Sinchita Roy-Chowdhuri

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Prevalence, Clinicopathologic Associations, and Molecular Spectrum of <i>ERBB2</i> (<i>HER2</i>) Tyrosine Kinase Mutations in Lung Adenocarcinomas. Clinical Cancer Research, 2012, 18, 4910-4918.	7.0	407
2	Intratumoral injection of <i>Clostridium novyi</i> -NT spores induces antitumor responses. Science Translational Medicine, 2014, 6, 249ra111.	12.4	285
3	Beyond BRAF V600 : Clinical Mutation Panel Testing by Next-Generation Sequencing in Advanced Melanoma. Journal of Investigative Dermatology, 2015, 135, 508-515.	0.7	138
4	Single-cell dissection of intratumoral heterogeneity and lineage diversity in metastatic gastric adenocarcinoma. Nature Medicine, 2021, 27, 141-151.	30.7	134
5	Factors affecting the success of nextâ€generation sequencing in cytology specimens. Cancer Cytopathology, 2015, 123, 659-668.	2.4	127
6	Role of cystathionine β-synthase in human breast Cancer. Free Radical Biology and Medicine, 2015, 86, 228-238.	2.9	125
7	Concurrent fine needle aspirations and core needle biopsies: a comparative study of substrates for next-generation sequencing in solid organ malignancies. Modern Pathology, 2017, 30, 499-508.	5.5	116
8	Rapid On-Site Evaluation of Endobronchial Ultrasound–Guided Transbronchial Needle Aspirations for the Diagnosis of Lung Cancer: A Perspective From Members of the Pulmonary Pathology Society. Archives of Pathology and Laboratory Medicine, 2018, 142, 253-262.	2.5	116
9	Preanalytic Variables in Cytology: Lessons Learned From Next-Generation Sequencing—The MD Anderson Experience. Archives of Pathology and Laboratory Medicine, 2016, 140, 1191-1199.	2.5	115
10	Next-Generation Sequencing in Clinical Molecular Diagnostics of Cancer: Advantages and Challenges. Cancers, 2015, 7, 2023-2036.	3.7	107
11	Programmed Death Ligand-1 Immunohistochemistry— A New Challenge for Pathologists: A Perspective From Members of the Pulmonary Pathology Society. Archives of Pathology and Laboratory Medicine, 2016, 140, 341-344.	2.5	107
12	Analysis of Pre-Analytic Factors Affecting the Success of Clinical Next-Generation Sequencing of Solid Organ Malignancies. Cancers, 2015, 7, 1699-1715.	3.7	107
13	Programmed death ligand 1 testing in non–small cell lung carcinoma cytology cell block and aspirate smear preparations. Cancer Cytopathology, 2018, 126, 342-352.	2.4	102
14	Yield of Staging Laparoscopy and Lavage Cytology for Radiologically Occult Peritoneal Carcinomatosis of Gastric Cancer. Annals of Surgical Oncology, 2016, 23, 4332-4337.	1.5	98
15	Biomarker Testing in Lung Carcinoma Cytology Specimens: A Perspective From Members of the Pulmonary Pathology Society. Archives of Pathology and Laboratory Medicine, 2016, 140, 1267-1272.	2.5	95
16	Suppressed immune microenvironment and repertoire in brain metastases from patients with resected non-small-cell lung cancer. Annals of Oncology, 2019, 30, 1521-1530.	1.2	94
17	Multiplex profiling of peritoneal metastases from gastric adenocarcinoma identified novel targets and molecular subtypes that predict treatment response. Gut, 2020, 69, 18-31.	12.1	94
18	Identification of Factors Affecting the Success of Next-Generation Sequencing Testing in Solid Tumors. American Journal of Clinical Pathology, 2016, 145, 222-237.	0.7	91

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19	Molecular Pathology of Lung Cancer Cytology Specimens: A Concise Review. Archives of Pathology and Laboratory Medicine, 2018, 142, 1127-1133.	2.5	73
20	Analysis of 1,115 Patients Tested for <i>MET</i> Amplification and Therapy Response in the MD Anderson Phase I Clinic. Clinical Cancer Research, 2014, 20, 6336-6345.	7.0	70
