

# Umberto Malapelle

## List of Publications by Year in Descending Order

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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	Uncommon Compound Mutations in Non-Small Cell Lung Cancer (NSCLC): A Systematic Review of Available Evidence.. <i>Current Oncology</i> , <b>2022</b> , 29, 255-266	2.8	3
216	Tissue Microarray from Cell Block Material (cbTMA) An Additional Shot for Cytology in the Predictive Pathology Era: The PD-L1 Experience. <i>Journal of Molecular Pathology</i> , <b>2022</b> , 3, 15-23	0.4	
215	Evaluation of COVID-19 impact on DELAYing diagnostic-therapeutic pathways of lung cancer patients in Italy (COVID-DELAY study): fewer cases and higher stages from a real-world scenario.. <i>ESMO Open</i> , <b>2022</b> , 7, 100406	6	2
214	Predictive molecular pathology in metastatic thyroid cancer: the role of fusions.. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2022</b> , 1-12	4.1	
213	"Depart from evil, and do good": turning Axl from uncontrolled tumorigenic gene to biomarker for early detection of pancreatic cancer.. <i>Critical Reviews in Oncology/Hematology</i> , <b>2022</b> , 103659	7	
212	FFPE-Based NGS Approaches into Clinical Practice: The Limits of Glory from a Pathologist Viewpoint. <i>Journal of Personalized Medicine</i> , <b>2022</b> , 12, 750	3.6	0
211	Implementation of preventive and predictive BRCA testing in patients with breast, ovarian, pancreatic, and prostate cancer: a position paper of Italian Scientific Societies. <i>ESMO Open</i> , <b>2022</b> , 7, 100459	6	1
210	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
209	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
208	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
207	The storm of NGS in NSCLC diagnostic-therapeutic pathway: How to sun the real clinical practice. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 169, 103561	7	3
206	p.G12C KRAS mutation prevalence in non-small cell lung cancer: Contribution from interregional variability and population substructures among Hispanics. <i>Translational Oncology</i> , <b>2021</b> , 15, 101276	4.9	1
205	Epidermal growth factor receptor exon 20 insertion variants in non-small cell lung cancer patients. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 169, 103536	7	0
204	Immunotherapy in Lung Cancer: Are the Promises of Long-Term Benefit Finally Met?. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1342, 113-142	3.6	1
203	Liquid Biopsy. <i>UNIPA Springer Series</i> , <b>2021</b> , 99-122	0.1	
202	Molecular Diagnostics: Innovative Technologies for Clinical and Translational Research. <i>UNIPA Springer Series</i> , <b>2021</b> , 137-151	0.1	
201	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

200	Reliability and reproducibility among different platforms for tumour BRCA testing in ovarian cancer: a study of the Italian NGS Network. <i>Journal of Clinical Pathology</i> , <b>2021</b> , 74, 668-672	3.9	1
199	Moving towards a local testing solution for undetermined thyroid fine-needle aspirates: validation of a novel custom DNA-based NGS panel. <i>Journal of Clinical Pathology</i> , <b>2021</b> ,	3.9	1
198	Performance evaluation of a fully closed real-time PCR platform for the detection of KRAS p.G12C mutations in liquid biopsy of patients with non-small cell lung cancer. <i>Journal of Clinical Pathology</i> , <b>2021</b> ,	3.9	1
197	Novel Emerging Molecular Targets in Non-Small Cell Lung Cancer. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	9
196	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
195	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
194	Small Cell Lung Cancer: State of the Art of the Molecular and Genetic Landscape and Novel Perspective. <i>Cancers</i> , <b>2021</b> , 13,	6.6	4
193	Next generation sequencing in cytology. <i>Cytopathology</i> , <b>2021</b> , 32, 588-595	1.3	6
192	Cytopathology Practice in the COVID-19 Era: Focus on Sample Workload. <i>Journal of Molecular Pathology</i> , <b>2021</b> , 2, 109-113	0.4	1
191	Evaluation of a fully closed real time PCR platform for the detection of SARS-CoV-2 in nasopharyngeal swabs: a pilot study. <i>Journal of Clinical Pathology</i> , <b>2021</b> ,	3.9	2
190	Dealing with NSCLC EGFR mutation testing and treatment: A comprehensive review with an Italian real-world perspective. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 160, 103300	7	1
189	PD-L1 and beyond: Immuno-oncology in cytopathology. <i>Cytopathology</i> , <b>2021</b> , 32, 596-603	1.3	2
188	Immunotherapy in non-small cell lung cancer harbouring driver mutations. <i>Cancer Treatment Reviews</i> , <b>2021</b> , 96, 102179	14.4	17
187	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
186	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
185	Intensive multidisciplinary treatment strategies and patient resilience to challenge long-term survival in metastatic colorectal cancer: a case report in real life and clinical practice. <i>Annals of Translational Medicine</i> , <b>2021</b> , 9, 1027	3.2	0
184	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
183	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

