Ahmad N Abou Tayoun

List of Publications by Year
in descending order

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67 papers	2,764 citations	279798 23 h-index	214800 47 g-index
86 all docs	86 docs citations	86 times ranked	5252 citing authors

#	Article	IF	Citations
1	MERSâ€CoV in sheep, goats, and cattle, United Arab Emirates, 2019: Virological and serological investigations reveal an accidental spillover from dromedaries. Transboundary and Emerging Diseases, 2022, 69, 3066-3072.	3.0	7
2	Detection of copy number variants and genes by chromosomal microarray in an Emirati neurodevelopmental disorders cohort. Neurogenetics, 2022, 23, 137-149.	1.4	0
3	Middle Eastern Genetic Variation Improves Clinical Annotation of the Human Genome. Journal of Personalized Medicine, 2022, 12, 423.	2.5	7
4	Evaluating the impact of in silico predictors on clinical variant classification. Genetics in Medicine, 2022, 24, 924-930.	2.4	20
5	Clinical evaluation and etiologic diagnosis of hearing loss: A clinical practice resource of the American College of Medical Genetics and Genomics (ACMG). Genetics in Medicine, 2022, 24, 1392-1406.	2.4	18
6	Rapid whole genome sequencing of critically ill pediatric patients from genetically underrepresented populations. Genome Medicine, 2022, 14, .	8.2	7
7	Genetic and Clinical Characteristics of Patients in the Middle East With Multisystem Inflammatory Syndrome in Children. JAMA Network Open, 2022, 5, e2214985.	5.9	13
8	Comprehensive Genomic Sequencingâ€“Based Screening for Hearing Loss in the Neonatal Intensive Care Settingâ€”Is It Time?. JAMA Network Open, 2022, 5, e2220992.	5.9	0
9	Host transcriptomic profiling of COVID-19 patients with mild, moderate, and severe clinical outcomes. Computational and Structural Biotechnology Journal, 2021, 19, 153-160.	4.1	69
10	A Rare Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Mutation Associated With Typical Cystic Fibrosis in an Arab Child. Cureus, 2021, 13, e13526.	0.5	2
11	The genomic landscape of pediatric rheumatology disorders in the Middle East. Human Mutation, 2021, 42, e1-e14.	2.5	12
12	Utility of droplet digital PCR and NGS-based CNV clinical assays in hearing loss diagnostics: current status and future prospects. Expert Review of Molecular Diagnostics, 2021, 21, 213-221.	3.1	8
13	Genotypeâ€phenotype correlation identified a novel SARSâ€CoVâ€2 variant possibly linked to severe disease. Transboundary and Emerging Diseases, 2021, , .	3.0	8
14	A Simple Practical Guide to Genomic Diagnostics in a Pediatric Setting. Genes, 2021, 12, 818.	2.4	2
15	Disease-specific ACMG/AMP guidelines improve sequence variant interpretation for hearing loss. Genetics in Medicine, 2021, 23, 2208-2212.	2.4	18
16	From Your Nose to Your Toes: A Review of Severe Acute Respiratory Syndrome Coronavirus 2 Pandemicâ€'Associated Pernio. Journal of Investigative Dermatology, 2021, 141, 2791-2796.	0.7	21
17	Single-cell transcriptome identifies FCGR3B upregulated subtype of alveolar macrophages in patients with critical COVID-19. IScience, 2021, 24, 103030.	4.1	13
18	Association of Dromedary Camels and Camel Ticks with Reassortant Crimean-Congo Hemorrhagic Fever Virus, United Arab Emirates. Emerging Infectious Diseases, 2021, 27, 2471-2474.	4.3	11

