

Shziuka Uchida

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

4,341
citations

218592

26
h-index

110317

64
g-index

104
all docs

104
docs citations

104
times ranked

6796
citing authors

#	ARTICLE	IF	CITATIONS
1	Long Noncoding RNA MALAT1 Regulates Endothelial Cell Function and Vessel Growth. <i>Circulation Research</i> , 2014, 114, 1389-1397.	2.0	815
2	Long Noncoding RNAs in Cardiovascular Diseases. <i>Circulation Research</i> , 2015, 116, 737-750.	2.0	641
3	Identification and Characterization of Hypoxia-Regulated Endothelial Circular RNA. <i>Circulation Research</i> , 2015, 117, 884-890.	2.0	310
4	Screening and validation of lncRNAs and circRNAs as miRNA sponges. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw053.	3.2	251
5	Efficient Homing of Multipotent Adult Mesenchymal Stem Cells Depends on FROUNT-Mediated Clustering of CCR2. <i>Cell Stem Cell</i> , 2008, 2, 566-575.	5.2	249
6	Adenosine-to-inosine RNA editing controls cathepsin S expression in atherosclerosis by enabling HuR-mediated post-transcriptional regulation. <i>Nature Medicine</i> , 2016, 22, 1140-1150.	15.2	222
7	Long Noncoding RNA MANTIS Facilitates Endothelial Angiogenic Function. <i>Circulation</i> , 2017, 136, 65-79.	1.6	196
8	Hematopoietic Deficiency of the Long Noncoding RNA MALAT1 Promotes Atherosclerosis and Plaque Inflammation. <i>Circulation</i> , 2019, 139, 1320-1334.	1.6	165
9	Sca1-Derived Cells Are a Source of Myocardial Renewal in the Murine Adult Heart. <i>Stem Cell Reports</i> , 2013, 1, 397-410.	2.3	140
10	Exercise-Induced Changes in Glucose Metabolism Promote Physiological Cardiac Growth. <i>Circulation</i> , 2017, 136, 2144-2157.	1.6	103
11	RNAEditor: easy detection of RNA editing events and the introduction of editing islands. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw087.	3.2	61
12	Identification and Functional Characterization of Hypoxia-Induced Endoplasmic Reticulum Stress Regulating lncRNA (HypERlnc) in Pericytes. <i>Circulation Research</i> , 2017, 121, 368-375.	2.0	61
13	Identification of right heart-enriched genes in a murine model of chronic outflow tract obstruction. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 598-605.	0.9	56
14	A novel long non-coding RNA Myolinc regulates myogenesis through TDP-43 and Filip1. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 102-117.	1.5	56
15	Noncoder: a web interface for exon array-based detection of long non-coding RNAs. <i>Nucleic Acids Research</i> , 2013, 41, e20-e20.	6.5	54
16	Long Noncoding RNA TYKRIL Plays a Role in Pulmonary Hypertension via the p53-mediated Regulation of PDGFR β . <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1445-1457.	2.5	45
17	Epigenetically modified cardiac mesenchymal stromal cells limit myocardial fibrosis and promote functional recovery in a model of chronic ischemic cardiomyopathy. <i>Basic Research in Cardiology</i> , 2019, 114, 3.	2.5	41
18	TAK1 regulates skeletal muscle mass and mitochondrial function. <i>JCI Insight</i> , 2018, 3, .	2.3	38

