

Marina N Nikiforova

List of Publications by Citations

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93
papers

12,729
citations

47
h-index

98
g-index

98
ext. papers

14,639
ext. citations

6
avg, IF

6.23
L-index

#	Paper	IF	Citations
93	High prevalence of BRAF mutations in thyroid cancer: genetic evidence for constitutive activation of the RET/PTC-RAS-BRAF signaling pathway in papillary thyroid carcinoma. <i>Cancer Research</i> , 2003 , 63, 1454-7	10.1	977
92	Nomenclature Revision for Encapsulated Follicular Variant of Papillary Thyroid Carcinoma: A Paradigm Shift to Reduce Overtreatment of Indolent Tumors. <i>JAMA Oncology</i> , 2016 , 2, 1023-9	13.4	895
91	BRAF mutations in thyroid tumors are restricted to papillary carcinomas and anaplastic or poorly differentiated carcinomas arising from papillary carcinomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 5399-404	5.6	836
90	Standards and Guidelines for the Interpretation and Reporting of Sequence Variants in Cancer: A Joint Consensus Recommendation of the Association for Molecular Pathology, American Society of Clinical Oncology, and College of American Pathologists. <i>Journal of Molecular Diagnostics</i> , 2017 , 19, 4-23	5.1	744
89	Molecular genetics and diagnosis of thyroid cancer. <i>Nature Reviews Endocrinology</i> , 2011 , 7, 569-80	15.2	632
88	Impact of mutational testing on the diagnosis and management of patients with cytologically indeterminate thyroid nodules: a prospective analysis of 1056 FNA samples. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 3390-7	5.6	614
87	Molecular testing for mutations in improving the fine-needle aspiration diagnosis of thyroid nodules. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 2092-8	5.6	590
86	RAS point mutations and PAX8-PPAR gamma rearrangement in thyroid tumors: evidence for distinct molecular pathways in thyroid follicular carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 2318-26	5.6	557
85	MicroRNA expression profiling of thyroid tumors: biological significance and diagnostic utility. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1600-8	5.6	485
84	Highly accurate diagnosis of cancer in thyroid nodules with follicular neoplasm/suspicious for a follicular neoplasm cytology by ThyroSeq v2 next-generation sequencing assay. <i>Cancer</i> , 2014 , 120, 3627-34	6.4	379
83	Targeted next-generation sequencing panel (ThyroSeq) for detection of mutations in thyroid cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E1852-60	5.6	344
82	Molecular Profile and Clinical-Pathologic Features of the Follicular Variant of Papillary Thyroid Carcinoma. <i>American Journal of Clinical Pathology</i> , 2003 , 120, 71-77	1.9	338
81	Guidelines for Validation of Next-Generation Sequencing-Based Oncology Panels: A Joint Consensus Recommendation of the Association for Molecular Pathology and College of American Pathologists. <i>Journal of Molecular Diagnostics</i> , 2017 , 19, 341-365	5.1	310
80	Oncogenic AKAP9-BRAF fusion is a novel mechanism of MAPK pathway activation in thyroid cancer. <i>Journal of Clinical Investigation</i> , 2005 , 115, 94-101	15.9	307
79	PAX8-PPARgamma rearrangement in thyroid tumors: RT-PCR and immunohistochemical analyses. <i>American Journal of Surgical Pathology</i> , 2002 , 26, 1016-23	6.7	298
78	Impact of the Multi-Gene ThyroSeq Next-Generation Sequencing Assay on Cancer Diagnosis in Thyroid Nodules with Atypia of Undetermined Significance/Follicular Lesion of Undetermined Significance Cytology. <i>Thyroid</i> , 2015 , 25, 1217-23	6.2	282
77	Molecular diagnostics and predictors in thyroid cancer. <i>Thyroid</i> , 2009 , 19, 1351-61	6.2	258

