Pathology</i> , <b>2021</b> , 74, 234-237	3.9	8
102	Thyroid fine-needle aspiration trends before, during, and after the lockdown: what we have learned so far from the COVID-19 pandemic. <i>Endocrine</i> , <b>2021</b> , 71, 20-25	4	8
101	Intensive first-line FIr-C/FOx-C association of triplet chemotherapy plus cetuximab in wild-type metastatic colorectal cancer patients: preliminary phase II data and prediction of individual limiting toxicity syndromes by pharmacogenomic biomarkers. <i>Therapeutic Advances in Medical Oncology</i> , <b>2019</b> , 11, 1758935919846421	5.4	7
100	Performance of EGFR mutant-specific antibodies in different cytological preparations: a validation study. <i>Cytopathology</i> , <b>2015</b> , 26, 99-105	1.3	7
99	Clinical Multigene Panel Sequencing Identifies Distinct Mutational Association Patterns in Metastatic Colorectal Cancer. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 560	5.3	7
98	Impact of Pre-Analytical Factors on MSI Test Accuracy in Mucinous Colorectal Adenocarcinoma: A Multi-Assay Concordance Study. <i>Cells</i> , <b>2020</b> , 9,	7.9	7
97	Next generation sequencing for liquid biopsy based testing in non-small cell lung cancer in 2021. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 161, 103311	7	7
96	Next Generation Sequencing in Cytopathology: Focus on Non-Small Cell Lung Cancer. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 633923	4.9	7
95	The Cause of Death of a Child in the 18th Century Solved by Bone Microbiome Typing Using Laser Microdissection and Next Generation Sequencing. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	6
94	Next-generation sequencing in the genomic profiling of synchronous colonic carcinomas: comment on Li et al (2015). <i>Journal of Clinical Pathology</i> , <b>2015</b> , 68, 946-7	3.9	6
93	Diffuse large B-cell extranodal lymphoma of the uterine cervix: an incidental pap smear finding with histological and immunohistochemical correlation. <i>Diagnostic Cytopathology</i> , <b>2014</b> , 42, 644-6	1.4	6



92	Next generation sequencing in cytology. <i>Cytopathology</i> , <b>2021</b> , 32, 588-595	1.3	6
91	RNA-Based Assay for Next-Generation Sequencing of Clinically Relevant Gene Fusions in Non-Small Cell Lung Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	6
90	P2.01-093 Exo-ALK Proof of Concept: Exosomal Analysis of ALK Alterations in Advanced NSCLC Patients. <i>Journal of Thoracic Oncology</i> , <b>2017</b> , 12, S844-S845	8.9	5
89	BRAF Mutations in Lung Cancer. <i>Acta Cytologica</i> , <b>2019</b> , 63, 247-250	3	5
88	Harmonization of Next-Generation Sequencing Procedure in Italian Laboratories: A Multi-Institutional Evaluation of the SiRe $\square$ Panel. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 236	5.3	5
87	Digital Pathology and PD-L1 Testing in Non Small Cell Lung Cancer: A Workshop Record. <i>Cancers</i> , <b>2020</b> , 12,	6.6	5
86	PD-L1 expression in cell-blocks of non-small cell lung cancer: The impact of prolonged fixation. <i>Diagnostic Cytopathology</i> , <b>2020</b> , 48, 595-603	1.4	5
85	EGFR mutant allelic-specific imbalance assessment in routine samples of non-small cell lung cancer. <i>Journal of Clinical Pathology</i> , <b>2015</b> , 68, 739-41	3.9	5
84	Liquid biopsy for mutations testing in non-small cell lung cancer: a retrospective study. <i>Journal of Clinical Pathology</i> , <b>2020</b> ,	3.9	5
83	Immunotherapy in Breast Cancer Patients: A Focus on the Use of the Currently Available Biomarkers in Oncology. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2021</b> ,	2.2	5
82	USP11 role in colorectal cancer growing and metastatisation. <i>EBioMedicine</i> , <b>2019</b> , 48, 5-6	8.8	5
81	PD-L1 evaluation in head and neck squamous cell carcinoma: Insights regarding specimens, heterogeneity and therapy. <i>Pathology Research and Practice</i> , <b>2021</b> , 226, 153605	3.4	5
80	TargetPlex FFPE-Direct DNA Library Preparation Kit for SiRe NGS panel: an international performance evaluation study. <i>Journal of Clinical Pathology</i> , <b>2021</b> ,	3.9	4
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