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MicroRNA history: discovery, recent applications, and next frontiers

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#	Paper IF	Citations
317	The Aicardi-GoutiEes syndrome. Molecular and clinical features of RNAse deficiency and microRNA overload. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011 , 717, 99-108 ³⁻³	25
316	Factors Affecting EWS-FLI1 Activity in Ewing's Sarcoma. 2011 , 2011, 352580	14
315	Interactome of Radiation-Induced microRNA-Predicted Target Genes. 2012, 2012, 569731	18
314	Epigenetic deregulation of microRNAs in rhabdomyosarcoma and neuroblastoma and translational perspectives. 2012 , 13, 16554-79	9
313	Comparing the MicroRNA spectrum between serum and plasma. 2012 , 7, e41561	449
312	Endometrial miR-181a and miR-98 expression is altered during transition from normal into cancerous state and target PGR, PGRMC1, CYP19A1, DDX3X, and TIMP3. 2012 , 97, E1316-26	55
311	miR-93/106b and their host gene, MCM7, are differentially expressed in leiomyomas and functionally target F3 and IL-8. 2012 , 26, 1028-42	78
310	Decoy activity through microRNAs: the therapeutic implications. 2012 , 12, 1153-9	22
309	Tumor suppressive microRNA-133a regulates novel molecular networks in lung squamous cell carcinoma. 2012 , 57, 38-45	96
308	Plasma components affect accuracy of circulating cancer-related microRNA quantitation. 2012, 14, 71-80	129
307	Strand-specific miR-28-5p and miR-28-3p have distinct effects in colorectal cancer cells. 2012 , 142, 886-896.es	9 151
306	Sensitive PCR-based quantitation of cell-free circulating microRNAs. 2012 , 58, 144-50	30
305	IRE1E leaves select microRNAs during ER stress to derepress translation of proapoptotic Caspase-2. 2012 , 338, 818-22	457
304	MicroRNAs as therapeutic targets and their potential applications in cancer therapy. 2012 , 16, 747-59	53
303	A systematic screen reveals MicroRNA clusters that significantly regulate four major signaling pathways. 2012 , 7, e48474	24
302	Intratumoral heterogeneity of microRNA expression in breast cancer. 2012 , 14, 376-84	28
301	MicroRNA expression profiling in archival tissue specimens: methods and data processing. 2012 , 50, 159-69	8

300	Dysregulated microRNAs in non-cirrhotic hepatocellular carcinoma. 2013 , 35, 759-765	5
299	The role of microRNAs in medulloblastoma. 2013 , 30, 367-78	14
298	MicroRNA and myocardial infarction: a mystery turning into glory?. 2013 , 62, 999-1001	11
297	Analysis of the microRNA transcriptome and expression of different isomiRs in human peripheral blood mononuclear cells. 2013 , 6, 390	20
296	Heart failure. 2013 , 1, 1-20	481
295	MicroRNAs in kidney disease: an emerging understanding. 2013 , 61, 798-808	35
294	RNAi in Cancer Therapy. 2013 , 271-307	
293	Mechanisms of thrombosis in obesity. 2013 , 20, 437-44	152
292	Identification of microRNA-mRNA functional interactions in UVB-induced senescence of human diploid fibroblasts. 2013 , 14, 224	44
291	Plant MicroRNAs Responsive to Fungal Infection. 2014 , 941-944, 1141-1145	1
290	Inactivation of p53 is insufficient to allow B cells and B-cell lymphomas to survive without Dicer. 2014 , 74, 3923-34	17
289	miRNA-based therapies: strategies and delivery platforms for oligonucleotide and non-oligonucleotide agents. 2014 , 6, 1967-84	159
288	miR-202 expression concentration and its clinical significance in the serum of multiple myeloma patients. 2014 , 51, 543-9	22
287	Regulatory role of miRNAs in polyamine gene expression in the prefrontal cortex of depressed suicide completers. 2014 , 17, 23-32	7 ²
286	MicroRNA-214 protects cardiac myocytes against H2O2-induced injury. 2014 , 115, 93-101	61
285	Fast selection of miRNA candidates based on large-scale pre-computed MFE sets of randomized sequences. 2014 , 7, 34	7
284	MicroRNA-499 rs3746444 polymorphism and autoimmune diseases risk: a meta-analysis. 2014 , 18, 237-42	15
283	Self-reporting hybridisation assay for miRNA analysis. 2014 , 139, 1088-92	5