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19	Mesenchymal stem cells attenuate inflammatory processes in the heart and lung via inhibition of TNF signaling. <i>Basic Research in Cardiology</i> , 2016, 111, 54.	2.5	37
20	ANGIOGENES: knowledge database for protein-coding and noncoding RNA genes in endothelial cells. <i>Scientific Reports</i> , 2016, 6, 32475.	1.6	34
21	Epigenetic Regulation of Angiogenesis by JARID1B-Induced Repression of HOXA5. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1645-1652.	1.1	33
22	<i>Airn</i> Regulates Igf2bp2 Translation in Cardiomyocytes. <i>Circulation Research</i> , 2018, 122, 1347-1353.	2.0	33
23	The identification and characterization of novel transcripts from RNA-seq data. <i>Briefings in Bioinformatics</i> , 2016, 17, 678-685.	3.2	32
24	Gene Expression Profiling Reveals the Shared and Distinct Transcriptional Signatures in Human Lung Epithelial Cells Infected With SARS-CoV-2, MERS-CoV, or SARS-CoV: Potential Implications in Cardiovascular Complications of COVID-19. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 623012.	1.1	31
25	C-It-Loci: a knowledge database for tissue-enriched loci. <i>Bioinformatics</i> , 2015, 31, 3537-3543.	1.8	30
26	Functional characterization of long noncoding RNAs. <i>Current Opinion in Cardiology</i> , 2020, 35, 199-206.	0.8	30
27	Doublecortin marks a new population of transiently amplifying muscle progenitor cells and is required for myofiber maturation during skeletal muscle regeneration. <i>Development (Cambridge)</i> , 2015, 142, 51-61.	1.2	29
28	Clinical value of non-coding RNAs in cardiovascular, pulmonary, and muscle diseases. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1-C28.	2.1	26
29	RNA Editing. <i>Circulation Research</i> , 2018, 122, 399-401.	2.0	25
30	Physiological roles of non-coding RNAs. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1-C2.	2.1	25
31	Long Non-coding RNAs in Endothelial Biology. <i>Frontiers in Physiology</i> , 2018, 9, 522.	1.3	24
32	E2f1 deletion attenuates infarct-induced ventricular remodeling without affecting O-GlcNAcylation. <i>Basic Research in Cardiology</i> , 2019, 114, 28.	2.5	23
33	The A-to-I RNA Editing Enzyme <i>Adar1</i> Is Essential for Normal Embryonic Cardiac Growth and Development. <i>Circulation Research</i> , 2020, 127, 550-552.	2.0	22
34	CAD increases the long noncoding RNA PUNISHER in small extracellular vesicles and regulates endothelial cell function via vesicular shuttling. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 388-405.	2.3	21
35	Exon Array Analyzer: a web interface for Affymetrix exon array analysis. <i>Bioinformatics</i> , 2009, 25, 3323-3324.	1.8	20
36	Regulation of miRâ€17â€92a cluster processing by the microRNA binding protein SND1. <i>FEBS Letters</i> , 2013, 587, 2405-2411.	1.3	20

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37	Upregulations of Gata4 and oxytocin receptor are important in cardiomyocyte differentiation processes of P19CL6 cells. <i>Journal of Cellular Biochemistry</i> , 2007, 100, 629-641.	1.2	19
38	C-It: a knowledge database for tissue-enriched genes. <i>Bioinformatics</i> , 2010, 26, 2328-2333.	1.8	18
39	An integrated approach for the systematic identification and characterization of heart-enriched genes with unknown functions. <i>BMC Genomics</i> , 2009, 10, 100.	1.2	17
40	Deeply Dissecting Stemness: Making Sense to Non-Coding RNAs in Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 78-86.	5.6	17
41	Short and Long Noncoding RNAs Regulate the Epigenetic Status of Cells. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 832-845.	2.5	16
42	Gene Array Analyzer: alternative usage of gene arrays to study alternative splicing events. <i>Nucleic Acids Research</i> , 2012, 40, 2414-2425.	6.5	15
43	Exercise Controls Non-Coding RNAs. <i>Cell Metabolism</i> , 2015, 21, 511-512.	7.2	11
44	Computational Detection of Stage-Specific Transcription Factor Clusters during Heart Development. <i>Frontiers in Genetics</i> , 2016, 7, 33.	1.1	11
45	Logic programming to infer complex RNA expression patterns from RNA-seq data. <i>Briefings in Bioinformatics</i> , 2018, 19, bbw117.	3.2	11
46	Long Non-Coding RNAs in Liver Cancer and Nonalcoholic Steatohepatitis. <i>Non-coding RNA</i> , 2020, 6, 34.	1.3	11
47	Detection and Normalization of Biases Present in Spotted cDNA Microarray Data: A Composite Method Addressing Dye, Intensity-Dependent, Spatially-Dependent, and Print-Order Biases. <i>DNA Research</i> , 2005, 12, 1-7.	1.5	10
48	Besides Imprinting. <i>Circulation Research</i> , 2017, 121, 486-487.	2.0	10
49	Administration of cardiac mesenchymal cells modulates innate immunity in the acute phase of myocardial infarction in mice. <i>Scientific Reports</i> , 2020, 10, 14754.	1.6	10
50	A systems immunology approach identifies the collective impact of 5 miRNAs in Th2 inflammation. <i>JCI Insight</i> , 2018, 3, .	2.3	10
51	Decoding the complexity of circular RNAs in cardiovascular disease. <i>Pharmacological Research</i> , 2021, 171, 105766.	3.1	9
52	Long Non-Coding RNAs in Diffuse Large B-Cell Lymphoma. <i>Non-coding RNA</i> , 2021, 7, 1.	1.3	9
53	Macrophage Long Non-Coding RNAs in Pathogenesis of Cardiovascular Disease. <i>Non-coding RNA</i> , 2020, 6, 28.	1.3	8
54	Elucidating the Functions of Non-Coding RNAs from the Perspective of RNA Modifications. <i>Non-coding RNA</i> , 2021, 7, 31.	1.3	8

