Marc Vidal

List of Publications by Year in descending order

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4658 5988 41,535 160 85 160 citations h-index g-index papers 175 175 175 39618 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	OpenPIP: An Open-source Platform for Hosting, Visualizing and Analyzing Protein Interaction Data. Journal of Molecular Biology, 2022, 434, 167603.	4.2	3
2	New Views of Old Proteins: Clarifying the Enigmatic Proteome. Molecular and Cellular Proteomics, 2022, 21, 100254.	3.8	16
3	A comprehensive library of human transcription factors for cell fate engineering. Nature Biotechnology, 2021, 39, 510-519.	17.5	110
4	Comprehensive characterization of protein–protein interactions perturbed by disease mutations. Nature Genetics, 2021, 53, 342-353.	21.4	109
5	Alternative glycosylation controls endoplasmic reticulum dynamics and tubular extension in mammalian cells. Science Advances, 2021, 7, .	10.3	8
6	The HTLV-1 viral oncoproteins Tax and HBZ reprogram the cellular mRNA splicing landscape. PLoS Pathogens, 2021, 17, e1009919.	4.7	19
7	Interrogation of kinase genetic interactions provides a global view of PAK1-mediated signal transduction pathways. Journal of Biological Chemistry, 2020, 295, 16906-16919.	3.4	4
8	A massively parallel barcoded sequencing pipeline enables generation of the first ORFeome and interactome map for rice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11836-11842.	7.1	16
9	Yeast-Based Genetic Interaction Analysis of Human Kinome. Cells, 2020, 9, 1156.	4.1	5
10	ORF Capture-Seq as a versatile method for targeted identification of full-length isoforms. Nature Communications, 2020, 11, 2326.	12.8	19
11	Precision medicine â€" networks to the rescue. Current Opinion in Biotechnology, 2020, 63, 177-189.	6.6	30
12	A proactive genotype-to-patient-phenotype map for cystathionine beta-synthase. Genome Medicine, 2020, 12, 13.	8.2	45
13	A reference map of the human binary protein interactome. Nature, 2020, 580, 402-408.	27.8	724
14	A genome-wide positioning systems network algorithm for in silico drug repurposing. Nature Communications, 2019, 10, 3476.	12.8	134
15	Global Analysis of Intercellular Homeodomain Protein Transfer. Cell Reports, 2019, 28, 712-722.e3.	6.4	28
16	Maximizing binary interactome mapping with a minimal number of assays. Nature Communications, 2019, 10, 3907.	12.8	57
17	Network-based prediction of protein interactions. Nature Communications, 2019, 10, 1240.	12.8	293
18	APID database: redefining protein–protein interaction experimental evidences and binary interactomes. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	113

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19	Network Analysis of UBE3A/E6AP-Associated Proteins Provides Connections to Several Distinct Cellular Processes. Journal of Molecular Biology, 2018, 430, 1024-1050.	4.2	32
20	How many human proteoforms are there?. Nature Chemical Biology, 2018, 14, 206-214.	8.0	580
21	Protein Interactomics by Two-Hybrid Methods. Methods in Molecular Biology, 2018, 1794, 1-14.	0.9	6
22	Controllability in an islet specific regulatory network identifies the transcriptional factor NFATC4, which regulates Type 2 Diabetes associated genes. Npj Systems Biology and Applications, 2018, 4, 25.	3.0	25
23	Genome-Scale Networks Link Neurodegenerative Disease Genes to α-Synuclein through Specific Molecular Pathways. Cell Systems, 2017, 4, 157-170.e14.	6.2	102
24	In Situ Peroxidase Labeling and Mass-Spectrometry Connects Alpha-Synuclein Directly to Endocytic Trafficking and mRNA Metabolism in Neurons. Cell Systems, 2017, 4, 242-250.e4.	6.2	91