282	Novel microRNA-like viral small regulatory RNAs arising during human hepatitis A virus infection. 2014 , 28, 4381-93	22
281	Absolute and direct microRNA quantification using DNA-gold nanoparticle probes. 2014 , 136, 2264-7	317
280	MicroRNAs and head and neck cancer: reviewing the first decade of research. 2014 , 50, 2619-35	56
279	Identification and validation of a novel microRNA-like molecule derived from a cytoplasmic RNA virus antigenome by bioinformatics and experimental approaches. 2014 , 11, 121	24
278	Multiple functions of hypoxia-regulated miR-210 in cancer. 2014 , 33, 50	112
277	MicroRNA-30a suppresses breast tumor growth and metastasis by targeting metadherin. 2014 , 33, 3119-28	129
276	MicroRNA-455 regulates brown adipogenesis via a novel HIF1an-AMPK-PGC1Bignaling network. 2015 , 16, 1378-93	100
275	Downregulation of microRNA-210 inhibits osteosarcoma growth in vitro and in vivo. 2015 , 12, 3674-3680	9
274	MiR-181b regulates cisplatin chemosensitivity and metastasis by targeting TGFR1/Smad signaling pathway in NSCLC. 2015 , 5, 17618	48
273	MiR-564 functions as a tumor suppressor in human lung cancer by targeting ZIC3. 2015 , 467, 690-6	23
272	Negative Regulation of miR-375 by Interleukin-10 Enhances Bone Marrow-Derived Progenitor Cell-Mediated Myocardial Repair and Function After Myocardial Infarction. 2015 , 33, 3519-29	59
271	Micro-Ribonucleic Acid and Carcinogenesis: Breast Cancer as an Example. 2015 , 9, 279	3
270	MicroRNAs Regulate Mitochondrial Function in Cerebral Ischemia-Reperfusion Injury. 2015 , 16, 24895-917	51
269	Introduction to microRNAs: Biogenesis, Action, Relevance of Tissue microRNAs in Disease Pathogenesis, Diagnosis and Therapy-The Concept of Circulating microRNAs. 2015 , 106, 3-30	4
268	MiR-132 inhibits cell proliferation, invasion and migration of hepatocellular carcinoma by targeting PIK3R3. 2015 , 47, 1585-93	54
267	miRNAs in urine: a mirror image of kidney disease?. 2015 , 15, 361-74	25
266	Thinking small: towards microRNA-based therapeutics for anxiety disorders. 2015 , 24, 529-42	28
265	Circulating microRNAs in lung cancer: Prospects for diagnosis, prognosis, and prediction of antitumor treatment efficacy. 2015 , 49, 48-57	7

(2016-2015)

264	MiR-154-5p regulates osteogenic differentiation of adipose-derived mesenchymal stem cells under tensile stress through the Wnt/PCP pathway by targeting Wnt11. 2015 , 78, 130-41	58
263	Regulatory networks between neurotrophins and miRNAs in brain diseases and cancers. 2015 , 36, 149-57	35
262	Downregulation of microRNA-21 expression restrains non-small cell lung cancer cell proliferation and migration through upregulation of programmed cell death 4. 2015 , 22, 23-9	75
261	MicroRNA-193a-3p and -5p suppress the metastasis of human non-small-cell lung cancer by downregulating the ERBB4/PIK3R3/mTOR/S6K2 signaling pathway. 2015 , 34, 413-23	213
260	miR-196, an Emerging Cancer Biomarker for Digestive Tract Cancers. 2016 , 7, 650-5	38
259	Circulating MicroRNAs: Potential and Emerging Biomarkers for Diagnosis of Human Infectious Diseases. 2016 , 7, 1274	66
258	Novel approaches toward managing the micromanagers: 'non-toxic' but effective. 2016 , 23, 697-698	5
257	The Liquid Biopsies: A New Important Step in Cancer Research. 2016 , 85-115	
256	Mammalian microRNA: an important modulator of host-pathogen interactions in human viral infections. 2016 , 23, 74	20
255	MicroRNA profiling in human breast cancer cell lines exposed to the anti-neoplastic drug cediranib. 2016 , 36, 3197-3206	6
254	Isothermal amplification and graphene based detection of circulating multiplex miRNAs. 2016,	
253	MiRNAs: potential diagnostic and therapeutic targets for cerebral ischaemia. 2016 , 38, 86-92	11
252	MiR-506 functions as a tumor suppressor in glioma by targeting STAT3. 2016 , 35, 1057-64	32
251	The role of microRNAs in colorectal cancer. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 84, 705-713 7.5	116
250	Long noncoding RNA dysregulation in ischemic heart failure. 2016 , 14, 183	138
249	The role of microRNA in periodontal tissue: A review of the literature. 2016 , 72, 66-74	40
248	Oligonucleotide-based label-free detection with optical microresonators: strategies and challenges. 2016 , 16, 2572-95	13
247	The miR-143/miR-145 cluster and the tumor microenvironment: unexpected roles. 2016 , 8, 29	23

246	Therapeutic nucleic acids: current clinical status. 2016 , 82, 659-72	139
245	Direct detection of endogenous MicroRNAs and their post-transcriptional modifications in cancer serum by capillary electrophoresis-mass spectrometry. 2016 , 408, 2891-9	28
244	Relationship of cell-free urine MicroRNA with lupus nephritis in children. 2016 , 14, 4	13
243	Non-Coding RNAs in Thyroid Cancer. 2016 , 27, 12-20	52
242	Computational identification and characterization of miRNAs and their target genes from five cyprinidae fishes. 2017 , 24, 1126-1135	5
241	microRNAs Databases: Developmental Methodologies, Structural and Functional Annotations. 2017 , 9, 357-377	18
240	miRNAs target databases: developmental methods and target identification techniques with functional annotations. 2017 , 74, 2239-2261	20
239	CD73/NT5E is a target of miR-30a-5p and plays an important role in the pathogenesis of non-small cell lung cancer. 2017 , 16, 34	89
238	Systems biology combining human- and animal-data miRNA and mRNA data identifies new targets in ureteropelvic junction obstruction. 2017 , 11, 31	8
237	miR-365 targets ADAM10 and suppresses the cell growth and metastasis of hepatocellular carcinoma. 2017 , 37, 1857-1864	20
236	Regulation of AGR2 expression via 3'UTR shortening. 2017 , 356, 40-47	8
235	MicroRNAs as biomarkers for psychiatric disorders with a focus on autism spectrum disorder: Current progress in genetic association studies, expression profiling, and translational research. 2017 , 10, 1184-1203	31
234	miRNA profiling of primary lung and head and neck squamous cell carcinomas: Addressing a diagnostic dilemma. 2017 , 154, 714-727	13
233	MicroRNA-34 dysregulation in gastric cancer and gastric cancer stem cell. 2017 , 39, 1010428317701652	26
232	Detection of microRNA by Electrocatalytic Amplification: A General Approach for Single-Particle Biosensing. 2017 , 139, 7657-7664	100
231	Role of the microRNA-29 family in fibrotic skin diseases. 2017 , 6, 599-604	23
230	Following MicroRNAs Through the Cancer Metastatic Cascade. 2017 , 333, 173-228	4
229	A Circulating MicroRNA Signature Capable of Assessing the Risk of Hepatocellular Carcinoma in Cirrhotic Patients. 2017 , 7, 523	26