21	Hotspot Mutation Panel Testing Reveals Clonal Evolution in a Study of 265 Paired Primary and Metastatic Tumors. Clinical Cancer Research, 2015, 21, 2644-2651.	7.0	70
22	Immunohistochemistry of Pulmonary Biomarkers: A Perspective From Members of the Pulmonary Pathology Society. Archives of Pathology and Laboratory Medicine, 2018, 142, 408-419.	2.5	70
23	Guideline From the College of American Pathologists in Collaboration With the American College of Chest Physicians, Association for Molecular Pathology, American Society of Cytopathology, American Thoracic Society, Pulmonary Pathology Society, Papanicolaou Society of Cytopathology, Society of Interventional Radiology, and Society of Thoracic Radiology, Archives of Pathology and Laboratory	2.5	65
24	Medicine, 2020, 144, 933-958. Liquid Biopsy in Lung Cancer: A Perspective From Members of the Pulmonary Pathology Society. Archives of Pathology and Laboratory Medicine, 2016, 140, 825-829.	2.5	64
25	Quantitative Real-Time PCR: Recent Advances. Methods in Molecular Biology, 2016, 1392, 161-176.	0.9	64
26	Salvaging the supernatant: next generation cytopathology for solid tumor mutation profiling. Modern Pathology, 2018, 31, 1036-1045.	5.5	60
27	Consistency and reproducibility of nextâ€generation sequencing and other multigene mutational assays: A worldwide ring trial study on quantitative cytological molecular reference specimens. Cancer Cytopathology, 2017, 125, 615-626.	2.4	58
28	Evaluating Circulating Tumor DNA From the Cerebrospinal Fluid of Patients With Melanoma and Leptomeningeal Disease. Journal of Neuropathology and Experimental Neurology, 2018, 77, 628-635.	1.7	57
29	Utilization of ancillary studies in the cytologic diagnosis of respiratory lesions: The papanicolaou society of cytopathology consensus recommendations for respiratory cytology. Diagnostic Cytopathology, 2016, 44, 1000-1009.	1.0	55
30	YAP1 mediates gastric adenocarcinoma peritoneal metastases that are attenuated by YAP1 inhibition. Gut, 2021, 70, 55-66.	12.1	53
31	FBXW7 Mutations in Patients with Advanced Cancers: Clinical and Molecular Characteristics and Outcomes with mTOR Inhibitors. PLoS ONE, 2014, 9, e89388.	2.5	50
32	Optimizing the <scp>DNA</scp> yield for molecular analysis from cytologic preparations. Cancer Cytopathology, 2016, 124, 254-260.	2.4	49
33	Global impact of the COVIDâ€19 pandemic on cytopathology practice: Results from an international survey of laboratories in 23 countries. Cancer Cytopathology, 2020, 128, 885-894.	2.4	47
34	<i>BRAF</i> mutation testing with a rapid, fully integrated molecular diagnostics system. Oncotarget, 2015, 6, 26886-26894.	1.8	45
35	Actionable Tumor Alterations and Treatment Protocol Enrollment of Pediatric and Young Adult Patients With Refractory Cancers in the National Cancer Institute–Children's Oncology Group Pediatric MATCH Trial. Journal of Clinical Oncology, 2022, 40, 2224-2234.	1.6	45
36	Consistency and reproducibility of nextâ€generation sequencing in cytopathology: A second worldwide ring trial study on improved cytological molecular reference specimens. Cancer Cytopathology, 2019, 127, 285-296.	2.4	39

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37	A Phase II Trial of Cytoreduction, Gastrectomy, and Hyperthermic Intraperitoneal Perfusion with Chemotherapy for Patients with Gastric Cancer and Carcinomatosis or Positive Cytology. Annals of Surgical Oncology, 2021, 28, 258-264.	1.5	39
38	Centrifuged supernatants from FNA provide a liquid biopsy option for clinical nextâ€generation sequencing of thyroid nodules. Cancer Cytopathology, 2019, 127, 146-160.	2.4	37