25	HSP90 Shapes the Consequences of Human Genetic Variation. Cell, 2017, 168, 856-866.e12.	28.9	117
26	Dynamic Role of trans Regulation of Gene Expression in Relation to Complex Traits. American Journal of Human Genetics, 2017, 100, 571-580.	6.2	101
27	Yeast genetic interaction screen of human genes associated with amyotrophic lateral sclerosis: identification of MAP2K5 kinase as a potential drug target. Genome Research, 2017, 27, 1487-1500.	5.5	12
28	Proteome-Scale Human Interactomics. Trends in Biochemical Sciences, 2017, 42, 342-354.	7. 5	129
29	Challenges and recommendations for epigenomics in precision health. Nature Biotechnology, 2017, 35, 1128-1132.	17.5	19
30	A framework for exhaustively mapping functional missense variants. Molecular Systems Biology, 2017, 13, 957.	7.2	146
31	Identifying pathogenicity of human variants via paralog-based yeast complementation. PLoS Genetics, 2017, 13, e1006779.	3.5	30
32	Domain-based prediction of the human isoform interactome provides insights into the functional impact of alternative splicing. PLoS Computational Biology, 2017, 13, e1005717.	3.2	30
33	An interâ€species protein–protein interaction network across vast evolutionary distance. Molecular Systems Biology, 2016, 12, 865.	7.2	42
34	Pooledâ€matrix protein interaction screens using Barcode Fusion Genetics. Molecular Systems Biology, 2016, 12, 863.	7.2	102
35	An extended set of yeast-based functional assays accurately identifies human disease mutations. Genome Research, 2016, 26, 670-680.	5.5	116
36	How much of the human protein interactome remains to be mapped?. Science Signaling, 2016, 9, eg7.	3.6	31

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37	Network-based in silico drug efficacy screening. Nature Communications, 2016, 7, 10331.	12.8	394
38	Proteome-scale Binary Interactomics in Human Cells. Molecular and Cellular Proteomics, 2016, 15, 3624-3639.	3.8	23
39	The transcription factor ERG recruits CCR4–NOT to control mRNA decay and mitotic progression. Nature Structural and Molecular Biology, 2016, 23, 663-672.	8.2	35
40	Mapping transcription factor interactome networks using HaloTag protein arrays. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4238-47.	7.1	67
41	Survey of variation in human transcription factors reveals prevalent DNA binding changes. Science, 2016, 351, 1450-1454.	12.6	114
42	A Zebrafish Genetic Screen Identifies Neuromedin U as a Regulator of Sleep/Wake States. Neuron, 2016, 89, 842-856.	8.1	81
43	Widespread Expansion of Protein Interaction Capabilities by Alternative Splicing. Cell, 2016, 164, 805-817.	28.9	479
44	<i>MECP2</i> Is a Frequently Amplified Oncogene with a Novel Epigenetic Mechanism That Mimics the Role of Activated RAS in Malignancy. Cancer Discovery, 2016, 6, 45-58.	9.4	57
45	Spatiotemporal 16p11.2 Protein Network Implicates Cortical Late Mid-Fetal Brain Development and KCTD13-Cul3-RhoA Pathway in Psychiatric Diseases. Neuron, 2015, 85, 742-754.	8.1	139
46	Uncovering disease-disease relationships through the incomplete interactome. Science, 2015, 347, 1257601.	12.6	1,219
47	A disease module in the interactome explains disease heterogeneity, drug response and captures novel pathways and genes in asthma. Human Molecular Genetics, 2015, 24, 3005-3020.	2.9	162
48	Protein Domain-Level Landscape of Cancer-Type-Specific Somatic Mutations. PLoS Computational Biology, 2015, 11, e1004147.	3.2	59
49	Human Gene-Centered Transcription Factor Networks for Enhancers and Disease Variants. Cell, 2015, 161, 661-673.	28.9	111
50	Widespread Macromolecular Interaction Perturbations in Human Genetic Disorders. Cell, 2015, 161, 647-660.	28.9	482