(2017-2017)

228	Therapeutic inhibition of miR-375 attenuates post-myocardial infarction inflammatory response and left ventricular dysfunction via PDK-1-AKT signalling axis. 2017 , 113, 938-949	67
227	Fluorescence and SERS Imaging for the Simultaneous Absolute Quantification of Multiple miRNAs in Living Cells. 2017 , 89, 5124-5130	101
226	Tissue MicroRNA profiles as diagnostic and prognostic biomarkers in patients with resectable pancreatic ductal adenocarcinoma and periampullary cancers. 2017 , 5, 8	37
225	Circulating microRNAs: Possible role as non-invasive diagnostic biomarkers in liver disease. 2017 , 41, 370-377	13
224	Standardization procedure for plasma biomarker analysis in rat models of epileptogenesis: Focus on circulating microRNAs. 2017 , 58, 2013-2024	30
223	'Lnc'-ing Wnt in female reproductive cancers: therapeutic potential of long non-coding RNAs in Wnt signalling. 2017 , 174, 4684-4700	47
222	miR-125b predicts childhood acute lymphoblastic leukaemia poor response to BFM chemotherapy treatment. 2017 , 117, 801-812	21
221	MiR-200a expression in CD4+ T cells correlates with the expression of Th17/Treg cells and relevant cytokines in psoriasis vulgaris: A case control study. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 93, 1158-1 $\frac{7}{6}$	21
220	ENi(OH) nanosheets: an effective sensing platform for constructing nucleic acid-based optical sensors. 2017 , 5, 7426-7432	19
219	New IL-15 receptor-Bplicing variants identified in intestinal epithelial Caco-2 cells. 2017 , 23, 44-53	1
218	A simple G-quadruplex molecular beacon-based biosensor for highly selective detection of microRNA. 2017 , 87, 552-557	41
217	Mitochondrial dysfunction and its impact on diabetic heart. 2017 , 1863, 1098-1105	36
216	MicroRNAs in glaucoma and neurodegenerative diseases. 2017 , 62, 105-112	42
215	Epigenetics in Reactive and Reparative Cardiac Fibrogenesis: The Promise of Epigenetic Therapy. 2017 , 232, 1941-1956	27
214	microRNA-503 suppresses the migration, proliferation and colony formation of prostate cancer cells by targeting tumor protein D52 like 2. 2018 , 15, 473-478	11
213	MicroRNA-365 inhibits proliferation, migration and invasion of glioma by targeting PIK3R3. 2017 , 37, 2185-2192	42
212	MicroRNA-21 Limits Uptake of by Macrophages to Reduce the Intracellular Niche and Control Infection. 2017 , 7, 201	22
211	Novel Modulators of Asthma and Allergy: Exosomes and MicroRNAs. 2017 , 8, 826	54

210	miR-195 inhibits macrophages pro-inflammatory profile and impacts the crosstalk with smooth muscle cells. 2017 , 12, e0188530	32
209	Bridging Autism Spectrum Disorders and Schizophrenia through inflammation and biomarkers - pre-clinical and clinical investigations. 2017 , 14, 179	72
208	Role of microRNAs in translation regulation and cancer. 2017 , 8, 45-56	233
207	Extracellular vesicle RNAs reflect placenta dysfunction and are a biomarker source for preterm labour. 2018 , 22, 2760-2773	38
206	Piriformospora indica cell wall extract as the best elicitor for asiaticoside production in Centella asiatica (L.) Urban, evidenced by morphological, physiological and molecular analyses. 2018 , 125, 106-115	17
205	miRNA Analysis. 2018 , 67-92	
204	MiR-147b inhibits cell viability and promotes apoptosis of rat H9c2 cardiomyocytes via down-regulating KLF13 expression. 2018 , 50, 288-297	14
203	Serum miR-486-5p as a diagnostic marker in cervical cancer: with investigation of potential mechanisms. 2018 , 18, 61	44
202	Diagnostic value of strand-specific miRNA-101-3p and miRNA-101-5p for hepatocellular carcinoma and a bioinformatic analysis of their possible mechanism of action. 2018 , 8, 64-84	18
201	miR-195 inhibited abnormal activation of osteoblast differentiation in MC3T3-E1 cells via targeting RAF-1. 2018 , 362, 293-301	3
200	Oligonucleotide therapeutics in neurodegenerative diseases. 2018, 15, 707-714	33
199	Analysis of the polymorphic variants of RAN and GEMIN3 genes and risk of Primary Open-Angle Glaucoma in the Polish population. 2018 , 39, 180-188	1
198	Epigenomics. 2018 , 258-265	2
197	Downregulation of human choline kinase⊞gene expression by miR-876-5p. 2018 , 17, 7442-7450	3
196	RNA Association, RNA Interference, and microRNA Pathways in Dengue Fever Virus-Host Interaction. 2018 ,	1
195	Representation Analysis of miRNA in Urine Microvesicles and Cell-Free Urine in Prostate Diseases. 2018 , 12, 156-163	2
194	An integrated approach of bioinformatic prediction and in vitro analysis identified that miR-34a targets and in triple-negative breast cancer. 2018 , 23, 51	9
193	Sample management for clinical biochemistry assays: Are serum and plasma interchangeable specimens?. 2018 , 55, 480-500	24