39	Fit-For-Purpose PD-L1 Biomarker Testing For Patient Selection in Immuno-Oncology: Guidelines For Clinical Laboratories From the Canadian Association of Pathologists-Association Canadienne Des Pathologistes (CAP-ACP). Applied Immunohistochemistry and Molecular Morphology, 2019, 27, 699-714.	1.2	36
40	Cytology Specimens: A Goldmine for Molecular Testing. Archives of Pathology and Laboratory Medicine, 2016, 140, 1189-1190.	2.5	35
41	Multigene Clinical Mutational Profiling of Breast Carcinoma Using Next-Generation Sequencing. American Journal of Clinical Pathology, 2015, 144, 713-721.	0.7	34
42	Utility of the BRAF p.V600E immunoperoxidase stain in FNA direct smears and cell block preparations from patients with thyroid carcinoma. Cancer Cytopathology, 2018, 126, 406-413.	2.4	33
43	Invited review—next-generation sequencing: a modern tool in cytopathology. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2019, 475, 3-11.	2.8	31
44	Liquid biopsy assay for lung carcinoma using centrifuged supernatants from fine-needle aspiration specimens. Annals of Oncology, 2019, 30, 963-969.	1.2	30
45	Analysis of MET Genetic Aberrations in Patients With Breast Cancer at MD Anderson Phase I Unit. Clinical Breast Cancer, 2014, 14, 468-474.	2.4	29
46	The transcription factor Foxp1 preserves integrity of an active Foxp3 locus in extrathymic Treg cells. Nature Communications, 2018, 9, 4473.	12.8	29
47	Race Is a Risk for Lymph Node Metastasis in Patients With Gastric Cancer. Annals of Surgical Oncology, 2017, 24, 960-965.	1.5	27
48	Transbronchial Lung Cryobiopsy for Interstitial Lung Disease Diagnosis: A Perspective From Members of the Pulmonary Pathology Society. Archives of Pathology and Laboratory Medicine, 2016, 140, 1281-1284.	2.5	26
49	Longâ€ŧerm survival in patients with metastatic gastric and gastroesophageal cancer treated with surgery. Journal of Surgical Oncology, 2015, 111, 875-881.	1.7	25
50	PDâ€L1 detection in histology specimens and matched pleural fluid cell blocks of patients with NSCLC. Respirology, 2019, 24, 1198-1203.	2.3	24
51	Utilization of cytology smears improves success rates of RNAâ€based nextâ€generation sequencing gene fusion assays for clinically relevant predictive biomarkers. Cancer Cytopathology, 2021, 129, 374-382.	2.4	22
52	Clinical outcomes based on multigene profiling in metastatic breast cancer patients. Oncotarget, 2016, 7, 76362-76373.	1.8	22
53	Next generation sequencing of carcinoma of unknown primary reveals novel combinatorial strategies in a heterogeneous mutational landscape. Oncoscience, 2017, 4, 47-56.	2.2	21
54	Phase II Study of Selumetinib in Children and Young Adults With Tumors Harboring Activating Mitogen-Activated Protein Kinase Pathway Genetic Alterations: Arm E of the NCI-COG Pediatric MATCH Trial. Journal of Clinical Oncology, 2022, 40, 2235-2245.	1.6	21

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55	The role of cytology in the era of HPV-related head and neck carcinoma. Seminars in Diagnostic Pathology, 2015, 32, 250-257.	1.5	20
56	Molecular testing of residual cytology samples: Rethink, reclaim, repurpose. Cancer Cytopathology, 2019, 127, 15-17.	2.4	20
57	Evaluation of the Oncomine Pan-Cancer Cell-Free Assay for Analyzing Circulating Tumor DNA in the Cerebrospinal Fluid in Patients with Central Nervous System Malignancies. Journal of Molecular Diagnostics, 2021, 23, 171-180.	2.8	20
58	The value of a tiered cytology diagnostic reporting system in assessing the risk of malignancy in indeterminate serous effusions. Cancer Cytopathology, 2021, 129, 75-82.	2.4	19