51	Global Edgetic Rewiring in Cancer Networks. Cell Systems, 2015, 1, 251-253.	6.2	28
52	Selecting causal genes from genome-wide association studies via functionally coherent subnetworks. Nature Methods, 2015, 12, 154-159.	19.0	96
53	Protein interaction network of alternatively spliced isoforms from brain links genetic risk factors for autism. Nature Communications, 2014, 5, 3650.	12.8	131
54	The yeast two-hybrid assay: still finding connections after 25 years. Nature Methods, 2014, 11, 1203-1206.	19.0	68

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55	Systematic screening reveals a role for BRCA1 in the response to transcription-associated DNA damage. Genes and Development, 2014, 28, 1957-1975.	5.9	86
56	A Chaperome Subnetwork Safeguards Proteostasis in Aging and Neurodegenerative Disease. Cell Reports, 2014, 9, 1135-1150.	6.4	476
57	A Proteome-Scale Map of the Human Interactome Network. Cell, 2014, 159, 1212-1226.	28.9	1,199
58	Multiplex single-molecule interaction profiling of DNA-barcoded proteins. Nature, 2014, 515, 554-557.	27.8	72
59	Convergent Targeting of a Common Host Protein-Network by Pathogen Effectors from Three Kingdoms of Life. Cell Host and Microbe, 2014, 16, 364-375.	11.0	367
60	Edgotype: a fundamental link between genotype and phenotype. Current Opinion in Genetics and Development, 2013, 23, 649-657.	3.3	129
61	Interactome Networks. , 2013, , 45-63.		5
62	SH3 interactome conserves general function over specific form. Molecular Systems Biology, 2013, 9, 652.	7.2	61
63	Mycobacterium tuberculosis Type VII Secreted Effector EsxH Targets Host ESCRT to Impair Trafficking. PLoS Pathogens, 2013, 9, e1003734.	4.7	167
64	Viral Perturbations of Host Networks Reflect Disease Etiology. PLoS Computational Biology, 2012, 8, e1002531.	3.2	102
65	Identification of FAM111A as an SV40 Host Range Restriction and Adenovirus Helper Factor. PLoS Pathogens, 2012, 8, e1002949.	4.7	58
66	Proto-genes and de novo gene birth. Nature, 2012, 487, 370-374.	27.8	555
67	A Protein Domain-Based Interactome Network for C.Âelegans Early Embryogenesis. Cell, 2012, 151, 1633.	28.9	4
68	Protein interactions of the transcription factor Hoxal. BMC Developmental Biology, 2012, 12, 29.	2.1	43
69	Host-pathogen interactome mapping for HTLV-1 and -2 retroviruses. Retrovirology, 2012, 9, 26.	2.0	64
70	Comparative analysis of virus–host interactomes with a mammalian high-throughput protein complementation assay based on Gaussia princeps luciferase. Methods, 2012, 58, 349-359.	3.8	59
71	Interpreting cancer genomes using systematic host network perturbations by tumour virus proteins. Nature, 2012, 487, 491-495.	27.8	349
72	Evidence for Network Evolution in an <i>Arabidopsis</i> Interactome Map. Science, 2011, 333, 601-607.	12.6	838

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73	A public genome-scale lentiviral expression library of human ORFs. Nature Methods, 2011, 8, 659-661.	19.0	477
74	Protein–Protein Interactions and Networks: Forward and Reverse Edgetics. Methods in Molecular Biology, 2011, 759, 197-213.	0.9	24
75	Interactome Networks and Human Disease. Cell, 2011, 144, 986-998.	28.9	1,543
76	Independently Evolved Virulence Effectors Converge onto Hubs in a Plant Immune System Network. Science, 2011, 333, 596-601.	12.6	776
77	Knocking out multigene redundancies via cycles of sexual assortment and fluorescence selection. Nature Methods, 2011, 8, 159-164.	19.0	74
78	Next-generation sequencing to generate interactome datasets. Nature Methods, 2011, 8, 478-480.	19.0	258
79	Reply to "Exhaustive benchmarking of the yeast two-hybrid system". Nature Methods, 2010, 7, 668-668.	19.0	3