192	Large-scale investigation of the reasons why potentially important genes are ignored. 2018 , 16, e2006643	107
191	Clinical significance of microRNA-21 expression in disease progression of patients with hepatocellular carcinoma. 2018 , 12, 1105-1114	24
190	Noncoding RNAs in Retrovirus Replication. 2018 , 421-478	1
189	The deterministic role of 5-mers in microRNA-gene targeting. 2018 , 15, 819-825	9
188	Expression of tumor suppressors miR-195 and let-7a as potential biomarkers of invasive breast cancer. 2018 , 73, e184	18
187	Design of synthetic materials for intracellular delivery of RNAs: From siRNA-mediated gene silencing to CRISPR/Cas gene editing. 2018 , 11, 5310-5337	20
186	Discovering Structural Motifs in miRNA Precursors from the Kingdom. 2018 , 23,	7
185	microRNAs 29, 150, 155, 223 level and their relation to viral and immunological markers in HIV-1 infected naive patients. 2018 , 13, 637-645	9
184	Integrated Analysis Reveals That miR-193b, miR-671, and TREM-1 Correlate With a Good Response to Treatment of Human Localized Cutaneous Leishmaniasis Caused by. 2018 , 9, 640	15
183	Targeting miRNA for Therapy of Juvenile and Adult Diabetic Cardiomyopathy. 2018, 1056, 47-59	10
182	Epigenetics in Toxicology. 2018 , 415-446	1
181	Profiling the circulating miRnome reveals a temporal regulation of the bone injury response. 2018 , 8, 3902-3917	8
180	Overview of MicroRNA Biogenesis, Mechanisms of Actions, and Circulation. 2018, 9, 402	1341
179	The use of cerebrospinal fluid in biomarker studies. 2017 , 146, 3-20	11
178	Three new circulating microRNAs may be associated with wet age-related macular degeneration. 2019 , 79, 388-394	16
177	The Clinical Potential of Oligonucleotide Therapeutics against Pancreatic Cancer. 2019 , 20,	25
176	MiR-195-5p Promotes Cardiomyocyte Hypertrophy by Targeting MFN2 and FBXW7. 2019 , 2019, 1580982	24
175	Variance component analysis of circulating miR-122 in serum from healthy human volunteers. 2019 , 14, e0220406	7

174	MicroRNA-486-3p functions as a tumor suppressor in oral cancer by targeting DDR1. 2019 , 38, 281	39
173	The Impact of Moyamoya Disease and Mutations on the Spectrum of Plasma Protein and MicroRNA. 2019 , 8,	3
172	Detection of Histone Modifications Associated with miRNAs. 2019 , 1932, 347-357	1
171	MicroRNA-34 family: a potential tumor suppressor and therapeutic candidate in cancer. 2019 , 38, 53	169
170	Assessment of microRNA expression in leukemic cells as predictors of sensitivity to purine nucleoside analogs, fludarabine and cladribine, in chronic lymphocytic leukemia patients. 2019 , 11, 5021-5031	2
169	MiR-455-3p, miR-150 and miR-375 are aberrantly expressed in salivary gland adenoid cystic carcinoma and polymorphous adenocarcinoma. 2019 , 48, 840-845	12
168	Intracellular MicroRNA imaging using telomerase-catalyzed FRET ratioflares with signal amplification. 2019 , 10, 7111-7118	22
167	Correlation of myomir-206 and proinflammatory cytokines (IL-16 and IL-17) in patients with rheumatoid arthritis. 2019 , 57, 72-77	7
166	A comprehensive review on miR-451: A promising cancer biomarker with therapeutic potential. 2019 , 234, 21716-21731	15
165	Host and MTB genome encoded miRNA markers for diagnosis of tuberculosis. 2019 , 116, 37-43	16
164	The Influence of Diet on MicroRNAs that Impact Cardiovascular Disease. 2019 , 24,	30
163	Rolling circle amplification and graphene-based sensor-on-a-chip for sensitive detection of serum circulating miRNAs. 2019 , 577, 89-97	14
162	Involvement of aberrant regulation of epigenetic mechanisms in the pathogenesis of Parkinson's disease and epigenetic-based therapies. 2019 , 234, 19307-19319	18
161	Long noncoding RNAs: a missing link in osteoporosis. 2019 , 7, 10	41
160	The potential role of miR-29 in health and cancer diagnosis, prognosis, and therapy. 2019 , 234, 19280-19297	32
159	miR-193: A new weapon against cancer. 2019 , 234, 16861-16872	28
158	Roles of MicroRNA-34a in Epithelial to Mesenchymal Transition, Competing Endogenous RNA Sponging and Its Therapeutic Potential. 2019 , 20,	23
157	MiR-137's Tumor Suppression on Prolactinomas by Targeting MITF and Modulating Wnt Signaling Pathway. 2019 , 104, 6391-6402	8