76	Molecular genetics of thyroid cancer: implications for diagnosis, treatment and prognosis. <i>Expert Review of Molecular Diagnostics</i> , 2008 , 8, 83-95	3.8	227
75	MicroRNA signature distinguishes the degree of aggressiveness of papillary thyroid carcinoma. <i>Annals of Surgical Oncology</i> , 2011 , 18, 2035-41	3.1	192
74	Identification of the transforming STRN-ALK fusion as a potential therapeutic target in the aggressive forms of thyroid cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4233-8	11.5	191
73	Analytical performance of the ThyroSeq v3 genomic classifier for cancer diagnosis in thyroid nodules. <i>Cancer</i> , 2018 , 124, 1682-1690	6.4	180
72	Prevalence of RET/PTC rearrangements in thyroid papillary carcinomas: effects of the detection methods and genetic heterogeneity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 3603-10	5.6	174
71	Performance of a Multigene Genomic Classifier in Thyroid Nodules With Indeterminate Cytology: A Prospective Blinded Multicenter Study. <i>JAMA Oncology</i> , 2019 , 5, 204-212	13.4	171
70	NTRK fusion oncogenes in pediatric papillary thyroid carcinoma in northeast United States. <i>Cancer</i> , 2016 , 122, 1097-107	6.4	147
69	Sensitive Detection of Mono- and Polyclonal ESR1 Mutations in Primary Tumors, Metastatic Lesions, and Cell-Free DNA of Breast Cancer Patients. <i>Clinical Cancer Research</i> , 2016 , 22, 1130-7	12.9	144
68	Optimizing surgical treatment of papillary thyroid carcinoma associated with BRAF mutation. <i>Surgery</i> , 2009 , 146, 1215-23	3.6	138
67	Low prevalence of BRAF mutations in radiation-induced thyroid tumors in contrast to sporadic papillary carcinomas. <i>Cancer Letters</i> , 2004 , 209, 1-6	9.9	131
66	miRNA expression profiling of lung adenocarcinomas: correlation with mutational status. <i>Modern Pathology</i> , 2010 , 23, 1577-82	9.8	119
65	American Gastroenterological Association guidelines are inaccurate in detecting pancreatic cysts with advanced neoplasia: a clinicopathologic study of 225 patients with supporting molecular data. <i>Gastrointestinal Endoscopy</i> , 2016 , 83, 1107-1117.e2	5.2	116
64	Prevalence of RET/PTC rearrangements in Hashimoto's thyroiditis and papillary thyroid carcinomas. <i>International Journal of Surgical Pathology</i> , 2002 , 10, 15-22	1.2	114
63	Comprehensive MicroRNA expression profiling identifies novel markers in follicular variant of papillary thyroid carcinoma. <i>Thyroid</i> , 2013 , 23, 1383-9	6.2	103
62	MicroRNA expression profiles in thyroid tumors. <i>Endocrine Pathology</i> , 2009 , 20, 85-91	4.2	96
61	MicroRNA expression array identifies novel diagnostic markers for conventional and oncocytic follicular thyroid carcinomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 93, E1-7	5.6	85
60	Molecular characterization of apocrine salivary duct carcinoma. <i>American Journal of Surgical Pathology</i> , 2015 , 39, 744-52	6.7	78
59	Targeted next-generation sequencing panel (GlioSeq) provides comprehensive genetic profiling of central nervous system tumors. <i>Neuro-Oncology</i> , 2016 , 18, 379-87	1	75

58	MicroRNA profile of poorly differentiated thyroid carcinomas: new diagnostic and prognostic insights. <i>Journal of Molecular Endocrinology</i> , 2014 , 52, 181-9	4.5	70
57	Histopathologic and Clinical Characterization of Thyroid Tumors Carrying the BRAF(K601E) Mutation. <i>Thyroid</i> , 2016 , 26, 242-7	6.2	65
56	A Multiplexed Amplicon Approach for Detecting Gene Fusions by Next-Generation Sequencing. <i>Journal of Molecular Diagnostics</i> , 2016 , 18, 165-75	5.1	57
55	LOH in the HLA class I region at 6p21 is associated with shorter survival in newly diagnosed adult glioblastoma. <i>Clinical Cancer Research</i> , 2013 , 19, 1816-26	12.9	57
54	Recurrent Rearrangements in PRKACA and PRKACB in Intraductal Oncocytic Papillary Neoplasms of the Pancreas and Bile Duct. <i>Gastroenterology</i> , 2020 , 158, 573-582.e2	13.3	56
53	Molecular diagnostics of gliomas. <i>Archives of Pathology and Laboratory Medicine</i> , 2011 , 135, 558-68	5	55
52	Next-Generation Sequencing Informatics: Challenges and Strategies for Implementation in a Clinical Environment. <i>Archives of Pathology and Laboratory Medicine</i> , 2016 , 140, 958-75	5	54
51	Molecular Characterization of Sporadic Pediatric Thyroid Carcinoma with the DNA/RNA ThyroSeq v2 Next-Generation Sequencing Assay. <i>Pediatric and Developmental Pathology</i> , 2016 , 19, 115-22	2.2	51
50	Predicting the likelihood of an isocitrate dehydrogenase 1 or 2 mutation in diagnoses of infiltrative glioma. <i>Neuro-Oncology</i> , 2014 , 16, 1478-83	1	51
49	ALK FISH patterns and the detection of ALK fusions by next generation sequencing in lung adenocarcinoma. <i>Oncotarget</i> , 2016 , 7, 82943-82952	3.3	49
48	Clinicopathological comparison of colorectal and endometrial carcinomas in patients with Lynch-like syndrome versus patients with Lynch syndrome. <i>Human Pathology</i> , 2015 , 46, 1616-25	3.7	48
47	Integrating next-generation sequencing to endoscopic retrograde cholangiopancreatography (ERCP)-obtained biliary specimens improves the detection and management of patients with malignant bile duct strictures. <i>Gut</i> , 2020 , 69, 52-61	19.2	48
46	Identification of Targetable Rearrangements in Pancreatic Ductal Adenocarcinoma. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2017 , 15, 555-562	7.3	46
45	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> , 2017 , 125, 615-626	3.9	43
44	Serrated lesions of the appendix frequently harbor KRAS mutations and not BRAF mutations indicating a distinctly different serrated neoplastic pathway in the appendix. <i>Human Pathology</i> , 2014 , 45, 227-35	3.7	43
43	Loss of Chromatin-Remodeling Proteins and/or CDKN2A Associates With Metastasis of Pancreatic Neuroendocrine Tumors and Reduced Patient Survival Times. <i>Gastroenterology</i> , 2018 , 154, 2060-2063.e8 ^{13.3}	13.3	41
42	Preoperative detection of RAS mutation may guide extent of thyroidectomy. <i>Surgery</i> , 2017 , 161, 168-175.6	13.6	39
41	Colorectal poorly differentiated neuroendocrine carcinomas frequently exhibit BRAF mutations and are associated with poor overall survival. <i>Human Pathology</i> , 2016 , 49, 124-34	3.7	36

