

Yan Xu

List of Publications by Year in descending order

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77
papers

2,098
citations

331538

21
h-index

265120

42
g-index

109
all docs

109
docs citations

109
times ranked

2883
citing authors

#	ARTICLE	IF	CITATIONS
1	Influenza Virus Z-RNAs Induce ZBP1-Mediated Necroptosis. <i>Cell</i> , 2020, 180, 1115-1129.e13.	13.5	288
2	Chemistry in human telomere biology: structure, function and targeting of telomere DNA/RNA. <i>Chemical Society Reviews</i> , 2011, 40, 2719.	18.7	287
3	ADAR1 masks the cancer immunotherapeutic promise of ZBP1-driven necroptosis. <i>Nature</i> , 2022, 606, 594-602.	13.7	149
4	Characterization of human telomere RNA G-quadruplex structures in vitro and in living cells using 19F NMR spectroscopy. <i>Nucleic Acids Research</i> , 2017, 45, 5501-5511.	6.5	91
5	Hybrid-type and two-tetrad antiparallel telomere DNA G-quadruplex structures in living human cells. <i>Nucleic Acids Research</i> , 2019, 47, 4940-4947.	6.5	75
6	Haplotype-based approach for noninvasive prenatal tests of Duchenne muscular dystrophy using cell-free fetal DNA in maternal plasma. <i>Genetics in Medicine</i> , 2015, 17, 889-896.	1.1	70
7	Prescribing patterns of novel oral anticoagulants following regulatory approval for atrial fibrillation in Ontario, Canada: a population-based descriptive analysis. <i>CMAJ Open</i> , 2013, 1, E115-E119.	1.1	68
8	Direct Oral Anticoagulant- or Warfarin-Related Major Bleeding. <i>Chest</i> , 2017, 152, 81-91.	0.4	68
9	Novel test for microparticles in platelet-rich plasma and platelet concentrates using dynamic light scattering. <i>Transfusion</i> , 2011, 51, 363-370.	0.8	54
10	Oligonucleotide Models of Telomeric DNA and RNA Form a Hybrid G-quadruplex Structure as a Potential Component of Telomeres. <i>Journal of Biological Chemistry</i> , 2012, 287, 41787-41796.	1.6	52
11	Structure-Dependent Binding of hnRNPA1 to Telomere RNA. <i>Journal of the American Chemical Society</i> , 2017, 139, 7533-7539.	6.6	48
12	The Diagnostic Value of DNA Methylation in Leukemia: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e96822.	1.1	44
13	Investigation of higher-order RNA G-quadruplex structures in vitro and in living cells by 19F NMR spectroscopy. <i>Nature Protocols</i> , 2018, 13, 652-665.	5.5	43
14	Structure, function and targeting of human telomere RNA. <i>Methods</i> , 2012, 57, 100-105.	1.9	41
15	Unusual Topological RNA Architecture with an Eight-Stranded Helical Fragment Containing A-, G-, and U-Tetrads. <i>Journal of the American Chemical Society</i> , 2017, 139, 2565-2568.	6.6	31
16	Marked yield of re-evaluating phenotype and exome/target sequencing data in 33 individuals with intellectual disabilities. <i>American Journal of Medical Genetics, Part A</i> , 2018, 176, 107-115.	0.7	31
17	Targeting radioresistant breast cancer cells by single agent CHK1 inhibitor via enhancing replication stress. <i>Oncotarget</i> , 2016, 7, 34688-34702.	0.8	27
18	Formation and stabilization of the telomeric antiparallel G-quadruplex and inhibition of telomerase by novel benzothioxanthene derivatives with anti-tumor activity. <i>Scientific Reports</i> , 2015, 5, 13693.	1.6	26