156	The Expression Profile of MicroRNAs in Small and Large Abdominal Aortic Aneurysms. 2019 , 2019, 8645840	7
155	MicroRNA Detection with Turnover Amplification via Hybridization-Mediated Staudinger Reduction for Pancreatic Cancer Diagnosis. 2019 , 141, 20490-20497	15
154	Technological Challenges and Future Issues for the Detection of Circulating MicroRNAs in Patients With Cancer. 2019 , 7, 815	14
153	DNA complexes as an efficient gene anticancer drug delivery therapy. 2019 , 485-549	
152	Molecular aspects of medicine - Editorial 2019. 2019 , 70, 1-2	O
151	Identification of potential molecular pathogenesis mechanisms modulated by microRNAs in patients with Intestinal Neuronal Dysplasia type B. 2019 , 9, 17673	3
150	The Role of Noncoding RNAs in Gene Regulation. 2019 , 217-235	
149	Effect of Epigenetic Differences in Identical Twins. 2019 , 25-42	
148	miR-221-3p inhibits oxidized low-density lipoprotein induced oxidative stress and apoptosis via targeting a disintegrin and metalloprotease-22. 2019 , 120, 6304-6314	12
147	Interplay of Wnt Etatenin pathway and miRNAs in HBV pathogenesis leading to HCC. 2019, 43, 373-386	9
146	Effect of high fat diet on NF- B microRNA146a negative feedback loop in ovalbumin-sensitized rats. 2019 , 45, 75-84	14
145	Blockade of NEAT1 represses inflammation response and lipid uptake via modulating miR-342-3p in human macrophages THP-1 cells. 2019 , 234, 5319-5326	51
144	Immunomodulatory roles of human herpesvirus-encoded microRNA in host-virus interaction. 2020 , 30, e2081	8
143	TGLI1 transcription factor mediates breast cancer brain metastasis via activating metastasis-initiating cancer stem cells and astrocytes in the tumor microenvironment. 2020 , 39, 64-78	31
142	miRNA Regulation of Glutathione Homeostasis in Cancer Initiation, Progression and Therapy Resistance. 2020 , 9, 187-197	7
141	Molecular techniques for respiratory diseases: MicroRNA and extracellular vesicles. 2020 , 25, 149-160	14
140	Unraveling the Role of MicroRNAs in Mycobacterium tuberculosis Infection and Disease: Advances and Pitfalls. 2020 , 88,	13
139	Modulation of telomerase expression and function by miRNAs: Anti-cancer potential. 2020 , 259, 118387	9

138	MicroRNAs in oral cancer: Biomarkers with clinical potential. 2020 , 110, 105002	8
137	microRNAs in oral cancer: Moving from bench to bed as next generation medicine. 2020 , 111, 104916	7
136	Multifunctional Roles of miR-34a in Cancer: A Review with the Emphasis on Head and Neck Squamous Cell Carcinoma and Thyroid Cancer with Clinical Implications. 2020 , 10,	5
135	Intestinal Expression of miR-130b, miR-410b, and miR-98a in Experimental Canine Echinococcosis by Stem-Loop RT-qPCR. 2020 , 7, 507	3
134	Carvedilol Alters Circulating MiR-1 and MiR-214 in Heart Failure. 2020 , 13, 375-383	2
133	The diagnostic value of miR-92a, -143, and -145 expression levels in patients with colorectal adenocarcinoma from Romania. 2020 , 99, e21895	3
132	Nutraceutical Targeting of Inflammation-Modulating microRNAs in Severe Forms of COVID-19: A Novel Approach to Prevent the Cytokine Storm. 2020 , 11, 602999	6
131	TNF-alpha-induced microglia activation requires miR-342: impact on NF-kB signaling and neurotoxicity. 2020 , 11, 415	36
130	MicroRNA-214 protects L6 skeletal myoblasts against hydrogen peroxide-induced apoptosis. 2020 , 54, 162-172	3
129	miR-206 knockout shows it is critical for myogenesis and directly regulates newly identified target mRNAs. 2020 , 17, 956-965	3
128	miRNA dysregulation in ischaemic stroke: Focus on diagnosis, prognosis, therapeutic and protective biomarkers. 2020 , 52, 3610-3627	12
127	miRNA expression profiling of hereditary breast tumors from BRCA1- and BRCA2-germline mutation carriers in Brazil. 2020 , 20, 143	5
126	Serum miR-125b levels associated with epithelial ovarian cancer (EOC) development and treatment responses. 2020 , 11, 311-317	12
125	The impact of microRNAs on alterations of gene regulatory networks in allergic diseases. 2020 , 120, 237-312	17
124	pol-miR-7133 and pol-miR-3p-9227 of Japanese flounder Paralichthys olivaceus modulate Streptococcus iniae infection through regulation of the common target gene LAMP2. 2020 , 520, 734980	3
123	miR-99a in bone homeostasis: Regulating osteogenic lineage commitment and osteoclast differentiation. 2020 , 134, 115303	9
122	Isothermal digital detection of microRNAs using background-free molecular circuit. 2020, 6, eaay5952	27
121	Role of microRNAs as Clinical Cancer Biomarkers for Ovarian Cancer: A Short Overview. 2020 , 9,	34