40	fusion is a mechanism of IGF2BP3 activation and IGF1R signaling in thyroid cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 2307-2312	11.5	34
39	GLIS Rearrangement is a Genomic Hallmark of Hyalinizing Trabecular Tumor of the Thyroid Gland. <i>Thyroid</i> , 2019 , 29, 161-173	6.2	34
38	MicroRNA dysregulation in human thyroid cells following exposure to ionizing radiation. <i>Thyroid</i> , 2011 , 21, 261-6	6.2	33
37	Investigation of the Relationship Between Radiation Dose and Gene Mutations and Fusions in Post-Chernobyl Thyroid Cancer. <i>Journal of the National Cancer Institute</i> , 2018 , 110, 371-378	9.7	32
36	Next-generation sequencing-based molecular characterization of primary urinary bladder adenocarcinoma. <i>Modern Pathology</i> , 2017 , 30, 1133-1143	9.8	28
35	Spectrum of TERT promoter mutations and mechanisms of activation in thyroid cancer. <i>Cancer Medicine</i> , 2019 , 8, 5831-5839	4.8	26
34	SeqReporter: automating next-generation sequencing result interpretation and reporting workflow in a clinical laboratory. <i>Journal of Molecular Diagnostics</i> , 2014 , 16, 11-22	5.1	26
33	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> , 2019 , 127, 285-296	3.9	24
32	Benign call rate and molecular test result distribution of ThyroSeq v3. <i>Cancer Cytopathology</i> , 2019 , 127, 161-168	3.9	24
31	The clinical importance of parathyroid atypia: is long-term surveillance necessary?. <i>Surgery</i> , 2015 , 158, 929-35; discussion 935-6	3.6	23
30	Targeted mutation detection in breast cancer using MammaSeq. <i>Breast Cancer Research</i> , 2019 , 21, 22	8.3	22
29	Characterization of thyroid cancer driven by known and novel ALK fusions. <i>Endocrine-Related Cancer</i> , 2019 , 26, 803-814	5.7	19
28	Non-functional pancreatic neuroendocrine tumours: ATRX/DAXX and alternative lengthening of telomeres (ALT) are prognostically independent from ARX/PDX1 expression and tumour size. <i>Gut</i> , 2021 ,	19.2	15
27	DNA testing of pancreatic cyst fluid: is it ready for prime time?. <i>The Lancet Gastroenterology and Hepatology</i> , 2017 , 2, 63-72	18.8	14
26	Cancer risk and clinicopathological characteristics of thyroid nodules harboring thyroid-stimulating hormone receptor gene mutations. <i>Diagnostic Cytopathology</i> , 2018 , 46, 369-377	1.4	14
25	Detection of clonal IGH gene rearrangements: summary of molecular oncology surveys of the College of American Pathologists. <i>Archives of Pathology and Laboratory Medicine</i> , 2007 , 131, 185-9	5	14
24	Mutations of TSHR and TP53 Genes in an Aggressive Clear Cell Follicular Carcinoma of the Thyroid. <i>Endocrine Pathology</i> , 2015 , 26, 315-9	4.2	13
23	Targeted Next-Generation Sequencing Analysis of a Pendred Syndrome-Associated Thyroid Carcinoma. <i>Endocrine Pathology</i> , 2016 , 27, 70-5	4.2	12