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19	VIPâ€HL: Semiâ€automated ACMG/AMP variant interpretation platform for genetic hearing loss. Human Mutation, 2021, 42, 1567-1575.	2.5	10
20	Genomic medicine in the Middle East. Genome Medicine, 2021, 13, 184.	8.2	12
21	Considerations for whole exome sequencing unique to prenatal care. Human Genetics, 2020, 139, 1149-1159.	3.8	18
22	Using Machine Learning to Identify True Somatic Variants from Next-Generation Sequencing. Clinical Chemistry, 2020, 66, 239-246.	3.2	7
23	Diagnosing Cornelia de Lange syndrome and related neurodevelopmental disorders using RNA sequencing. Genetics in Medicine, 2020, 22, 927-936.	2.4	34
24	Recommendations for application of the functional evidence PS3/BS3 criterion using the ACMG/AMP sequence variant interpretation framework. Genome Medicine, 2020, 12, 3.	8.2	312
25	Regulation of Angiotensin- Converting Enzyme 2 in Obesity: Implications for COVID-19. Frontiers in Physiology, 2020, 11, 555039.	2.8	86
26	Utility of clinical exome sequencing in a complex Emirati pediatric cohort. Computational and Structural Biotechnology Journal, 2020, 18, 1020-1027.	4.1	14
27	Case Report: CMV-Associated Congenital Nephrotic Syndrome. Frontiers in Pediatrics, 2020, 8, 580178.	1.9	5
28	SARS-CoV-2 Whole Genome Amplification and Sequencing for Effective Population-Based Surveillance and Control of Viral Transmission. Clinical Chemistry, 2020, 66, 1450-1458.	3.2	31
29	Multiple early introductions of SARS-CoV-2 into a global travel hub in the Middle East. Scientific Reports, 2020, 10, 17720.	3.3	28
30	Coexistence of a novel WISP3 pathogenic variant and an MEFV mutation in an Arabic family with progressive pseudorheumatoid dysplasia mimicking polyarticular juvenile idiopathic arthritis. Pediatric Rheumatology, 2020, 18, 69.	2.1	4
31	Genetic variation in the Middle Eastâ€”an opportunity to advance the human genetics field. Genome Medicine, 2020, 12, 116.	8.2	27
32	De Novo Variants Disturbing the Transactivation Capacity of POU3F3 Cause a Characteristic Neurodevelopmental Disorder. American Journal of Human Genetics, 2019, 105, 403-412.	6.2	35
33	A singleâ€center SCN8Aâ€related epilepsy cohort: clinical, genetic, and physiologic characterization. Annals of Clinical and Translational Neurology, 2019, 6, 1445-1455.	3.7	32
34	Genetic variant pathogenicity prediction trained using disease-specific clinical sequencing data sets. Genome Research, 2019, 29, 1144-1151.	5.5	19
35	Consensus interpretation of the p.Met34Thr and p.Val37Ile variants in GJB2 by the ClinGen Hearing Loss Expert Panel. Genetics in Medicine, 2019, 21, 2442-2452.	2.4	56
36	ClinGen expert clinical validity curation of 164 hearing loss geneâ€“disease pairs. Genetics in Medicine, 2019, 21, 2239-2247.	2.4	67