120	Potential Clinical Implications of miR-1 and miR-21 in Heart Disease and Cardioprotection. 2020 , 21,	33
119	The Fundamentals of miRNA Biology: Structure, Biogenesis, and Regulatory Functions. 2020 , 46, 1-13	4
118	Biologicals to direct nanotherapeutics towards HER2-positive breast cancers. 2020 , 27, 102197	9
117	CUREing cancer: Development and implementation of a molecular biology-focused course-based undergraduate research experience using a cancer cell culture model. 2021 , 49, 287-297	1
116	Biomarkers in ovarian cancer and saliva: An update. 2, 1	0
115	MicroRNAs Profiling in HIV, HCV, and HIV/HCV Co-Infected Patients. 2021 , 19, 27-34	5
114	Involvement of Astrocytes and microRNA Dysregulation in Neurodegenerative Diseases: From Pathogenesis to Therapeutic Potential. 2021 , 14, 556215	7
113	A Systematic Review of MicroRNAs Involved in Cervical Cancer Progression. 2021 , 10,	3
112	Serum Based miRNA as a Diagnostic Biomarker for Multiple Sclerosis: a Systematic Review and Meta-Analysis. 2021 , 1-16	2
111	Diagnostic and prognostic value of miRNAs on salivary gland tumors: a systematic review and meta-analysis. 2021 , 25, 445-456	Ο
110	MicroRNA Biomarkers of High-Grade Cervical Intraepithelial Neoplasia in Liquid Biopsy. 2021 , 2021, 6650966	2
109	MiR-326 mediates malignant biological behaviors of lung adenocarcinoma by targeting ZEB1. 2021 , 104, 368504211009379	2
108	Extracellular vesicles and their associated miRNAs as potential prognostic biomarkers in chronic lymphocytic leukemia. 2021 , 23, 66	1
107	MicroRNA 320, an Anti-Oncogene Target miRNA for Cancer Therapy. 2021 , 9,	8
106	Comparative Analysis of MicroRNA Expression Profiles Between Skeletal Muscle- and Adipose-Derived Exosomes in Pig. 2021 , 12, 631230	2
105	Relationship between cluster variations and cancer risk: proof from a Meta-analysis. 2021 , 40, 578-591	3
104	Association between long noncoding RNA taurine-upregulated gene 1 and microRNA-377 in vitiligo. 2021 ,	2
103	Monocyte and Macrophage miRNA: Potent Biomarker and Target for Host-Directed Therapy for Tuberculosis. 2021 , 12, 667206	4

102	The negative correlation between miR-140-3-p and Metadherin gene in estrogen and progesterone receptor positiveBreast cancer. 2021 , 23, 101068	
101	The Emerging Role of Long Non-Coding RNAs and MicroRNAs in Neurodegenerative Diseases: A Perspective of Machine Learning. 2021 , 11,	5
100	LncRNA RP11-400K9.4 Aggravates Cardiomyocytes Apoptosis After Hypoxia/Reperfusion Injury by Targeting miR-423. 2021 , 62, 1124-1134	2
99	Microfluidic circulating reactor system for sensitive and automated duplex-specific nuclease-mediated microRNA detection. 2021 , 232, 122396	1
98	Association of miR-499 Polymorphism and Its Regulatory Networks with Hashimoto Thyroiditis Susceptibility: A Population-Based Case-Control Study. 2021 , 22,	0
97	Targeting Wnt/Etatenin signaling by microRNAs as a therapeutic approach in chemoresistant osteosarcoma. 2021 , 193, 114758	3
96	MicroRNA maturation and human disease. 2014 , 1095, 11-25	29
95	The role of microRNAs in biological processes. 2014 , 1107, 15-31	107
94	The Role of Gluten in Autism. 2020 , 24, 469-479	3
93	Cognitive Dynamics of Research Routines: Case Study of MicroRNA. 2020 , 133-152	2
92	Systematic Genome-wide Screening and Prediction of microRNAs in EBOV During the 2014 Ebolavirus Outbreak. 2015 , 5, 9912	30
91	The Role of MicroRNAs in Environmental Risk Factors, Noise-Induced Hearing Loss, and Mental Stress. 2018 , 28, 773-796	37
90	A mouse tissue atlas of small non-coding RNA.	4
89	Isothermal digital detection of microRNA using background-free molecular circuit.	1
88	Inhibition of Microrna-766-5p Attenuates the Development of Cervical Cancer Through Regulating SCAI. 2020 , 19, 1533033820980081	3
87	miR-34b Alleviates High Glucose-Induced Inflammation and Apoptosis in Human HK-2 Cells via IL-6R/JAK2/STAT3 Signaling Pathway. 2019 , 25, 8142-8151	16
86	Deregulated microRNAs in myotonic dystrophy type 2. 2012 , 7, e39732	71
85	Wolbachia-induced aae-miR-12 miRNA negatively regulates the expression of MCT1 and MCM6	46

