

Curt Scharfe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/632648/publications.pdf>

Version: 2024-02-01

32
papers

4,042
citations

361413

20
h-index

454955

30
g-index

35
all docs

35
docs citations

35
times ranked

5873
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary Rate in the Protein Interaction Network. <i>Science</i> , 2002, 296, 750-752.	12.6	798
2	Role of duplicate genes in genetic robustness against null mutations. <i>Nature</i> , 2003, 421, 63-66.	27.8	790
3	Systematic screen for human disease genes in yeast. <i>Nature Genetics</i> , 2002, 31, 400-404.	21.4	503
4	Diabetes insipidus, diabetes mellitus, optic atrophy and deafness (DIDMOAD) caused by mutations in a novel gene (wolframin) coding for a predicted transmembrane protein. <i>Human Molecular Genetics</i> , 1998, 7, 2021-2028.	2.9	403
5	The Role of Selection in the Evolution of Human Mitochondrial Genomes. <i>Genetics</i> , 2006, 172, 373-387.	2.9	395
6	The complete form of X-linked congenital stationary night blindness is caused by mutations in a gene encoding a leucine-rich repeat protein. <i>Nature Genetics</i> , 2000, 26, 324-327.	21.4	231
7	Integrative Analysis of the Mitochondrial Proteome in Yeast. <i>PLoS Biology</i> , 2004, 2, e160.	5.6	181
8	Mitochondrial Disease Sequence Data Resource (MSeqDR): A global grass-roots consortium to facilitate deposition, curation, annotation, and integrated analysis of genomic data for the mitochondrial disease clinical and research communities. <i>Molecular Genetics and Metabolism</i> , 2015, 114, 388-396.	1.1	76
9	Proteome analysis of mitochondrial outer membrane from <i>Neurospora crassa</i> . <i>Proteomics</i> , 2006, 6, 72-80.	2.2	74
10	Mapping Gene Associations in Human Mitochondria using Clinical Disease Phenotypes. <i>PLoS Computational Biology</i> , 2009, 5, e1000374.	3.2	74
11	Massively parallel discovery of human-specific substitutions that alter enhancer activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	67
12	Rare variant detection using family-based sequencing analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3985-3990.	7.1	54
13	High-quality DNA sequence capture of 524 disease candidate genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6549-6554.	7.1	52
14	Validation of novel forensic DNA markers using multiplex microhaplotype sequencing. <i>Forensic Science International: Genetics</i> , 2020, 47, 102275.	3.1	42
15	Identification of rare DNA variants in mitochondrial disorders with improved array-based sequencing. <i>Nucleic Acids Research</i> , 2011, 39, 44-58.	14.5	37
16	A Rapid, High-Quality, Cost-Effective, Comprehensive and Expandable Targeted Next-Generation Sequencing Assay for Inherited Heart Diseases. <i>Circulation Research</i> , 2015, 117, 603-611.	4.5	34
17	Reducing False-Positive Results in Newborn Screening Using Machine Learning. <i>International Journal of Neonatal Screening</i> , 2020, 6, 16.	3.2	33
18	Combining newborn metabolic and DNA analysis for second-tier testing of methylmalonic acidemia. <i>Genetics in Medicine</i> , 2019, 21, 896-903.	2.4	31

#	ARTICLE	IF	CITATIONS
19	Next-Generation Molecular Testing of Newborn Dried Blood Spots for Cystic Fibrosis. <i>Journal of Molecular Diagnostics</i> , 2016, 18, 267-282.	2.8	26
20	Ethnic variability in newborn metabolic screening markers associated with false-positive outcomes. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 934-943.	3.6	23
21	Multiplex target capture with double-stranded DNA probes. <i>Genome Medicine</i> , 2013, 5, 50.	8.2	18
22	Multi-frequency impedance sensing for detection and sizing of DNA fragments. <i>Scientific Reports</i> , 2021, 11, 6490.	3.3	17
23	Identifying new candidate genes for hereditary facial paresis on chromosome 3q21-q22 by RNA in situ hybridization in mouse. <i>Genomics</i> , 2005, 86, 55-67.	2.9	16
24	The population genetics characteristics of a 90 locus panel of microhaplotypes. <i>Human Genetics</i> , 2021, 140, 1753-1773.	3.8	15
25	Forward Chemical Genetics in Yeast for Discovery of Chemical Probes Targeting Metabolism. <i>Molecules</i> , 2012, 17, 13098-13115.	3.8	14
26	Timing of Newborn Blood Collection Alters Metabolic Disease Screening Performance. <i>Frontiers in Pediatrics</i> , 2020, 8, 623184.	1.9	14
27	Mitochondrial DNA analysis by multiplex denaturing high-performance liquid chromatography and selective sequencing in pediatric patients with cardiomyopathy. <i>Genetics in Medicine</i> , 2009, 11, 118-126.	2.4	6
28	Elevated methylmalonic acidemia (MMA) screening markers in Hispanic and preterm newborns. <i>Molecular Genetics and Metabolism</i> , 2019, 126, 39-42.	1.1	6
29	A multipurpose panel of microhaplotypes for use with STR markers in casework. <i>Forensic Science International: Genetics</i> , 2022, 60, 102729.	3.1	6
30	Transplant Virus Detection Using Multiplex Targeted Sequencing. <i>Journal of Applied Laboratory Medicine</i> , 2018, 2, 757-769.	1.3	4
31	The MITOP database—a one-stop shop for mitochondrial information. <i>Trends in Genetics</i> , 1998, 14, 519.	6.7	0
32	Correction: The MITOP database—a one-stop shop for mitochondrial information. <i>Trends in Genetics</i> , 1999, 15, 82.	6.7	0