182	Liquid Biopsy Analysis in Clinical Practice: Focus on Lung Cancer. <i>Journal of Molecular Pathology</i> , <b>2021</b> , 2, 241-254	0.4	3
181	Diagnostic and prognostic biomarkers in oligometastatic non-small cell lung cancer: a literature review. <i>Translational Lung Cancer Research</i> , <b>2021</b> , 10, 3385-3400	4.4	0
180	Circulating tumor DNA in cancer: Predictive molecular pathology meets mathematics. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 163, 103394	7	1
179	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
178	Predictive molecular pathology in the time of COVID-19. <i>Journal of Clinical Pathology</i> , <b>2021</b> , 74, 234-237	3.9	8
177	Thyroid cytology smear slides: An untapped resource for ThyroSeq testing. <i>Cancer Cytopathology</i> , <b>2021</b> , 129, 33-42	3.9	9
176	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
175	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
174	Cytopathology practice during the COVID-19 postlockdown: An Italian experience. <i>Cancer Cytopathology</i> , <b>2021</b> , 129, 548-554	3.9	3
173	The Role of the Pathologist in the Next-Generation Era of Tumor Molecular Characterization. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	12
172	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
171	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
170	Liquid Biopsy Is a Promising Tool for Genetic Testing in Idiopathic Pulmonary Fibrosis. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	2
169	Evaluation of Micro Satellite Instability and Mismatch Repair Status in Different Solid Tumors: A Multicenter Analysis in a Real World Setting. <i>Cells</i> , <b>2021</b> , 10,	7.9	4
168	The role of molecular heterogeneity targeting resistance mechanisms to lung cancer therapies. <i>Expert Review of Molecular Diagnostics</i> , <b>2021</b> , 21, 757-766	3.8	1
167	Benefits and Harms of Lung Cancer Screening by Chest Computed Tomography: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Oncology</i> , <b>2021</b> , 39, 2574-2585	2.2	3
166	ctDNA analysis in the personalized clinical management of gastroesophageal adenocarcinoma: turning hope into reality. <i>Future Oncology</i> , <b>2021</b> , 17, 4607-4618	3.6	0
165	Liquid Biopsy for Biomarker Testing in Non-Small Cell Lung Cancer: A European Perspective. <i>Journal of Molecular Pathology</i> , <b>2021</b> , 2, 255-273	0.4	3

164	Methods for actionable gene fusion detection in lung cancer: now and in the future. <i>Pharmacogenomics</i> , <b>2021</b> , 22, 833-847	2.6	0
163	Reference standards for gene fusion molecular assays on cytological samples: an international validation study. <i>Journal of Clinical Pathology</i> , <b>2021</b> ,	3.9	2
162	Liquid biopsy from research to clinical practice: focus on non-small cell lung cancer. <i>Expert Review of Molecular Diagnostics</i> , <b>2021</b> , 21, 1165-1178	3.8	2
161	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
160	Evidence-based diagnostic performance of novel biomarkers for the diagnosis of malignant mesothelioma in effusion cytology. <i>Cancer Cytopathology</i> , <b>2021</b> ,	3.9	4
159	How clinically useful is comprehensive genomic profiling for patients with non-small cell lung cancer? A systematic review. <i>Critical Reviews in Oncology/Hematology</i> , <b>2021</b> , 166, 103459	7	1
158	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
157	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
156	Molecular profiling of advanced non-small cell lung cancer in the era of immunotherapy approach: a multicenter Italian observational prospective study of biomarker screening in daily clinical practice. <i>Journal of Clinical Pathology</i> , <b>2021</b> ,	3.9	1
155	Tumor mutational burden on cytological samples: A pilot study. <i>Cancer Cytopathology</i> , <b>2021</b> , 129, 460-467	3.9	22
154	Fine-Needle Aspiration Is Suitable for Breast Cancer BRCA Molecular Assessment: A Case Report. <i>Journal of Molecular Pathology</i> , <b>2021</b> , 2, 319-324	0.4	
153	A narrative review of lung cancer cytology in the times of coronavirus: what physicians should know. <i>Translational Lung Cancer Research</i> , <b>2020</b> , 9, 2074-2081	4.4	2
152	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
151	A BRAF new world. <i>Critical Reviews in Oncology/Hematology</i> , <b>2020</b> , 152, 103008	7	18
150	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
149	Alterations and Their Role in Cancer Management: Are We Making Headway on Precision Medicine?. <i>Genes</i> , <b>2020</b> , 11,	4.2	26
148	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
147	Comparison between two different next generation sequencing platforms for clinical relevant gene mutation test in solid tumours. <i>Journal of Clinical Pathology</i> , <b>2020</b> , 73, 602-604	3.9	