84	Cell-based small-molecule compound screen identifies fenretinide as potential therapeutic for translocation-positive rhabdomyosarcoma. 2013 , 8, e55072	15
83	Circulating Plasma Levels of MicroRNA-21 and MicroRNA-221 Are Potential Diagnostic Markers for Primary Intrahepatic Cholangiocarcinoma. 2016 , 11, e0163699	45
82	[Representation analysis of miRNA from clarified urine and urine microvesicles in prostate malignancies and non-malignant neoplasms]. 2018 , 64, 38-45	1
81	The role of miR-17-92 in the miRegulatory landscape of Ewing sarcoma. 2017 , 8, 10980-10993	12
80	miR-708-5p: a microRNA with emerging roles in cancer. 2017 , 8, 71292-71316	32
79	MicroRNA-126a-5p enhances myocardial ischemia-reperfusion injury through suppressing Hspb8 expression. 2017 , 8, 94172-94187	8
78	Assessment of micro RNAs expression in leukemic cells as prognostic markers in chronic lymphocytic leukemia: micro RNAs can predict survival in a course of the disease. 2018 , 9, 19136-19146	5
77	NF- B -mediated miR-124 suppresses metastasis of non-small-cell lung cancer by targeting MYO10. 2015 , 6, 8244-54	66
76	miR-195 in human primary mesenchymal stromal/stem cells regulates proliferation, osteogenesis and paracrine effect on angiogenesis. 2016 , 7, 7-22	61
75	The Role of microRNAs in the Viral Infections. 2018, 24, 4659-4667	12
75 74	The Role of microRNAs in the Viral Infections. 2018 , 24, 4659-4667 Regulation of Breast Cancer Progression by Noncoding RNAs. 2020 , 20, 757-767	12
74	Regulation of Breast Cancer Progression by Noncoding RNAs. 2020 , 20, 757-767 miR-31 attenuates murine allergic rhinitis by suppressing interleukin-13-induced nasal epithelial	
74 73	Regulation of Breast Cancer Progression by Noncoding RNAs. 2020, 20, 757-767 miR-31 attenuates murine allergic rhinitis by suppressing interleukin-13-induced nasal epithelial inflammatory responses. 2021, 23, MicroRNA alterations in Barrett's esophagus, esophageal adenocarcinoma, and esophageal adenocarcinoma cell lines following cranberry extract treatment: Insights for chemoprevention.	1 2
74 73 72	Regulation of Breast Cancer Progression by Noncoding RNAs. 2020, 20, 757-767 miR-31 attenuates murine allergic rhinitis by suppressing interleukin-13-induced nasal epithelial inflammatory responses. 2021, 23, MicroRNA alterations in Barrett's esophagus, esophageal adenocarcinoma, and esophageal adenocarcinoma cell lines following cranberry extract treatment: Insights for chemoprevention. 2011, 10, 34 MiRNA molecular profiles in human medical conditions: connecting lung cancer and lung	1 2 16
74 73 72 71	Regulation of Breast Cancer Progression by Noncoding RNAs. 2020, 20, 757-767 miR-31 attenuates murine allergic rhinitis by suppressing interleukin-13-induced nasal epithelial inflammatory responses. 2021, 23, MicroRNA alterations in Barrett's esophagus, esophageal adenocarcinoma, and esophageal adenocarcinoma cell lines following cranberry extract treatment: Insights for chemoprevention. 2011, 10, 34 MiRNA molecular profiles in human medical conditions: connecting lung cancer and lung development phenomena. 2014, 15, 9557-65	1 2 16 21
74 73 72 71 70	Regulation of Breast Cancer Progression by Noncoding RNAs. 2020, 20, 757-767 miR-31 attenuates murine allergic rhinitis by suppressing interleukin-13-induced nasal epithelial inflammatory responses. 2021, 23, MicroRNA alterations in Barrett's esophagus, esophageal adenocarcinoma, and esophageal adenocarcinoma cell lines following cranberry extract treatment: Insights for chemoprevention. 2011, 10, 34 MiRNA molecular profiles in human medical conditions: connecting lung cancer and lung development phenomena. 2014, 15, 9557-65 Circulating microRNAs Correlate with Multiple Myeloma and Skeletal Osteolytic Lesions. 2021, 13,	1 2 16 21
74 73 72 71 70 69	Regulation of Breast Cancer Progression by Noncoding RNAs. 2020, 20, 757-767 miR-31 attenuates murine allergic rhinitis by suppressing interleukin-13-induced nasal epithelial inflammatory responses. 2021, 23, MicroRNA alterations in Barrett's esophagus, esophageal adenocarcinoma, and esophageal adenocarcinoma cell lines following cranberry extract treatment: Insights for chemoprevention. 2011, 10, 34 MiRNA molecular profiles in human medical conditions: connecting lung cancer and lung development phenomena. 2014, 15, 9557-65 Circulating microRNAs Correlate with Multiple Myeloma and Skeletal Osteolytic Lesions. 2021, 13, The Biology of Lysine Acetylation Integrates Transcriptional Programming and Metabolism. 2013, 141-166 Genome-wide Prediction of microRNAs in Zika virus Genomes Reveals Possible Interactions with	1 2 16 21

