Stefano Lise

List of Publications by Year
in descending order

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44 papers	2,674 citations	201658 27 h-index	265191 42 g-index
47 all docs	47 docs citations	47 times ranked	6127 citing authors

#	Article	IF	Citations
1	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. Nature Genetics, 2015, 47, 717-726.	21.4	310
2	The CATH Domain Structure Database and related resources Gene3D and DHS provide comprehensive domain family information for genome analysis. Nucleic Acids Research, 2004, 33, D247-D251.	14.5	226
3	Genomic and Transcriptomic Determinants of Therapy Resistance and Immune Landscape Evolution during Anti-EGFR Treatment in Colorectal Cancer. Cancer Cell, 2019, 36, 35-50.e9.	16.8	179
4	PepSite: prediction of peptide-binding sites from protein surfaces. Nucleic Acids Research, 2012, 40, W423-W427.	14.5	174
5	Next generation sequencing for molecular diagnosis of neurological disorders using ataxias as a model. Brain, 2013, 136, 3106-3118.	7.6	146
6	Mutations in REEP6 Cause Autosomal-Recessive Retinitis Pigmentosa. American Journal of Human Genetics, 2016, 99, 1305-1315.	6.2	121
7	Next-generation sequencing (NGS) as a diagnostic tool for retinal degeneration reveals a much higher detection rate in early-onset disease. European Journal of Human Genetics, 2013, 21, 274-280.	2.8	119
8	Clinical BRCA1/2 Reversion Analysis Identifies Hotspot Mutations and Predicted Neoantigens Associated with Therapy Resistance. Cancer Discovery, 2020, 10, 1475-1488.	9.4	109
9	Prediction of hot spot residues at protein-protein interfaces by combining machine learning and energy-based methods. BMC Bioinformatics, 2009, 10, 365.	2.6	100
10	Recessive Mutations in SPTBN2 Implicate Î²-III Spectrin in Both Cognitive and Motor Development. PLoS Genetics, 2012, 8, e1003074.	3.5	94
11	Periventricular heterotopia in 6q terminal deletion syndrome: role of the C6orf70 gene. Brain, 2013, 136, 3378-3394.	7.6	85
12	Predictions of Hot Spot Residues at Protein-Protein Interfaces Using Support Vector Machines. PLoS ONE, 2011, 6, e16774.	2.5	78
13	Sequence patterns associated with disordered regions in proteins. Proteins: Structure, Function and Bioinformatics, 2004, 58, 144-150.	2.6	72
14	Genome-wide plasma DNA methylation features of metastatic prostate cancer. Journal of Clinical Investigation, 2020, 130, 1991-2000.	8.2	68
15	Combination of Whole Genome Sequencing, Linkage, and Functional Studies Implicates a Missense Mutation in Titin as a Cause of Autosomal Dominant Cardiomyopathy With Features of Left Ventricular Noncompaction. Circulation: Cardiovascular Genetics, 2016, 9, 426-435.	5.1	67
16	Exome sequencing can detect pathogenic mosaic mutations present at low allele frequencies. Journal of Human Genetics, 2012, 57, 70-72.	2.3	58
17	Self-organized criticality and universality in a nonconservative earthquake model. Physical Review E, 2001, 63, 036111.	2.1	57
18	Ultra-Sensitive Mutation Detection and Genome-Wide DNA Copy Number Reconstruction by Error-Corrected Circulating Tumor DNA Sequencing. Clinical Chemistry, 2018, 64, 1626-1635.	3.2	46

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19	Transitions in Nonconserving Models of Self-Organized Criticality. Physical Review Letters, 1996, 76, 2326-2329.	7.8	45
20	Extreme intratumour heterogeneity and driver evolution in mismatch repair deficient gastro-oesophageal cancer. Nature Communications, 2020, 11, 139.	12.8	44
21	Nonconservative Earthquake Model of Self-Organized Criticality on a Random Graph. Physical Review Letters, 2002, 88, 228301.	7.8	42
22	Biallelic Mutations in the Autophagy Regulator DRAM2 Cause Retinal Dystrophy with Early Macular Involvement. American Journal of Human Genetics, 2015, 96, 948-954.	6.2	42
23	In Vivo Modeling of Chemoresistant Neuroblastoma Provides New Insights into Chemorefractory Disease and Metastasis. Cancer Research, 2019, 79, 5382-5393.	0.9	42
24	Making the most of RNA-seq: Pre-processing sequencing data with Opossum for reliable SNP variant detection. Wellcome Open Research, 2017, 2, 6.	1.8	36
25	Mutations in MAST1 Cause Mega-Corpus-Callosum Syndrome with Cerebellar Hypoplasia and Cortical Malformations. Neuron, 2018, 100, 1354-1368.e5.	8.1	35
26	Premalignant SOX2 overexpression in the fallopian tubes of ovarian cancer patients: Discovery and validation studies. EBioMedicine, 2016, 10, 137-149.	6.1	34
27	Bethe approximation for a semiflexible polymer chain. Physical Review E, 1998, 58, R5241-R5244.	2.1	28
28	Next-generation sequencing in health-care delivery: lessons from the functional analysis of rhodopsin. Genetics in Medicine, 2012, 14, 891-899.	2.4	28
29	Scaling in a nonconservative earthquake model of self-organized criticality. Physical Review E, 2001, 64, 046111.	2.1	27
30	Biallelic Mutation of ARHGEF18, Involved in the Determination of Epithelial Apicobasal Polarity, Causes Adult-Onset Retinal Degeneration. American Journal of Human Genetics, 2017, 100, 334-342.	6.2	26
31	Comment on â€œSelf-Organized Criticality in the Olami-Feder-Christensen Modelâ€• Physical Review Letters, 2001, 87, 039801.	7.8	25
32	Nonconservative sandpile models. Physical Review E, 1997, 56, 6702-6709.	2.1	23
33	Docking protein domains in contact space. BMC Bioinformatics, 2006, 7, 310.	2.6	14
34	Bethe approximation for self-interacting lattice trees. Europhysics Letters, 2001, 53, 176-182.	2.0	10
35	Autosomal dominant osteopetrosis associated with renal tubular acidosis is due to a CLCN7 mutation. American Journal of Medical Genetics, Part A, 2016, 170, 2988-2992.	1.2	10
36	Identification of single nucleotide variants using position-specific error estimation in deep sequencing data. BMC Medical Genomics, 2019, 12, 115.	1.5	10

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37	Self-organization to criticality in a system without conservation law. Journal of Physics A, 2002, 35, 4641-4649.	1.6	9
38	Interfacial Properties of Interacting Surfaces. Europhysics Letters, 1995, 32, 735-740.	2.0	7
39	The Immunogenic Potential of Recurrent Cancer Drug Resistance Mutations: An In Silico Study. Frontiers in Immunology, 2020, 11, 524968.	4.8	7
40	Langevin equations coupled through correlated noises. Journal of Physics A, 1999, 32, 5251-5260.	1.6	5
41	Boundary effects in a random neighbor model of earthquakes. Physical Review E, 1998, 57, 3633-3636.	2.1	4
42	A non-equilibrium percolation transition in random Ising ferromagnets. Journal of Physics A, 1998, 31, L713-L719.	1.6	0
43	Phase diagram and critical behaviour of homopolymers with steric frustration. Journal of Physics A, 1998, 31, 6183-6188.	1.6	0
44	A Novel Strategy Combining Array-CGH, Whole-exome Sequencing and In Utero Electroporation in Rodents to Identify Causative Genes for Brain Malformations. Journal of Visualized Experiments, 2017, , .	0.3	0