80	Interactome Mapping of the Phosphatidylinositol 3-Kinase-Mammalian Target of Rapamycin Pathway Identifies Deformed Epidermal Autoregulatory Factor-1 as a New Glycogen Synthase Kinase-3 Interactor. Molecular and Cellular Proteomics, 2010, 9, 1578-1593.	3.8	51
81	High-Quality Binary Interactome Mapping. Methods in Enzymology, 2010, 470, 281-315.	1.0	126
82	A Genome-Wide Gene Function Prediction Resource for Drosophila melanogaster. PLoS ONE, 2010, 5, e12139.	2.5	17
83	Analysis of the human E2 ubiquitin conjugating enzyme protein interaction network. Genome Research, 2009, 19, 1905-1911.	5.5	134
84	Shifted Transversal Design smart-pooling for high coverage interactome mapping. Genome Research, 2009, 19, 1262-1269.	5 . 5	36
85	Edgetic perturbation models of human inherited disorders. Molecular Systems Biology, 2009, 5, 321.	7.2	326
86	A unifying view of 21st century systems biology. FEBS Letters, 2009, 583, 3891-3894.	2.8	105
87	Empirically controlled mapping of the Caenorhabditis elegans protein-protein interactome network. Nature Methods, 2009, 6, 47-54.	19.0	260
88	An empirical framework for binary interactome mapping. Nature Methods, 2009, 6, 83-90.	19.0	800
89	An experimentally derived confidence score for binary protein-protein interactions. Nature Methods, 2009, 6, 91-97.	19.0	397
90	Literature-curated protein interaction datasets. Nature Methods, 2009, 6, 39-46.	19.0	288

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91	'Edgetic' perturbation of a C. elegans BCL2 ortholog. Nature Methods, 2009, 6, 843-849.	19.0	71
92	Array MAPPIT: High-Throughput Interactome Analysis in Mammalian Cells. Journal of Proteome Research, 2009, 8, 877-886.	3.7	53
93	Isoform discovery by targeted cloning, 'deep-well' pooling and parallel sequencing. Nature Methods, 2008, 5, 597-600.	19.0	30
94	High-Quality Binary Protein Interaction Map of the Yeast Interactome Network. Science, 2008, 322, 104-110.	12.6	1,297
95	A Protein Domain-Based Interactome Network for C. elegans Early Embryogenesis. Cell, 2008, 134, 534-545.	28.9	196
96	Interactome Networks. FASEB Journal, 2008, 22, 262.1.	0.5	0
97	Epstein–Barr virus and virus human protein interaction maps. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7606-7611.	7.1	348
98	The human disease network. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8685-8690.	7.1	2,924
99	hORFeome v3.1: A resource of human open reading frames representing over 10,000 human genes. Genomics, 2007, 89, 307-315.	2.9	248
100	InSite: a computational method for identifying protein-protein interaction binding sites on a proteome-wide scale. Genome Biology, 2007, 8, R192.	9.6	53
101	Drug—target network. Nature Biotechnology, 2007, 25, 1119-1126.	17.5	1,584
102	Network modeling links breast cancer susceptibility and centrosome dysfunction. Nature Genetics, 2007, 39, 1338-1349.	21.4	602
103	Insight into transcription factor gene duplication from Caenorhabditis elegans Promoterome-driven expression patterns. BMC Genomics, 2007, 8, 27.	2.8	120
104	A Protein–Protein Interaction Network for Human Inherited Ataxias and Disorders of Purkinje Cell Degeneration. Cell, 2006, 125, 801-814.	28.9	714
105	Reply to Toward the complete interactome. Nature Biotechnology, 2006, 24, 615-615.	17.5	1
106	QUICKstep and GS-TAP: new moves for protein-interaction analysis. Nature Methods, 2006, 3, 975-976.	19.0	5
107	From genome to proteome: developing expression clone resources for the human genome. Human Molecular Genetics, 2006, 15, R31-R43.	2.9	26
108	Intrinsic Disorder Is a Common Feature of Hub Proteins from Four Eukaryotic Interactomes. PLoS Computational Biology, 2006, 2, e100.	3.2	512