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19	NDRG4 hypermethylation is a potential biomarker for diagnosis and prognosis of gastric cancer in Chinese population. <i>Oncotarget</i> , 2017, 8, 8105-8119.	0.8	25
20	Antiparallel RNA G-quadruplex Formed by Human Telomere RNA Containing 8-Bromoguanosine. <i>Scientific Reports</i> , 2017, 7, 6695.	1.6	23
21	Effect of oral anticoagulant use on surgical delay and mortality in hip fracture. <i>Bone and Joint Journal</i> , 2021, 103-B, 222-233.	1.9	23
22	Association of six CpG-SNPs in the inflammation-related genes with coronary heart disease. <i>Human Genomics</i> , 2016, 10, 21.	1.4	22
23	Sulforaphane ameliorates glucose intolerance in obese mice <i>via</i> the upregulation of the insulin signaling pathway. <i>Food and Function</i> , 2018, 9, 4695-4701.	2.1	22
24	Fluorescence imaging of chromosomal DNA using click chemistry. <i>Scientific Reports</i> , 2016, 6, 33217.	1.6	20
25	HnRNPA1 Specifically Recognizes the Base of Nucleotide at the Loop of RNA G-Quadruplex. <i>Molecules</i> , 2018, 23, 237.	1.7	20
26	Timing of vitamin K antagonist re-initiation following intracranial hemorrhage in mechanical heart valves: Systematic review and meta-analysis. <i>Thrombosis Research</i> , 2016, 144, 152-157.	0.8	19
27	Anticoagulant-associated gastrointestinal bleeding: Framework for decisions about whether, when and how to resume anticoagulants. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2383-2393.	1.9	19
28	Elevated methylation of CMTM3 promoter in the male laryngeal squamous cell carcinoma patients. <i>Clinical Biochemistry</i> , 2016, 49, 1278-1282.	0.8	18
29	A Nucleoside Derivative 5-Vinyluridine (VrU) for Imaging RNA in Cells and Animals. <i>Bioconjugate Chemistry</i> , 2019, 30, 2958-2966.	1.8	17
30	A Simple and Sensitive ¹⁹ F-NMR Approach for Studying the Interaction of RNA G-Quadruplex with Ligand Molecule and Protein. <i>ChemistrySelect</i> , 2017, 2, 4170-4175.	0.7	16
31	Improving Thermodynamic Stability and Anticoagulant Activity of a Thrombin Binding Aptamer by Incorporation of 8-trifluoromethyl-2-deoxyguanosine. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 711-718.	2.9	16
32	Oral anticoagulant re-initiation following intracerebral hemorrhage in non-valvular atrial fibrillation: Global survey of the practices of neurologists, neurosurgeons and thrombosis experts. <i>PLoS ONE</i> , 2018, 13, e0191137.	1.1	16
33	Evidence for G-Quadruplex DNA in Human Cells. <i>ChemBioChem</i> , 2013, 14, 927-928.	1.3	15
34	Finding a human telomere DNA-RNA hybrid G-quadruplex formed by human telomeric 6-mer RNA and 16-mer DNA using click chemistry: A protective structure for telomere end. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4419-4421.	1.4	15
35	Prenatal diagnosis of methylmalonic aciduria from amniotic fluid using genetic and biochemical approaches. <i>Prenatal Diagnosis</i> , 2019, 39, 993-997.	1.1	14
36	Oligonucleotides DNA containing 8-trifluoromethyl-2-deoxyguanosine for observing Z-DNA structure. <i>Nucleic Acids Research</i> , 2020, 48, 7041-7051.	6.5	14

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37	Prognostic value of MLH1 promoter methylation in male patients with esophageal squamous cell carcinoma. <i>Oncology Letters</i> , 2017, 13, 2745-2750.	0.8	13
38	Unique clinical features of cryptococcal meningitis among Chinese patients without predisposing diseases against patients with predisposing diseases. <i>Medical Mycology</i> , 2019, 57, 944-953.	0.3	13
39	Regulation and drug modulation of a voltage-gated sodium channel: Pivotal role of the S4-S5 linker in activation and slow inactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
40	Getting (Along) With the Guidelines: Reconciling Patient Autonomy and Quality Improvement Through Shared Decision Making. <i>Academic Medicine</i> , 2016, 91, 925-929.	0.8	11
41	Recent progress in human telomere RNA structure and function. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2577-2584.	1.0	11
42	Characterization of Structure and Catalytic Activity of a Complex between Heme and an All Parallel-Stranded Tetrameric G-Quadruplex Formed from DNA/RNA Chimera Sequence d(TTA)r(GGG)dT. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 621-629.	2.0	11
43	Moderate/Severe Hyponatremia Increases the Risk of Death among Hospitalized Chinese Human Immunodeficiency Virus/Acquired Immunodeficiency Syndrome Patients. <i>PLoS ONE</i> , 2014, 9, e111077.	1.1	11
44	Hyperactivity and disruption of prepulse inhibition induced by NMDA infusion of the rat ventral hippocampus: Comparison of uni- and bilateral stimulation. <i>Neuroscience Letters</i> , 2015, 594, 150-154.	1.0	10
45	Healthcare resource utilization and costs among patients with direct oral anticoagulant or warfarin-related major bleeding. <i>Thrombosis Research</i> , 2019, 182, 12-19.	0.8	10
46	¹⁹ F NMR Spectroscopy for the Analysis of DNA G-Quadruplex Structures Using ¹⁹ F-Labeled Nucleobase. <i>Methods in Molecular Biology</i> , 2019, 2035, 407-433.	0.4	10
47	Age-Related Immune Profile of the T Cell Receptor Repertoire, Thymic Recent Output Function, and miRNAs. <i>BioMed Research International</i> , 2020, 2020, 1-13.	0.9	10
48	Effect of oral anticoagulants on hemostatic and thromboembolic complications in hip fracture: A systematic review and meta-analysis. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 2566-2581.	1.9	10
49	Use of instrumented lumbar spinal surgery for degenerative conditions: trends and costs over time in Ontario, Canada. <i>Canadian Journal of Surgery</i> , 2019, 62, 393-401.	0.5	9
50	Prenatal Diagnosis of Glutaric Acidemia I Based on Amniotic Fluid Samples in 42 Families Using Genetic and Biochemical Approaches. <i>Frontiers in Genetics</i> , 2020, 11, 496.	1.1	9
51	A Small Ligand That Selectively Binds to the G-quadruplex at the Human Vascular Endothelial Growth Factor Internal Ribosomal Entry Site and Represses the Translation. <i>Frontiers in Chemistry</i> , 2021, 9, 781198.	1.8	9
52	Opioid Therapy Pharmacogenomics for Noncancer Pain: Efficacy, Adverse Events, and Costs. <i>Pain Research and Treatment</i> , 2013, 2013, 1-8.	1.7	8
53	Timing of anticoagulant re-initiation following intracerebral hemorrhage in mechanical heart valves: Survey of neurosurgeons and thrombosis experts. <i>Clinical Neurology and Neurosurgery</i> , 2017, 154, 23-27.	0.6	8
54	Novel noncontiguous duplications identified with a comprehensive mutation analysis in the DMD gene by DMD gene-targeted sequencing. <i>Gene</i> , 2018, 645, 113-118.	1.0	8

