Imran S Haque

List of Publications by Year
in descending order

26 papers	1,980 citations	567281 15 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	3420 citing authors

#	Article	IF	Citations
1	Current and future perspectives ofÂliquid biopsies in genomics-driven oncology. Nature Reviews Genetics, 2019, 20, 71-88.	16.3	912
2	An empirical estimate of carrier frequencies for 400+ causal Mendelian variants: results from an ethnically diverse clinical sample of 23,453 individuals. Genetics in Medicine, 2013, 15, 178-186.	2.4	220
3	Modeled Fetal Risk of Genetic Diseases Identified by Expanded Carrier Screening. JAMA - Journal of the American Medical Association, 2016, 316, 734.	7.4	160
4	Machine learning enables detection of early-stage colorectal cancer by whole-genome sequencing of plasma cell-free DNA. BMC Cancer, 2019, 19, 832.	2.6	110
5	Expanded carrier screening: A review of early implementation and literature. Seminars in Perinatology, 2016, 40, 29-34.	2.5	68
6	Validation of an Expanded Carrier Screen that Optimizes Sensitivity via Full-Exon Sequencing and Panel-wide Copy Number Variant Identification. Clinical Chemistry, 2018, 64, 1063-1073.	3.2	56
7	Clinical Utility of Expanded Carrier Screening: Reproductive Behaviors of Atâ€Risk Couples. Journal of Genetic Counseling, 2018, 27, 616-625.	1.6	54
8	Systematic design and comparison of expanded carrier screening panels. Genetics in Medicine, 2018, 20, 55-63.	2.4	53
9	The population genetics of human disease: The case of recessive, lethal mutations. PLoS Genetics, 2017, 13, e1006915.	3.5	42
10	Genetic ancestry analysis on >93,000 individuals undergoing expanded carrier screening reveals limitations of ethnicity-based medical guidelines. Genetics in Medicine, 2020, 22, 1694-1702.	2.4	41
11	Noninvasive prenatal screening at low fetal fraction: comparing whole-genome sequencing and single-nucleotide polymorphism methods. Prenatal Diagnosis, 2017, 37, 482-490.	2.3	35
12	Anatomy of High-Performance 2D Similarity Calculations. Journal of Chemical Information and Modeling, 2011, 51, 2345-2351.	5.4	31
13	PAPERâ€”Accelerating parallel evaluations of ROCS. Journal of Computational Chemistry, 2010, 31, 117-132.	3.3	30
14	Smithâ€“Lemliâ€“Opitz syndrome carrier frequency and estimates of in utero mortality rates. Prenatal Diagnosis, 2017, 37, 350-355.	2.3	30
15	SIML: A Fast SIMD Algorithm for Calculating LINGO Chemical Similarities on GPUs and CPUs. Journal of Chemical Information and Modeling, 2010, 50, 560-564.	5.4	25
16	Development and validation of a 36-gene sequencing assay for hereditary cancer risk assessment. PeerJ, 2017, 5, e3046.	2.0	18
17	Design and validation of a next generation sequencing assay for hereditaryBRCA1andBRCA2mutation testing. PeerJ, 2016, 4, e2162.	2.0	17
18	Screening for Tayâ€Sachs disease carriers by fullâ€exon sequencing with novel variant interpretation outperforms enzyme testing in a panâ€ethnic cohort. Molecular Genetics & Genomic Medicine, 2019, 7, e836.	1.2	13

#	Article	IF	Citations
19	SCISSORS: A Linear-Algebraical Technique to Rapidly Approximate Chemical Similarities. Journal of Chemical Information and Modeling, 2010, 50, 1075-1088.	5.4	11
20	Prenatal Carrier Screening. JAMA - Journal of the American Medical Association, 2016, 316, 2675.	7.4	5
21	Group Testing Approach for Trinucleotide Repeat Expansion Disorder Screening. Clinical Chemistry, 2016, 62, 1401-1408.	3.2	4
22	Error Bounds on the SCISSORS Approximation Method. Journal of Chemical Information and Modeling, 2011, 51, 2248-2253.	5.4	3
23	SCISSORS: Practical Considerations. Journal of Chemical Information and Modeling, 2014, 54, 5-15.	5.4	2
24	Response to Stoll and Resta. Genetics in Medicine, 2013, 15, 319-320.	2.4	1
25	Enhanced DNA libraries for methylation analysis. Nature Biomedical Engineering, 2021, 5, 490-492.	22.5	1
26	Modeled Fetal Risk of Genetic Diseases Identified by Expanded Carrier Screening. Obstetrical and Gynecological Survey, 2016, 71, 703-705.	0.4	0