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109	From genome to proteome: developing expression clone resources for the human genome. Human Molecular Genetics, 2006, 15, 2184-2184.	2.9	1
110	TheC.elegansinteractome project. , 2005, , .		0
111	Effect of sampling on topology predictions of protein-protein interaction networks. Nature Biotechnology, 2005, 23, 839-844.	17.5	302
112	Perturbing interactions. Nature Methods, 2005, 2, 412-414.	19.0	6
113	Predictive models of molecular machines involved in Caenorhabditis elegans early embryogenesis. Nature, 2005, 436, 861-865.	27.8	260
114	Towards a proteome-scale map of the human protein–protein interaction network. Nature, 2005, 437, 1173-1178.	27.8	2,676
115	Interactome: gateway into systems biology. Human Molecular Genetics, 2005, 14, R171-R181.	2.9	329
116	Interactome modeling. FEBS Letters, 2005, 579, 1834-1838.	2.8	99
117	A First Version of the Caenorhabditis elegans Promoterome. Genome Research, 2004, 14, 2169-2175.	5 . 5	155
118	A Gateway-Compatible Yeast One-Hybrid System. Genome Research, 2004, 14, 2093-2101.	5. 5	189
119	Annotation Transfer Between Genomes: Protein-Protein Interologs and Protein-DNA Regulogs. Genome Research, 2004, 14, 1107-1118.	5.5	516
120	ORFeome Cloning and Systems Biology: Standardized Mass Production of the Parts From the Parts-List. Genome Research, 2004, 14, 2001-2009.	5.5	69
121	C. elegans ORFeome Version 3.1: Increasing the Coverage of ORFeome Resources With Improved Gene Predictions. Genome Research, 2004, 14, 2064-2069.	5.5	107
122	Human ORFeome Version 1.1: A Platform for Reverse Proteomics. Genome Research, 2004, 14, 2128-2135.	5 . 5	208
123	Evidence for dynamically organized modularity in the yeast protein–protein interaction network. Nature, 2004, 430, 88-93.	27.8	1,683
124	A Map of the Interactome Network of the Metazoan <i>C. elegans</i> . Science, 2004, 303, 540-543.	12.6	1,587
125	Combining biological networks to predict genetic interactions. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15682-15687.	7.1	225
126	Increasing specificity in high-throughput yeast two-hybrid experiments. Methods, 2004, 32, 363-370.	3.8	135

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127	Systematic Interactome Mapping and Genetic Perturbation Analysis of a C. elegans TGF- \hat{l}^2 Signaling Network. Molecular Cell, 2004, 13, 469-482.	9.7	136
128	Integrating â€~omic' information: a bridge between genomics and systems biology. Trends in Genetics, 2003, 19, 551-560.	6.7	407
129	Reply to "Does mapping reveal correlation between gene expression and protein–protein interaction?". Nature Genetics, 2003, 33, 16-17.	21.4	7
130	C. elegans ORFeome version 1.1: experimental verification of the genome annotation and resource for proteome-scale protein expression. Nature Genetics, 2003, 34, 35-41.	21.4	347
131	WorfDB: the Caenorhabditis elegans ORFeome Database. Nucleic Acids Research, 2003, 31, 237-240.	14.5	35
132	Forward and Reverse Proteomics. , 2003, , 255-276.		0
133	Combined Functional Genomic Maps of the C. elegans DNA Damage Response. Science, 2002, 295, 127-131.	12.6	270
134	Integrated version of reverse two-hybrid system for the postproteomic era. Methods in Enzymology, 2002, 350, 525-545.	1.0	10
135	Integrating Interactome, Phenome, and Transcriptome Mapping Data for the C. elegans Germline. Current Biology, 2002, 12, 1952-1958.	3.9	170
136	High-Throughput Yeast Two-Hybrid Assays for Large-Scale Protein Interaction Mapping. Methods, 2001, 24, 297-306.	3.8	258
137	A Biological Atlas of Functional Maps. Cell, 2001, 104, 333-339.	28.9	188