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55	FibroDB: Expression Analysis of Protein-Coding and Long Non-Coding RNA Genes in Fibrosis. <i>Non-coding RNA</i> , 2022, 8, 13.	1.3	8
56	Epitranscriptomics in fibroblasts and fibrosis. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C1110-C1116.	2.1	8
57	Metabolic signatures of pregnancy-induced cardiac growth. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H146-H164.	1.5	8
58	The current status of gene expression profilings in COVID-19 patients. <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.2	7
59	Resolving the problem of multiple accessions of the same transcript deposited across various public databases. <i>Briefings in Bioinformatics</i> , 2016, 18, bbw017.	3.2	6
60	High-Throughput Methods to Detect Long Non-Coding RNAs. <i>High-Throughput</i> , 2017, 6, 12.	4.4	6
61	The Effect of Cardiogenic Factors on Cardiac Mesenchymal Cell Anti-Fibrogenic Paracrine Signaling and Therapeutic Performance. <i>Theranostics</i> , 2020, 10, 1514-1530.	4.6	6
62	Cardiac PANK1 deletion exacerbates ventricular dysfunction during pressure overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H784-H797.	1.5	6
63	Subclinical markers of cardiovascular toxicity of benzene inhalation in mice. <i>Toxicology and Applied Pharmacology</i> , 2021, 431, 115742.	1.3	6
64	Current Status of Epitranscriptomic Marks Affecting lncRNA Structures and Functions. <i>Non-coding RNA</i> , 2022, 8, 23.	1.3	6
65	Collagen type XIX regulates cardiac extracellular matrix structure and ventricular function. <i>Matrix Biology</i> , 2022, 109, 49-69.	1.5	6
66	High-Throughput Methods to Detect Long Non-Coding RNAs. <i>High-Throughput</i> , 2017, 6, 12.	4.4	5
67	Chronic Benzene Exposure Aggravates Pressure Overload-Induced Cardiac Dysfunction. <i>Toxicological Sciences</i> , 2021, 185, 64-76.	1.4	5
68	Cardiac mesenchymal cells from failing and nonfailing hearts limit ventricular dilation when administered late after infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H109-H122.	1.5	4
69	Long noncoding RNAs in induced pluripotent stem cells and their differentiation. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C769-C774.	2.1	4
70	RNA Modification in Inflammatory Bowel Diseases. <i>Biomedicines</i> , 2022, 10, 1695.	1.4	4
71	Specific phenotype and function of CD56-expressing innate immune cell subsets in human thymus. <i>Journal of Leukocyte Biology</i> , 2016, 100, 1297-1310.	1.5	3
72	A step closer to improving cardiac homing of adipose-derived mesenchymal stem cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H260-H261.	1.5	3