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37	Use of a Dynamic Genetic Testing Approach for Childhood-Onset Epilepsy. JAMA Network Open, 2019, 2, e192129.	5.9	45
38	Ca²⁺-Activated K⁺ Channels Reduce Network Excitability, Improving Adaptability and Energetics for Transmitting and Perceiving Sensory Information. Journal of Neuroscience, 2019, 39, 7132-7154.	3.6	7
39	A mutation update for the PCDH19 gene causing early-onset epilepsy in females with an unusual expression pattern. Human Mutation, 2019, 40, 243-257.	2.5	23
40	Automated Clinical Exome Reanalysis Reveals Novel Diagnoses. Journal of Molecular Diagnostics, 2019, 21, 38-48.	2.8	68
41	Rapid and accurate interpretation of clinical exomes using Phenoxome: a computational phenotype-driven approach. European Journal of Human Genetics, 2019, 27, 612-620.	2.8	17
42	Allele-Specific Droplet Digital PCR Combined with a Next-Generation Sequencing-Based Algorithm for Diagnostic Copy Number Analysis in Genes with High Homology: Proof of Concept Using Stereocilin. Clinical Chemistry, 2018, 64, 705-714.	3.2	24
43	AUDIOME: a tiered exome sequencingâ€“based comprehensive gene panel for the diagnosis of heterogeneous nonsyndromic sensorineural hearing loss. Genetics in Medicine, 2018, 20, 1600-1608.	2.4	27
44	Prenatal DNA Sequencing: Clinical, Counseling, and Diagnostic Laboratory Considerations. Prenatal Diagnosis, 2018, 38, 26-32.	2.3	47
45	Recurrent variants in OTOF are significant contributors to prelingual nonsydromic hearing loss in Saudi patients. Genetics in Medicine, 2018, 20, 536-544.	2.4	18
46	Need for Automated Interactive Genomic Interpretation and Ongoing Reanalysis. JAMA Pediatrics, 2018, 172, 1113.	6.2	12
47	Expert specification of the ACMG/AMP variant interpretation guidelines for genetic hearing loss. Human Mutation, 2018, 39, 1593-1613.	2.5	312
48	Recommendations for interpreting the loss of function PVS1 ACMG/AMP variant criterion. Human Mutation, 2018, 39, 1517-1524.	2.5	511
49	PCDH19 -related epilepsy in a male with Klinefelter syndrome: Additional evidence supporting PCDH19 cellular interference disease mechanism. Epilepsy Research, 2018, 145, 89-92.	1.6	20
50	The Development and Validation of Clinical Exome-Based Panels Using ExomeSlicer. Journal of Molecular Diagnostics, 2018, 20, 643-652.	2.8	16
51	Curating Clinically Relevant Transcripts for the Interpretation of Sequence Variants. Journal of Molecular Diagnostics, 2018, 20, 789-801.	2.8	25
52	Using large sequencing data sets to refine intragenic disease regions and prioritize clinical variant interpretation. Genetics in Medicine, 2017, 19, 496-504.	2.4	15
53	Sequencing-based diagnostics for pediatric genetic diseases: progress and potential. Expert Review of Molecular Diagnostics, 2016, 16, 987-999.	3.1	29
54	Targeted Droplet-Digital PCR as a Tool for Novel Deletion Discovery at the DFNB1 Locus. Human Mutation, 2016, 37, 119-126.	2.5	37

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55	Understanding Genotypes and Phenotypes in Epileptic Encephalopathies. Molecular Syndromology, 2016, 7, 172-181.	0.8	97
56	Improving hearing loss gene testing: a systematic review of gene evidence toward more efficient next-generation sequencingâ€“based diagnostic testing and interpretation. Genetics in Medicine, 2016, 18, 545-553.	2.4	63
57	A multiplex PCR assay for the simultaneous detection of Chlamydia trachomatis, Neisseria gonorrhoeae, and Trichomonas vaginalis. Experimental and Molecular Pathology, 2015, 98, 214-218.	2.1	22
58	Democratizing Molecular Diagnostics for the Developing World. American Journal of Clinical Pathology, 2014, 141, 17-24.	0.7	42
59	Development of a rapid clinical TPMT genotyping assay. Clinical Biochemistry, 2014, 47, 126-129.	1.9	15
60	A rapid RT-PCR assay for the detection of HIV-1 in human plasma specimens. Experimental and Molecular Pathology, 2014, 97, 111-115.	2.1	5
61	MicroRNAs as diagnostic markers for pancreatic ductal adenocarcinoma and its precursor, pancreatic intraepithelial neoplasm. Cancer Genetics, 2013, 206, 217-221.	0.4	69
62	A clinical PCR fragment analysis assay for TA repeat sizing in the UGT1A1 promoter region. Clinica Chimica Acta, 2013, 422, 1-4.	1.1	7
63	A Comprehensive Assay for CFTR Mutational Analysis Using Next-Generation Sequencing. Clinical Chemistry, 2013, 59, 1481-1488.	3.2	44
64	Evaluating the thermostability of commercial fast real-time PCR master mixes. Experimental and Molecular Pathology, 2012, 93, 261-263.	2.1	4
65	Roles of the Drosophila SK Channel (dSK) in Courtship Memory. PLoS ONE, 2012, 7, e34665.	2.5	12
66	The Drosophila SK Channel (dSK) Contributes to Photoreceptor Performance by Mediating Sensitivity Control at the First Visual Network. Journal of Neuroscience, 2011, 31, 13897-13910.	3.6	30
67	Ceramide kinase regulates phospholipase C and phosphatidylinositol 4, 5, bisphosphate in phototransduction. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20063-20068.	7.1	45