59	MET Abnormalities in Patients With Genitourinary Malignancies and Outcomes With c-MET Inhibitors. Clinical Genitourinary Cancer, 2015, 13, e19-e26.	1.9	18
60	Current and future trends in non–small cell lung cancer biomarker testing: The American experience. Cancer Cytopathology, 2020, 128, 629-636.	2.4	18
61	Pulmonary Pathology Society Perspective on the 2018 American Thoracic Society, European Respiratory Society, Japanese Respiratory Society, and Latin American Thoracic Society Idiopathic Pulmonary Fibrosis Clinical Practice Guidelines. Annals of the American Thoracic Society, 2020, 17, 550-554.	3.2	17
62	Survival rates in T1 and T2 gastric cancer: A Western report. Journal of Surgical Oncology, 2016, 114, 602-606.	1.7	16
63	Risk of peritoneal metastases in patients who had negative peritoneal staging and received therapy for localized gastric adenocarcinoma. Journal of Surgical Oncology, 2018, 117, 678-684.	1.7	16
64	Yield of peritoneal cytology in staging patients with gastric and gastroesophageal cancer. Journal of Surgical Oncology, 2019, 120, 1350-1357.	1.7	16
65	Bcl11b prevents catastrophic autoimmunity by controlling multiple aspects of a regulatory T cell gene expression program. Science Advances, 2019, 5, eaaw0706.	10.3	15
66	Immunocytochemistry of cytology specimens for predictive biomarkers in lung cancer. Translational Lung Cancer Research, 2020, 9, 898-905.	2.8	15
67	Cytomorphology of primary pulmonary NUT carcinoma in different cytology preparations. Cancer Cytopathology, 2021, 129, 53-61.	2.4	15
68	COVIDâ€19 pandemic impact on cytopathology practice in the postâ€lockdown period: An international, multicenter study. Cancer Cytopathology, 2022, 130, 344-351.	2.4	15
69	The usefulness of various cytologic specimen preparations for PD-L1 immunostaining in non-small cell lung carcinoma. Journal of the American Society of Cytopathology, 2018, 7, 324-332.	0.5	14
70	Small but powerful: the promising role of small specimens for biomarker testing. Journal of the American Society of Cytopathology, 2020, 9, 450-460.	0.5	14
71	Staging laparoscopy and peritoneal cytology in patients with early stage gastric adenocarcinoma. World Journal of Surgical Oncology, 2020, 18, 39.	1.9	14
72	Genome-wide copy number aberrations and HER2 and FGFR1 alterations in primary breast cancer by molecular inversion probe microarray. Oncotarget, 2017, 8, 10845-10857.	1.8	14

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73	The professional Twitter account: creation, proper maintenance, and continuous successful operation. Diagnostic Cytopathology, 2017, 45, 621-628.	1.0	13
74	Phase I Trial of Hyperthermic Intraperitoneal Chemoperfusion (HIPEC) with Cisplatin, Mitomycin, and Paclitaxel in Patients with Gastric Adenocarcinoma and Associated Carcinomatosis or Positive Cytology. Annals of Surgical Oncology, 2020, 27, 2806-2811.	1.5	13
75	Utility of BRCA1â€associated protein 1 immunoperoxidase stain to differentiate benign versus malignant mesothelial proliferations in cytologic specimens. Diagnostic Cytopathology, 2017, 45, 312-319.	1.0	12
76	Evaluating Mismatch Repair/Microsatellite Instability Status Using Cytology Effusion Specimens to Determine Eligibility for Immunotherapy. Archives of Pathology and Laboratory Medicine, 2021, 145, 46-54.	2.5	12
77	Evaluation of programmed death ligand 1 expression in cytology to determine eligibility for immune checkpoint inhibitor therapy in patients with head and neck squamous cell carcinoma. Cancer Cytopathology, 2022, 130, 110-119.	2.4	12
78	EUS and EUS-guided FNA/core biopsies in the evaluation of subepithelial lesions of the lower gastrointestinal tract: 10-year experience. Endoscopic Ultrasound, 2020, 9, 329.	1.5	12