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73	Glucosamine regulates macrophage function in heart failure. <i>Clinical and Translational Medicine</i> , 2022, 12, e819.	1.7	3
74	Prediction of tertiary structure of NSSRs™ RNA recognition motif and the RNA binding activity. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 475-483.	2.8	2
75	Investigation of RNA Editing Sites within Bound Regions of RNA-Binding Proteins. <i>High-Throughput</i> , 2019, 8, 19.	4.4	2
76	A novel macrophage subtype directs hematopoietic stem cell homing and retention. <i>Annals of Translational Medicine</i> , 2019, 7, S79-S79.	0.7	2
77	Long Non-Coding RNAs in Cardiac and Pulmonary Fibroblasts and Fibrosis. <i>Non-coding RNA</i> , 2022, 8, 53.	1.3	2
78	Abstract 18414: Malat1 Regulates the Inflammatory Response of Endothelial Cells. <i>Circulation</i> , 2014, 130, .	1.6	1
79	DRETools: A tool-suite for differential RNA editing detection. <i>F1000Research</i> , 0, 7, 1366.	0.8	1
80	The Non-Coding RNA Journal Club: Highlights on Recent Papers™11. <i>Non-coding RNA</i> , 2022, 8, 31.	1.3	1
81	Identification Of Putative Regulators Of Alveolarization. , 2010, , .		0
82	Are We There Yet? A Story About Cardiac Stem Cells. , 0, , .		0
83	Databases and software to make your research life easier. , 2012, , 7-47.		0
84	How to program like a bioinformatician?. , 2012, , 49-74.		0
85	Circular RNAs as diagnostic tool for renal transplant patients with acute rejection. <i>Annals of Translational Medicine</i> , 2019, 7, S302-S302.	0.7	0
86	Further application: adult stem cells and tissue regenerations. , 2012, , 137-169.		0
87	Experimental validation: concepts and practice. , 2012, , 95-136.		0
88	Case study: C-It, knowledge database for screening evolutionarily conserved, tissue-enriched, uncharacterized genes. , 2012, , 75-94.		0
89	Abstract 18576: Hypoxia Induces Phenotypic Switching of Human Pericytes Into Smooth Muscle Cells That is Associated With Changes in Pericyte-specific Non-coding RNA Expression. <i>Circulation</i> , 2014, 130, .	1.6	0
90	Abstract 18412: Long Non-coding RNA Meg3 Regulates Senescence-associated Genes and Controls Endothelial Cell Function. <i>Circulation</i> , 2014, 130, .	1.6	0

#	ARTICLE	IF	CITATIONS
91	Abstract 19222: Hypoxia Regulated Circular RNAs Control Endothelial Cell Functions <i>(Best of Basic) Tj ETQq1 1 0.784314 ggBT /Over	1.6	0
92	Abstract 16761: Long Non-coding RNA Meg3 Controls Endothelial Cell Function: Implications for Endothelial Aging and Senescence <i>(Best of Basic Science Abstract)</i>. Circulation, 2015, 132, .	1.6	0
93	Abstract 16994: RNA Editing Controls Gene Expression in Atherosclerotic Heart Disease by Enabling HuR-mediated Posttranscriptional Regulation. Circulation, 2015, 132, .	1.6	0
94	Abstract 19: Role of Adenosine-to-Inosine RNA Editing of <i>Alu</i> Elements in Human Vascular Inflammatory Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	1.1	0
95	DRETools: A tool-suite for differential RNA editing detection. F1000Research, 0, 7, 1366.	0.8	0
96	Increasing workflow development speed and reproducibility with Vectools. F1000Research, 2018, 7, 1499.	0.8	0
97	Increasing workflow development speed and reproducibility with Vectools. F1000Research, 2018, 7, 1499.	0.8	0
98	Ectopic Cardiogenic Transcription Factor Expression Augments the Antiâ€fibrogenic Activity of Administered Cardiac Mesenchymal Stromal Cells in a Model of Chronic Ischemic Cardiomyopathy. FASEB Journal, 2019, 33, lb476.	0.2	0
99	Abstract 526: Unraveling the Molecular Signature of Pregnancy Induced Hypertrophy. Circulation Research, 2020, 127, .	2.0	0
100	Abstract 17867: The Pro-angiogenic Long Non-coding Rna Tykrl Controls Human Pericyte Function Through Regulation Of P53 Activity and PdgfrÃƒ Expression. Circulation, 2015, 132, .	1.6	0