146	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
145	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
144	Pharmacodynamics of current and emerging PD-1 and PD-L1 inhibitors for the treatment of non-small cell lung cancer. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2020</b> , 16, 87-96	5.5	3
143	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
142	Cytology meets next generation sequencing and liquid biopsy: A case of lung adenocarcinoma presenting as metastasis to the phalanx. <i>Diagnostic Cytopathology</i> , <b>2020</b> , 48, 759-764	1.4	2
141	Next generation sequencing identifies novel potential actionable mutations for grade I meningioma treatment. <i>Histology and Histopathology</i> , <b>2020</b> , 35, 741-749	1.4	4
140	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
139	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
138	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
137	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
136	Understanding EGFR heterogeneity in lung cancer. <i>ESMO Open</i> , <b>2020</b> , 5, e000919	6	17
135	SARS-CoV-2 Infection in Cancer Patients: A Picture of an Italian Unit. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 1723	3	3
134	Precision Prevention and Cancer Interception: The New Challenges of Liquid Biopsy. <i>Cancer Discovery</i> , <b>2020</b> , 10, 1635-1644	24.4	21
133	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
132	Concomitant Rare KRAS and BRAF Mutations in Lung Adenocarcinoma: A Case Report. <i>Journal of Molecular Pathology</i> , <b>2020</b> , 1, 36-42	0.4	0
131	BRAF: A Two-Faced Janus. <i>Cells</i> , <b>2020</b> , 9,	7.9	10
130	Case Report: BAP1 Mutation and RAD21 Amplification as Predictive Biomarkers to PARP Inhibitor in Metastatic Intrahepatic Cholangiocarcinoma. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 567289	5.3	3
129	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

128	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
127	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
126	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
125	Molecular predictive testing in precision oncology: The Italian experience. <i>Cancer Cytopathology</i> , <b>2020</b> , 128, 622-628	3.9	1
124	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
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	Mismatch repair proteins and microsatellite instability in solid pseudopapillary neoplasm of the pancreas. <i>Hepatobiliary and Pancreatic Diseases International</i> , <b>2019</b> , 18, 491-492	2.1	
121	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
120	A Simplified Genomic Profiling Approach Predicts Outcome in Metastatic Colorectal Cancer. <i>Cancers</i> , <b>2019</b> , 11,	6.6	8
119	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
118	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, 1758835919846421	5.4	7
117	Pathology in non-small cell lung cancer: evolving scenario. <i>Precision Cancer Medicine</i> , <b>2019</b> , 2, 17-17	1	
116	Bird's eye view of modern cytopathology: Report from the seventh international Molecular Cytopathology Meeting in Naples, Italy, 2018. <i>Cancer Cytopathology</i> , <b>2019</b> , 127, 350-357	3.9	2
115	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
114	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
113	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
112	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
111	BRAF Mutations in Lung Cancer. <i>Acta Cytologica</i> , <b>2019</b> , 63, 247-250	3	5