79	#EBUSTwitter: Novel Use of Social Media for Conception, Coordination, and Completion of an International, Multicenter Pathology Study. Archives of Pathology and Laboratory Medicine, 2020, 144, 878-882.	2.5	11
80	Adequacy of small biopsy and cytology specimens for comprehensive genomic profiling of patients with non-small-cell lung cancer to determine eligibility for immune checkpoint inhibitor and targeted therapy. Journal of Clinical Pathology, 2022, 75, 612-619.	2.0	11
81	Displaced Cartilage Within Lymph Node Parenchyma Is a Novel Biopsy Site Change in Resected Mediastinal Lymph Nodes Following EBUS-TBNA. American Journal of Surgical Pathology, 2019, 43, 497-503.	3.7	10
82	Simplified molecular classification of lung adenocarcinomas based on EGFR, KRAS, and TP53 mutations. BMC Cancer, 2020, 20, 83.	2.6	10
83	Patient-derived cell lines and orthotopic mouse model of peritoneal carcinomatosis recapitulate molecular and phenotypic features of human gastric adenocarcinoma. Journal of Experimental and Clinical Cancer Research, 2021, 40, 207.	8.6	10
84	A Twitter primer: Dos and don'ts for cytopathologists. Diagnostic Cytopathology, 2017, 45, 577-579.	1.0	9
85	Reference standards for gene fusion molecular assays on cytological samples: an international validation study. Journal of Clinical Pathology, 2023, 76, 47-52.	2.0	9
86	Molecular Pathology of Lung Cancer. Surgical Pathology Clinics, 2021, 14, 369-377.	1.7	9
87	Advances in Molecular Testing Techniques in Cytologic Specimens. Surgical Pathology Clinics, 2018, 11, 669-677.	1.7	8
88	Decrease in tumor content assessed in biopsies is associated with improved treatment outcome response to pembrolizumab in patients with rare tumors. , 2020, 8, e000665.		8
89	Upfront molecular profiling of pancreatic cancer patients – An idea whose time has come. Pancreatology, 2020, 20, 391-393.	1.1	8
90	Advances in cytology of lung cancer. Seminars in Diagnostic Pathology, 2021, 38, 109-115.	1.5	7

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91	Distinct Gene Mutations Are Associated With Clinicopathologic Features in Urachal Carcinoma. American Journal of Clinical Pathology, 2022, 158, 263-269.	0.7	7
92	Next-generation sequencing of central nervous systems tumors: the future of personalized patient management. Neuro-Oncology, 2016, 18, 308-310.	1.2	6
93	Big data from small samples: Informatics of nextâ€generation sequencing in cytopathology. Cancer Cytopathology, 2017, 125, 236-244.	2.4	6
94	Social media expands the reach of the 2017 ASC Annual Meeting. Journal of the American Society of Cytopathology, 2018, 7, 219-223.	0.5	6
95	Detection of EGFR T790M Mutation by Droplet Digital Polymerase Chain Reaction in Lung Carcinoma Cytology Samples. Archives of Pathology and Laboratory Medicine, 2020, 144, 997-1002.	2.5	6
96	Primary pancreatic Ewing sarcoma: a cytomorphologic and histopathologic study of 13 cases. Journal of the American Society of Cytopathology, 2020, 9, 502-512.	0.5	6
97	Factors Impacting Clinically Relevant RNA Fusion Assays Using Next-Generation Sequencing. Archives of Pathology and Laboratory Medicine, 2021, 145, 1405-1412.	2.5	6
98	Cytologic Investigations for the Diagnosis of Malignant Pleural Effusion in Non–small Cell Lung Cancer. Journal of Bronchology and Interventional Pulmonology, 2021, 28, 310-321.	1.4	6
99	Adequacy evaluation and use of pancreatic adenocarcinoma specimens for nextâ€generation sequencing acquired by endoscopic ultrasound–guided FNA and FNB. Cancer Cytopathology, 2022, 130, 275-283.	2.4	6