138	Mutational analysis of the J recombination signal sequence binding protein (RBP-J)/Epstein-Barr virus nuclear antigen 2 (EBNA2) and RBP-J/Notch interaction. FEBS Journal, 2001, 268, 4639-4646.	0.2	21
139	Use of protein-interaction maps to formulate biological questions. Current Opinion in Chemical Biology, 2001, 5, 57-62.	6.1	11
140	A protein–protein interaction map of the Caenorhabditis elegans 26S proteasome. EMBO Reports, 2001, 2, 821-828.	4.5	173
141	Open-reading-frame sequence tags (OSTs) support the existence of at least 17,300 genes in C. elegans. Nature Genetics, 2001, 27, 332-336.	21.4	159
142	Correlation between transcriptome and interactome mapping data from Saccharomyces cerevisiae. Nature Genetics, 2001, 29, 482-486.	21.4	570
143	Protein interaction maps for model organisms. Nature Reviews Molecular Cell Biology, 2001, 2, 55-63.	37.0	139
144	Human T cell leukemia virus type 1 Tax associates with a molecular chaperone complex containing hTid-1 and Hsp70. Current Biology, 2001, 11, 1771-1775.	3.9	73

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145	Identification of Potential Interaction Networks Using Sequence-Based Searches for Conserved Protein-Protein Interactions or "Interologs". Genome Research, 2001, 11, 2120-2126.	5.5	431
146	Histone deacetylase-dependent transcriptional repression by pRB in yeast occurs independently of interaction through the LXCXE binding cleft. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8720-8725.	7.1	26
147	[6] A green fluorescent protein-based reverse two-hybrid system: Application to the characterization of large numbers of potential protein-protein interactions. Methods in Enzymology, 2000, 328, 74-IN1.	1.0	19
148	Yeast Two-Hybrid Systems and Protein Interaction Mapping Projects for Yeast and Worm. Yeast, 2000, 1, 88-94.	1.7	121
149	Protein Interaction Mapping in C. elegans Using Proteins Involved in Vulval Development. Science, 2000, 287, 116-122.	12.6	766
150	[34] GATEWAY recombinational cloning: Application to the cloning of large numbers of open reading frames or ORFeomes. Methods in Enzymology, 2000, 328, 575-IN7.	1.0	570
151	Yeast Two-Hybrid Systems and Protein Interaction Mapping Projects for Yeast and Worm. Yeast, 2000, 1, 88-94.	1.7	16
152	A Genetic Strategy to Eliminate Self-Activator Baits Prior to High-Throughput Yeast Two-Hybrid Screens. Genome Research, 1999, 9, 1128-1134.	5 . 5	51
153	Prospects for drug screening using the reverse two-hybrid system. Trends in Biotechnology, 1999, 17, 374-381.	9.3	88
154	A Novel Human DnaJ Protein, hTid-1, a Homolog of the Drosophila Tumor Suppressor Protein Tid56, Can Interact with the Human Papillomavirus Type 16 E7 Oncoprotein. Virology, 1998, 247, 74-85.	2.4	102
155	A Model of Elegance. American Journal of Human Genetics, 1998, 63, 955-961.	6.2	22
156	Dominant-negative p53 mutations selected in yeast hit cancer hot spots Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 4091-4095.	7.1	158
157	Reverse two-hybrid and one-hybrid systems to detect dissociation of protein-protein and DNA-protein interactions Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 10315-10320.	7.1	416
158	A novel member of the RING finger family, KRIP-1, associates with the KRAB-A transcriptional repressor domain of zinc finger proteins. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15299-15304.	7.1	260
159	E2F-4 and E2F-5, two members of the E2F family, are expressed in the early phases of the cell cycle Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 2403-2407.	7.1	342
160	Screening patients for heterozygous p53 mutations using a functional assay in yeast. Nature Genetics, 1993, 5, 124-129.	21.4	243