110	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
109	Microfluidic chip technology applied to fine-needle aspiration cytology samples for IGH clonality assessment. <i>Diagnostic Cytopathology</i> , <b>2019</b> , 47, 749-757	1.4	2
108	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
107	Role of Cytomorphology in the Era of Liquid Biopsy. <i>Acta Cytologica</i> , <b>2019</b> , 63, 497-505	3	2
106	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
105	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
104	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
103	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
102	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
101	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
100	Listening understanding and acting (lung): focus on communicational issue in thoracic oncology.. <i>Translational Cancer Research</i> , <b>2019</b> , 8, S16-S22	0.3	
99	Targeted therapy and non-small cell lung cancer: a new era!. <i>Translational Cancer Research</i> , <b>2019</b> , 8, S1-S2.3		
98	Opening New Boundaries in Biomarker Detection: Awakening of Middle East and North Africa Region. <i>Journal of Immunotherapy and Precision Oncology</i> , <b>2019</b> , 2, 8-9	0.6	
97	Analysis of Programmed Death-Ligand 1 Expression, Stromal Tumor-Infiltrating Lymphocytes, and Mismatch Repair Deficiency in Invasive Micropapillary Carcinoma of the Breast. <i>Journal of Immunotherapy and Precision Oncology</i> , <b>2019</b> , 2, 130-136	0.6	1
96	Circulating Tumour Cells in Predictive Molecular Pathology: Focus on Drug-Sensitive Assays and 3D Culture. <i>Acta Cytologica</i> , <b>2019</b> , 63, 171-181	3	4
95	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
94	USP11 role in colorectal cancer growing and metastatisation. <i>EBioMedicine</i> , <b>2019</b> , 48, 5-6	8.8	5
93	Liquid Biopsy and Lung Cancer. <i>Acta Cytologica</i> , <b>2019</b> , 63, 489-496	3	39



92 Next-Generation Sequencing in Clinical Practice **2019**, 57-64

91 DNA-Based Sequencing Assays **2019**, 83-97

90 RNA-Based Assays **2019**, 99-119

89 Setting up and exploitation of a nano/technological platform for the evaluation of HMGA1b protein in peripheral blood of cancer patients. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2019**, 15, 231-242 6 3

88 Performance analysis of SiRe next-generation sequencing panel in diagnostic setting: focus on NSCLC routine samples. *Journal of Clinical Pathology*, **2019**, 72, 38-45 3.9 25

87 Different qualifiers of AUS/FLUS thyroid FNA have distinct BRAF, RAS, RET/PTC, and PAX8/PPARg alterations. *Cancer Cytopathology*, **2018**, 126, 317-325 3.9 25

86 Antitumor Efficacy of Dual Blockade of EGFR Signaling by Osimertinib in Combination With Selumetinib or Cetuximab in Activated EGFR Human NCLC Tumor Models. *Journal of Thoracic Oncology*, **2018**, 13, 810-820 8.9 19

85 Targeting immune checkpoints in non small cell lung cancer. *Current Opinion in Pharmacology*, **2018**, 40, 46-50 5.1 36

84 Osimertinib. *Recent Results in Cancer Research*, **2018**, 211, 257-276 1.5 14

83 Noninvasive Biomarkers of Colorectal Cancer: Role in Diagnosis and Personalised Treatment Perspectives. *Gastroenterology Research and Practice*, **2018**, 2018, 2397863 2 43

82 Clinico-pathological and molecular characterisation of BRAF mutant metastatic colorectal cancer (mCRC): Are all mutations created equal?. *Journal of Clinical Oncology*, **2018**, 36, 3590-3590 2.2 4

81 How to Prepare Cytological Samples for Molecular Testing **2018**, 11-28

80 Intensive first line FIr-C/FOx-C association of triplet chemotherapy plus cetuximab in RAS wild-type metastatic colorectal cancer patients: Preliminary phase II data and prediction of individual limiting toxicity syndromes by pharmacogenomic biomarkers.. *Journal of Clinical Oncology*, **2018**, 36, e15517-e15517 2.2

79 An update on liquid biopsy analysis for diagnostic and monitoring applications in non-small cell lung cancer. *Expert Review of Molecular Diagnostics*, **2018**, 18, 35-45 3.8 38

78 , 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. *Oncotarget*, **2018**, 9, 26279-26290 3.3 13

77 Evaluation of a novel liquid biopsy-based ColoScope assay for mutational analysis of colorectal neoplasia and triage of FIT+ patients: a pilot study. *Journal of Clinical Pathology*, **2018**, 71, 1123-1126 3.9 3

76 Idylla assay and next generation sequencing: an integrated EGFR mutational testing algorithm. *Journal of Clinical Pathology*, **2018**, 71, 745-750 3.9 23

75 USP7 inhibitors, downregulating CCDC6, sensitize lung neuroendocrine cancer cells to PARP-inhibitor drugs. *Lung Cancer*, **2017**, 107, 41-49 5.9 41

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