The Future for Genomic Medicine in Inflammatory Diseases. **2017**, 53-72

65	Landscape of human miRNA variation and conservation using Annotative Database of miRNA Elements, ADmiRE.	
64	OBSOLETE: Epigenomics. 2018 ,	
63	Reading the Book of Life [Omics as a Universal Tool Across Disciplines. 2018 , 73-82	O
62	Host biomarkers for early diagnosis of infectious diseases: A comprehensive review. 2019 , 2, 001-007	3
61	miR-326 inhibits the cell proliferation and cancer stem cell-like property of cervical cancer and oncogenesis via targeting TCF4. 2020 , 8, 1638	4
60	miR-206 knockout shows it is critical for myogenesis and directly regulates newly identified target mRNAs.	
59	Circulating MicroRNAs as Potential Biomarkers in the Diagnosis of Neurosyphilis: A Case Control Study. 2021 , 4, 16-25	O
58	MiRNAs: A New Approach to Predict and Overcome Resistance to Anticancer Drugs. 2020 , 7, 65-77	
57	AKT family and miRNAs expression in IL-2 induced CD4(+)T cells. 2014 , 17, 886-94	4
56	The Role of MicroRNAs in Myeloproliferative Neoplasia. 2016 , 10, 172-85	8
55	Relative Expression of PBMC MicroRNA-133a Analysis in Patients Receiving Warfarin After Mechanical Heart Valve Replacement. 2018 , 10, 29-33	4
54	Long non-coding RNA NEAT1 predicts elevated chronic obstructive pulmonary disease (COPD) susceptibility and acute exacerbation risk, and correlates with higher disease severity, inflammation, and lower miR-193a in COPD patients. 2019 , 12, 2837-2848	7
53	MiRNA-27a-3p induces temozolomide resistance in glioma by inhibiting NF1 level. 2020 , 12, 4749-4756	3
52	Autophagy-related gene 7 deficiency caused by miR-154-5p overexpression suppresses the cell viability and tumorigenesis of retinoblastoma by increasing cell apoptosis. 2020 , 8, 1451	1
51	Extracellular Vesicle-Shuttling MicroRNAs Regulate the Development of Inflammatory Lung Responses. 2018 , 1, 1-4	1
50	Micro-RNA Implications in Type-1 Diabetes Mellitus: A Review of Literature. 2021 , 22,	3
49	MicroRNA-Related Strategies to Improve Cardiac Function in Heart Failure. 2021 , 8, 773083	4

48	Review on combining surface-enhanced Raman spectroscopy and electrochemistry for analytical applications 2022 , 1209, 339250		4
47	MicroRNAs in Neurodegenerative Diseases. 2021 , 1-47		
46	Autophagy-related gene 7 deficiency caused by miR-154-5p overexpression suppresses the cell viability and tumorigenesis of retinoblastoma by increasing cell apoptosis. 2020 , 8, 1451-1451		2
45	Expression Profile of miRs in Mesial Temporal Lobe Epilepsy: Systematic Review 2022 , 23,		1
44	Pyroptosis and Its Regulation in Diabetic Cardiomyopathy 2021 , 12, 791848		1
43	Stress-induced depressive-like behavior in male rats is associated with microglial activation and inflammation dysregulation in the hippocampus in adulthood. 2022 , 99, 397-408		3
42	Sensitive Quantification of MicroRNA in Blood through Multi-amplification Toehold-Mediated DNA-Strand-Displacement Paper-Spray Mass Spectrometry (TSD-PS MS).		
41	Overexpressed PAQR4 predicts poor overall survival and construction of a prognostic nomogram based on PAQR family for hepatocellular carcinoma 2022 , 19, 3069-3090		2
40	Sensitive Quantification of MicroRNA in Blood through Multi-amplification Toehold-Mediated DNA-Strand-Displacement Paper-Spray Mass Spectrometry (TSD-PS MS). 2021 ,		1
39	An Integrated Multiple Electrochemical miRNA Sensing System Embedded into a Microfluidic Chip 2022 , 12,		
38	Distinct Response of Circulating microRNAs to the Treatment of Pancreatic Cancer Xenografts with FGFR and ALK Kinase Inhibitors 2022 , 14,		1
37	Sonoporation of Human Renal Proximal Tubular Epithelial Cells In Vitro to Enhance the Liberation of Intracellular miRNA Biomarkers 2022 ,		Ο
36	MiRNAs as predictors of bipolar disorder diagnosis and treatment response. 2022 , 223-237		
35	MiR-5195-3p functions as a tumor suppressor in prostate cancer via targeting CCNL1 2022 , 27, 25		
34	The Emerging Role of MicroRNAs in Bone Diseases and Their Therapeutic Potential 2021, 27,		2
33	Detection of a miRNA biomarker for cancer diagnosis using SERS tags and magnetic separation 2022 ,		Ο
32	Non-coding RNAs and ferroptosis: potential implications for cancer therapy 2022,		4
31	Roles and mechanisms of miR-195-5p in human solid cancers <i>Biomedicine and Pharmacotherapy</i> , 2022 , 150, 112885	7.5	1



CITATION REPORT

12	Endometrial Carcinoma: Molecular Cytogenetics and Transcriptomic Profile. 2022, 14, 3536	О
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10	Pathophysiology of Ischemic Stroke: Noncoding RNA Role in Oxidative Stress. 2022, 2022, 1-12	1
9	The salivary exosomal microRNA as a potential biomarker in patients with periodontitis and oral cancers.	O
8	The Mechanistic Roles of Sirtuins in Breast and Prostate Cancer. 2022 , 14, 5118	1
7	Cell cycle associated miRNAs as target and therapeutics in lung cancer treatment. 2022, 8, e11081	1
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5	miR-21, miR-93, miR-191, miR-let-7b, and miR-499 Expression Level in Plasma and Cerebrospinal Fluid in Patients with Prolonged Disorders of Consciousness. 2023 , 15, 40-54	O
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3	The importance of hsa-miR-28 in human malignancies. 2023 , 161, 114453	1
2	Targeting miRNAs and Other Non-Coding RNAs as a Therapeutic Approach: An Update. 2023, 9, 27	O
1	MicroRNAs reshape the immunity of insects in response to bacterial infection. 14,	O