Nitin Gupta

List of Publications by Year
in descending order

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37 papers	2,031 citations	331259 21 h-index	377514 34 g-index
44 all docs	44 docs citations	44 times ranked	3416 citing authors

#	Article	IF	Citations
1	Spectral Probabilities and Generating Functions of Tandem Mass Spectra: A Strike against Decoy Databases. Journal of Proteome Research, 2008, 7, 3354-3363.	1.8	426
2	Does Trypsin Cut Before Proline?. Journal of Proteome Research, 2008, 7, 300-305.	1.8	217
3	Whole proteome analysis of post-translational modifications: Applications of mass-spectrometry for proteogenomic annotation. Genome Research, 2007, 17, 1362-1377.	2.4	175
4	False Discovery Rates of Protein Identifications: A Strike against the Two-Peptide Rule. Journal of Proteome Research, 2009, 8, 4173-4181.	1.8	164
5	Target-Decoy Approach and False Discovery Rate: When Things May Go Wrong. Journal of the American Society for Mass Spectrometry, 2011, 22, 1111-1120.	1.2	134
6	Comparative proteogenomics: Combining mass spectrometry and comparative genomics to analyze multiple genomes. Genome Research, 2008, 18, 1133-1142.	2.4	97
7	Functional Analysis of a Higher Olfactory Center, the Lateral Horn. Journal of Neuroscience, 2012, 32, 8138-8148.	1.7	92
8	Spectral Dictionaries. Molecular and Cellular Proteomics, 2009, 8, 53-69.	2.5	87
9	QNet: A Tool for Querying Protein Interaction Networks. Journal of Computational Biology, 2008, 15, 913-925.	0.8	86
10	N-terminal Protein Processing: A Comparative Proteogenomic Analysis. Molecular and Cellular Proteomics, 2013, 12, 14-28.	2.5	80
11	A Temporal Channel for Information in Sparse Sensory Coding. Current Biology, 2014, 24, 2247-2256.	1.8	43
12	Evolution and similarity evaluation of protein structures in contact map space. Proteins: Structure, Function and Bioinformatics, 2005, 59, 196-204.	1.5	39
13	Feed-Forward versus Feedback Inhibition in a Basic Olfactory Circuit. PLoS Computational Biology, 2015, 11, e1004531.	1.5	34
14	Preservation of Some Aging Properties and Stochastic Orders by Weighted Distributions. Communications in Statistics - Theory and Methods, 2008, 37, 627-644.	0.6	31
15	Matrix Metalloproteinase-9 Regulates Neuronal Circuit Development and Excitability. Molecular Neurobiology, 2016, 53, 3477-3493.	1.9	30
16	Mass Spectrometry-Based Neuropeptidomics of Secretory Vesicles from Human Adrenal Medullary Pheochromocytoma Reveals Novel Peptide Products of Prohormone Processing. Journal of Proteome Research, 2010, 9, 5065-5075.	1.8	29
17	Mining Quantitative Association Rules in Protein Sequences. Lecture Notes in Computer Science, 2006, , 273-281.	1.0	28
18	Analyzing protease specificity and detecting in vivo proteolytic events using tandem mass spectrometry. Proteomics, 2010, 10, 2833-2844.	1.3	27

#	Article	IF	Citations
19	Oscillatory integration windows in neurons. Nature Communications, 2016, 7, 13808.	5.8	24
20	Neuropeptidomic Components Generated by Proteomic Functions in Secretory Vesicles for Cellâ€“Cell Communication. AAPS Journal, 2010, 12, 635-645.	2.2	23
21	Bilateral and unilateral odor processing and odor perception. Communications Biology, 2020, 3, 150.	2.0	23
22	Coupled foldingâ€“binding versus docking: A lattice model study. Journal of Chemical Physics, 2004, 120, 3983-3989.	1.2	22
23	Insect olfactory coding and memory at multiple timescales. Current Opinion in Neurobiology, 2011, 21, 768-773.	2.0	18
24	Classification of odorants across layers in locust olfactory pathway. Journal of Neurophysiology, 2016, 115, 2303-2316.	0.9	14
25	Development and testing of a game-based digital intervention for working memory training in autism spectrum disorder. Scientific Reports, 2021, 11, 13800.	1.6	13
26	Multiple network properties overcome random connectivity to enable stereotypic sensory responses. Nature Communications, 2020, 11, 1023.	5.8	12
27	Functional olfactory evolution in Drosophila suzukii and the subgenus Sophophora. IScience, 2022, 25, 104212.	1.9	12
28	iMOT: an interactive package for the selection of spatially interacting motifs. Nucleic Acids Research, 2004, 32, W602-W605.	6.5	9
29	Negative results need airing too. Nature, 2011, 470, 39-39.	13.7	9
30	Sequence-Based Prediction of Olfactory Receptor Responses. Chemical Senses, 2019, 44, 693-703.	1.1	9
31	Olfactory Coding: Giant Inhibitory Neuron Governs Sparse Odor Codes. Current Biology, 2011, 21, R504-R506.	1.8	7
32	Evaluating the Dietary Intakes of Energy, Macronutrients, Sugar, Fiber, and Micronutrients in Children With Celiac Disease. Journal of Pediatric Gastroenterology and Nutrition, 2020, 71, 246-251.	0.9	6
33	Influence of Dietitians in Preventing Parenteral Nutrition Prescription Errors in Children. Journal of Parenteral and Enteral Nutrition, 2018, 42, 607-612.	1.3	4
34	Sensory Coding: Neurons That Wire Together Fire Longer. Current Biology, 2018, 28, R608-R610.	1.8	4
35	Mosquito Olfactory Response Ensemble enables pattern discovery by curating a behavioral and electrophysiological response database. IScience, 2022, 25, 103938.	1.9	1
36	Insect Olfaction: A Model System for Neural Circuit Modeling. , 2013, , 1-7.		0

#	Article	IF	Citations
37	Insect Olfaction: A Model System for Neural Circuit Modeling. , 2022, , 1677-1682.		0