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55	Ethnoracial variations in venous thrombosis: Implications for management, and a call to action. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 30-40.	1.9	8
56	Mapping of cytotoxic T lymphocytes epitopes in E7 antigen of human papillomavirus type 11. <i>Archives of Dermatological Research</i> , 2008, 300, 235-242.	1.1	7
57	Linear consecutive hexaoxazoles as G4 ligands inducing chair-type anti-parallel topology of a telomeric G-quadruplex. <i>RSC Advances</i> , 2020, 10, 43319-43323.	1.7	7
58	Importance of fibrosis 4 index score and mode of anti-fungal treatment to the outcome of Cryptococcal meningitis in hepatitis B virus-infected patients. <i>Infectious Diseases</i> , 2019, 51, 113-121.	1.4	6
59	Systematic Approach to DNA Aptamer Design Using Amino Acid–Nucleic Acid Hybrids (ANHs) Targeting Thrombin. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1338-1343.	2.6	6
60	Enumerating pelvic recurrence following radical cystectomy for bladder cancer: A Canadian multi-institutional study. <i>Canadian Urological Association Journal</i> , 2016, 10, 90.	0.3	6
61	Coagulation Test Interpretation in a Patient Taking Direct Oral Anticoagulant Therapy. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1485.	3.8	5
62	Elevated methylation of cyclin dependent kinase inhibitor 2B contributes to the risk of coronary heart disease in women. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 205-213.	0.8	4
63	Butyrylcholinesterase Levels on Admission Predict Severity and 12-Month Mortality in Hospitalized AIDS Patients. <i>Mediators of Inflammation</i> , 2018, 2018, 1-10.	1.4	4
64	Different Pathways Mediate Cytochrome c Release After Photodynamic Therapy with Hypericin. <i>Photochemistry and Photobiology</i> , 2007, 74, 133-142.	1.3	3
65	Stability and properties of Z-DNA containing artificial nucleobase 2-O-methyl-8-methyl guanosine. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 364-369.	1.4	3
66	Evaluation of Definitions for Oral Anticoagulant–Associated Major Bleeding: A Population-Based Cohort Study. <i>Blood</i> , 2018, 132, 426-426.	0.6	3
67	Health Information Preference among Youth and Caregivers related to Second-Generation Antipsychotic Treatment. <i>Journal of the Canadian Academy of Child and Adolescent Psychiatry</i> , 2012, 21, 302-9.	0.7	3
68	Revealing diverse alternative splicing variants of the highly homologous SMN1 and SMN2 genes by targeted long-read sequencing. <i>Molecular Genetics and Genomics</i> , 2022, 297, 1039-1048.	1.0	3
69	Observation of Z-DNA Structure via the Synthesis of Oligonucleotide DNA Containing 8-Trifluoromethyl-2-Deoxyguanosine. <i>Current Protocols</i> , 2021, 1, e28.	1.3	2
70	A β -glutamyl hydrolase lacking the signal peptide confers susceptibility to folates/antifolates in acute lymphoblastic leukemia cells. <i>FEBS Letters</i> , 2022, 596, 437-448.	1.3	2
71	The KRAS-G12D mutation induces Metabolic Vulnerability in B-cell Acute Lymphoblastic Leukemia. <i>IScience</i> , 2022, 25, 103881.	1.9	2
72	Evaluation of definitions for oral anticoagulant-associated major bleeding: A population-based cohort study. <i>Thrombosis Research</i> , 2022, 213, 57-64.	0.8	2

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73	DNA methylation and leukemia susceptibility in China: Evidence from an updated meta-analysis. <i>Molecular and Clinical Oncology</i> , 2016, 5, 193-207.	0.4	1
74	Preparation of ICA-loaded mPEG-ICA nanoparticles and their application in the treatment of LPS-induced H9c2 cell damage. <i>Nanoscale Research Letters</i> , 2021, 16, 155.	3.1	1
75	Conformation of G-quadruplex Controlled by Click Reaction. <i>Molecules</i> , 2020, 25, 4339.	1.7	1
76	Oral Anticoagulants, Health Technology Assessment, and Health Policy. <i>Canadian Journal of Cardiology</i> , 2015, 31, 1074.e11.	0.8	0
77	Management Strategies in Persons with Inherited Hemophilia Requiring Antithrombotic Therapy: A Scoping Review. <i>Blood</i> , 2021, 138, 3191-3191.	0.6	0