22	Thyroid cytology smear slides: An untapped resource for ThyroSeq testing. <i>Cancer Cytopathology</i> , 2021 , 129, 33-42	3.9	9
21	KRAS amplification in metastatic colon cancer is associated with a history of inflammatory bowel disease and may confer resistance to anti-EGFR therapy. <i>Modern Pathology</i> , 2020 , 33, 1832-1843	9.8	8
20	GLIS rearrangements in thyroid nodules: A key to preoperative diagnosis of hyalinizing trabecular tumor. <i>Cancer Cytopathology</i> , 2019 , 127, 560-566	3.9	7
19	MiRNAs Are Involved in Tall Cell Morphology in Papillary Thyroid Carcinoma. <i>Cancers</i> , 2019 , 11,	6.6	7
18	Detection of SYT-SSX rearrangements in synovial sarcomas by real-time one-step RT-PCR. <i>Pediatric and Developmental Pathology</i> , 2005 , 8, 162-7	2.2	6
17	Molecular alterations in Hürthle cell nodules and preoperative cancer risk. <i>Endocrine-Related Cancer</i> , 2021 , 28, 301-309	5.7	6
16	Characterization of Activating Mutations of the Gene in Papillary Thyroid Carcinomas. <i>Thyroid</i> , 2019 , 29, 1279-1285	6.2	5
15	Clinical Implementation and Validation of Automated Human Genome Variation Society (HGVS) Nomenclature System for Next-Generation Sequencing-Based Assays for Cancer. <i>Journal of Molecular Diagnostics</i> , 2018 , 20, 628-634	5.1	5
14	Interactive Browser-Based Genomics Data Visualization Tools for Translational and Clinical Laboratory Applications. <i>Journal of Molecular Diagnostics</i> , 2019 , 21, 985-993	5.1	4
13	The histopathology of SPINK1-associated chronic pancreatitis. <i>Pancreatology</i> , 2020 , 20, 1648-1655	3.8	4
12	Clinicopathologic Characteristics of Thyroid Nodules Positive for the Fusion on Preoperative Molecular Analysis. <i>Thyroid</i> , 2021 , 31, 1212-1218	6.2	4
11	Limitations of Detecting Genetic Variants from the RNA Sequencing Data in Tissue and Fine-Needle Aspiration Samples. <i>Thyroid</i> , 2021 , 31, 589-595	6.2	4
10	Is Next-Generation Sequencing Alone Sufficient to Reliably Diagnose Gliomas?. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020 , 79, 763-766	3.1	3
9	Response of relapsed central nervous system hairy cell leukemia to vemurafenib. <i>Leukemia and Lymphoma</i> , 2016 , 57, 2952-2954	1.9	3
8	Prevalence and Spectrum of DICER1 Mutations in Adult-onset Thyroid Nodules with Indeterminate Cytology. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, 968-977	5.6	3
7	Risk assessment for distant metastasis in differentiated thyroid cancer using molecular profiling: A matched case-control study. <i>Cancer</i> , 2021 , 127, 1779-1787	6.4	3
6	Can TP53-mutant follicular adenoma be a precursor of anaplastic thyroid carcinoma?. <i>Endocrine-Related Cancer</i> , 2021 , 28, 621-630	5.7	2
5	Incidental Diagnosis of Parathyroid Lesions by Preoperative Use of Next-Generation Molecular Testing. <i>World Journal of Surgery</i> , 2018 , 42, 2840-2845	3.3	1

- 4 AuthorsSReply. *Journal of Molecular Diagnostics*, **2018**, 20, 125-126 5.1 ○
- 3 Targeted next-generation sequencing supports serrated epithelial change as an early precursor to inflammatory bowel disease-associated colorectal neoplasia. *Human Pathology*, **2021**, 112, 9-19 3.7 ○
- 2 Molecular profiling of papillary thyroid carcinomas in healthcare workers exposed to low dose radiation at the workplace.. *Endocrine*, **2022**, 76, 95 4
- 1 Examination of Chromosome 1p Alterations in Glioblastomas. *FASEB Journal*, **2007**, 21, A393 0.9