100	The use of cytological material in melanoma for programmed death ligand 1 immunostaining. Cytopathology, 2019, 30, 61-67.	0.7	5
101	Tumorâ€derived cellâ€free DNA in body cavity effusion supernatants: A promising alternative for genomic profiling. Cancer Cytopathology, 2020, 128, 14-16.	2.4	5
102	Diagnostic value of digital droplet polymerase chain reaction and digital multiplexed detection of single-nucleotide variants in pancreatic cytology specimens collected by EUS-guided FNA. Gastrointestinal Endoscopy, 2021, 93, 1142-1151.e2.	1.0	5
103	Implementation of a Novel Web-Based Lesion Selection Tool to Improve Acquisition of Tumor Biopsy Specimens. Journal of Immunotherapy and Precision Oncology, 2021, 4, 45-52.	1.4	5
104	A decade of change: Trends in the practice of cytopathology at a tertiary care cancer centre. Cytopathology, 2021, 32, 604-610.	0.7	4
105	Utility of SOX11 for the diagnosis of solid pseudopapillary neoplasm of the pancreas on cytological preparations. Cytopathology, 2022, 33, 216-221.	0.7	4
106	Prior systemic treatment increased the incidence of somatic mutations in metastatic breast cancer. European Journal of Cancer, 2018, 89, 64-71.	2.8	3
107	Renal medullary carcinoma involving serous cavity fluids: a cytomorphologic study of 12 cases. Journal of the American Society of Cytopathology, 2021, 10, 187-196.	0.5	3
108	Becoming an Engaged Pathologist. Archives of Pathology and Laboratory Medicine, 2019, 143, 149-150.	2.5	2

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109	Modern Cytopathology: An evolving field. Cytopathology, 2021, 32, 560-561.	0.7	2
110	Emergence of mTOR mutation as an acquired resistance mechanism to AKT inhibition, and subsequent response to mTORC1/2 inhibition. Npj Precision Oncology, 2021, 5, 99.	5.4	2
111	Editorial: Advances in Molecular Cytopathology. Frontiers in Medicine, 2022, 9, 851949.	2.6	2
112	Adrenocorticotropic hormoneâ€producing thymic neuroendocrine carcinoma with oncocytic features: A case report and review of literature. Diagnostic Cytopathology, 2015, 43, 329-334.	1.0	1
113	Challenges in next generation sequencing analysis of somatic mutations in transplant patients. Cancer Genetics, 2018, 226-227, 17-22.	0.4	1
114	Molecular Cytopathology: Final Thoughts and Future Directions. , 2019, , 517-528.		1
115	Key Highlights for the College of American Pathology Statement on Collection and Handling of Thoracic Small Biopsy and Cytology Specimens for Ancillary Studies. Chest, 2020, 158, 2282-2284.	0.8	1
116	The world of molecular cytopathology: Predictive testing and precision medicine: Highlights from the eighth International Molecular Cytopathology Meeting in Naples, Italy. Cancer Cytopathology, 2020, 128, 599-600.	2.4	1
117	A new guideline from the College of American Pathologists to improve the adequacy of thoracic small specimens for ancillary studies. Cancer Cytopathology, 2020, 128, 690-692.	2.4	1
118	Exercise-induced haemoptysis as a rare presentation of a rare lung disease. Thorax, 2016, 71, 865-868.	5.6	0
119	Recommendations for Ancillary Testing. , 2019, , 125-142.		Ο
120	Molecular Cytopathology Correlations: Interpretation of Molecular Diagnostic Results. , 2019, , 161-178.		0
121	Diagnostic Molecular Pathology. , 2020, , 2145-2159.		Ο
122	Collection and Handling of Thoracic Small Biopsy and Cytology Specimens for Ancillary Studies: Guidelines from the College of American Pathologists (CAP). Journal of Molecular Pathology, 2021, 2, 23-28.	1.2	0
123	Pancreatic neuroendocrine tumor masquerading as metastasis in a patient with esophageal cancer: Diagnosis by endoscopic ultrasound-guided fine-needle aspiration. Journal of Digestive Endoscopy, 2016, 07, 080-082.	0.2	0