

Glen M Borchert

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

1,962

citations

16

h-index

44

g-index

50

ext. papers

2,240

ext. citations

5.1

avg, IF

4.67

L-index

#	Paper	IF	Citations
38	RNA polymerase III transcribes human microRNAs. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 1097-101	17.6	1056
37	The western painted turtle genome, a model for the evolution of extreme physiological adaptations in a slowly evolving lineage. <i>Genome Biology</i> , 2013 , 14, R28	18.3	227
36	Adenosine deamination in human transcripts generates novel microRNA binding sites. <i>Human Molecular Genetics</i> , 2009 , 18, 4801-7	5.6	111
35	An oxidative DNA "damage" and repair mechanism localized in the VEGF promoter is important for hypoxia-induced VEGF mRNA expression. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 309, L1367-75	5.8	94
34	Burgeoning evidence indicates that microRNAs were initially formed from transposable element sequences. <i>Mobile Genetic Elements</i> , 2014 , 4, e29255		62
33	Comprehensive analysis of microRNA genomic loci identifies pervasive repetitive-element origins. <i>Mobile Genetic Elements</i> , 2011 , 1, 8-17		60
32	Repression of human activation induced cytidine deaminase by miR-93 and miR-155. <i>BMC Cancer</i> , 2011 , 11, 347	4.8	38
31	Human snoRNA-93 is processed into a microRNA-like RNA that promotes breast cancer cell invasion. <i>Npj Breast Cancer</i> , 2017 , 3, 25	7.8	31
30	Continuing analysis of microRNA origins: Formation from transposable element insertions and noncoding RNA mutations. <i>Mobile Genetic Elements</i> , 2013 , 3, e27755		31
29	Computational Prediction of MicroRNA Target Genes, Target Prediction Databases, and Web Resources. <i>Methods in Molecular Biology</i> , 2017 , 1617, 109-122	1.4	23
28	MicroRNA Expression: Protein Participants in MicroRNA Regulation. <i>Methods in Molecular Biology</i> , 2017 , 1617, 27-37	1.4	19
27	OrbId: Origin-based identification of microRNA targets. <i>Mobile Genetic Elements</i> , 2012 , 2, 184-192		19
26	G-quadruplex recognition activities of E. Coli MutS. <i>BMC Molecular Biology</i> , 2012 , 13, 23	4.5	18
25	Long Noncoding Transcriptome in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019 , 61, 678-688	5.7	17
24	Viral MicroRNAs, Host MicroRNAs Regulating Viruses, and Bacterial MicroRNA-Like RNAs. <i>Methods in Molecular Biology</i> , 2017 , 1617, 39-56	1.4	16
23	OmniSearch: a semantic search system based on the Ontology for MicroRNA Target (OMIT) for microRNA-target gene interaction data. <i>Journal of Biomedical Semantics</i> , 2016 , 7, 25	2.2	16
22	Novel small RNA (sRNA) landscape of the starvation-stress response transcriptome of Salmonella enterica serovar typhimurium. <i>RNA Biology</i> , 2016 , 13, 331-42	4.8	14

21	OMIT: dynamic, semi-automated ontology development for the microRNA domain. <i>PLoS ONE</i> , 2014 , 9, e100855	3.7	14
20	Histone H2A and H2B are monoubiquitinated at AID-targeted loci. <i>PLoS ONE</i> , 2010 , 5, e11641	3.7	11
19	Characterization of long G4-rich enhancer-associated genomic regions engaging in a novel loop:loop G4 kissing interaction. <i>Nucleic Acids Research</i> , 2020 , 48, 5907-5925	20.1	10
18	Bone-remodeling transcript levels are independent of perching in end-of-lay white leghorn chickens. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 2663-77	6.3	8
17	ADAR Mediated RNA Editing Modulates MicroRNA Targeting in Human Breast Cancer. <i>Processes</i> , 2018 , 6,	2.9	8
16	"On the job" learning: A bioinformatics course incorporating undergraduates in actual research projects and manuscript submissions. <i>Biochemistry and Molecular Biology Education</i> , 2015 , 43, 154-61	1.3	8
15	The development of non-coding RNA ontology. <i>International Journal of Data Mining and Bioinformatics</i> , 2016 , 15, 214-232	0.5	7
14	A partial encryption algorithm for medical images based on quick response code and reversible data hiding technology. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 297	3.6	7
13	A semantics-oriented computational approach to investigate microRNA regulation on glucocorticoid resistance in pediatric acute lymphoblastic leukemia. <i>BMC Medical Informatics and Decision Making</i> , 2018 , 18, 57	3.6	5
12	Development of a support vector machine learning and smart phone Internet of Things-based architecture for real-time sleep apnea diagnosis. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 298	3.6	5
11	The Non-Coding RNA Ontology (NCRO): a comprehensive resource for the unification of non-coding RNA biology. <i>Journal of Biomedical Semantics</i> , 2016 , 7, 24	2.2	5
10	A PWM-Based Muscle Fatigue Detection and Recovery System 2018 ,		5
9	Characterization of novel small RNAs (sRNAs) contributing to the desiccation response of serovar Typhimurium. <i>RNA Biology</i> , 2019 , 16, 1643-1657	4.8	4
8	A long noncoding RNA antisense to ICAM-1 is involved in allergic asthma associated hyperreactive response of airway epithelial cells. <i>Mucosal Immunology</i> , 2021 , 14, 630-639	9.2	4
7	Muscle fatigue detection and treatment system driven by internet of things. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 275	3.6	3
6	Genome-Wide Analysis of MicroRNA-Regulated Transcripts. <i>Methods in Molecular Biology</i> , 2017 , 1617, 93-107	1.4	2
5	Exploring Observability of Attractor Cycles in Boolean Networks for Biomarker Detection. <i>IEEE Access</i> , 2019 , 7, 127745-127753	3.5	1
4	MeSH term-based semantic analysis of microRNA regulation on glucocorticoid resistance in pediatric acute lymphoblastic leukemia 2017 ,		1

- 3 Using an artificial neural network to map cancer common data elements to the biomedical research integrated domain group model in a semi-automated manner. *BMC Medical Informatics and Decision Making*, **2019**, 19, 276 3.6 1
- 2 Evolutionary Origin of MicroRNAs1-8
- 1 Utilizing Machine Learning Techniques to Predict the Efficacy of Aerobic Exercise Intervention on Young Hypertensive Patients Based on Cardiopulmonary Exercise Testing. *Journal of Healthcare Engineering*, **2021**, 2021, 6633832 3.7