

Nitin Gupta

List of Publications by Year in descending order

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37
papers

2,031
citations

331670

21
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

3416
citing authors

#	ARTICLE	IF	CITATIONS
1	Mosquito Olfactory Response Ensemble enables pattern discovery by curating a behavioral and electrophysiological response database. <i>IScience</i> , 2022, 25, 103938.	4.1	1
2	Functional olfactory evolution in <i>Drosophila suzukii</i> and the subgenus <i>Sophophora</i> . <i>IScience</i> , 2022, 25, 104212.	4.1	12
3	Insect Olfaction: A Model System for Neural Circuit Modeling. , 2022, , 1677-1682.		0
4	Development and testing of a game-based digital intervention for working memory training in autism spectrum disorder. <i>Scientific Reports</i> , 2021, 11, 13800.	3.3	13
5	Evaluating the Dietary Intakes of Energy, Macronutrients, Sugar, Fiber, and Micronutrients in Children With Celiac Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, 246-251.	1.8	6
6	Multiple network properties overcome random connectivity to enable stereotypic sensory responses. <i>Nature Communications</i> , 2020, 11, 1023.	12.8	12
7	Bilateral and unilateral odor processing and odor perception. <i>Communications Biology</i> , 2020, 3, 150.	4.4	23
8	Sequence-Based Prediction of Olfactory Receptor Responses. <i>Chemical Senses</i> , 2019, 44, 693-703.	2.0	9
9	Influence of Dietitians in Preventing Parenteral Nutrition Prescription Errors in Children. <i>Journal of Parenteral and Enteral Nutrition</i> , 2018, 42, 607-612.	2.6	4
10	Sensory Coding: Neurons That Wire Together Fire Longer. <i>Current Biology</i> , 2018, 28, R608-R610.	3.9	4
11	Classification of odorants across layers in locust olfactory pathway. <i>Journal of Neurophysiology</i> , 2016, 115, 2303-2316.	1.8	14
12	Oscillatory integration windows in neurons. <i>Nature Communications</i> , 2016, 7, 13808.	12.8	24
13	Matrix Metalloproteinase-9 Regulates Neuronal Circuit Development and Excitability. <i>Molecular Neurobiology</i> , 2016, 53, 3477-3493.	4.0	30
14	Feed-Forward versus Feedback Inhibition in a Basic Olfactory Circuit. <i>PLoS Computational Biology</i> , 2015, 11, e1004531.	3.2	34
15	A Temporal Channel for Information in Sparse Sensory Coding. <i>Current Biology</i> , 2014, 24, 2247-2256.	3.9	43
16	N-terminal Protein Processing: A Comparative Proteogenomic Analysis. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 14-28.	3.8	80
17	Insect Olfaction: A Model System for Neural Circuit Modeling. , 2013, , 1-7.		0
18	Functional Analysis of a Higher Olfactory Center, the Lateral Horn. <i>Journal of Neuroscience</i> , 2012, 32, 8138-8148.	3.6	92

#	ARTICLE	IF	CITATIONS
19	Negative results need airing too. <i>Nature</i> , 2011, 470, 39-39.	27.8	9
20	Insect olfactory coding and memory at multiple timescales. <i>Current Opinion in Neurobiology</i> , 2011, 21, 768-773.	4.2	18
21	Olfactory Coding: Giant Inhibitory Neuron Governs Sparse Odor Codes. <i>Current Biology</i> , 2011, 21, R504-R506.	3.9	7
22	Target-Decoy Approach and False Discovery Rate: When Things May Go Wrong. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1111-1120.	2.8	134
23	Neuropeptidomic Components Generated by Proteomic Functions in Secretory Vesicles for Cell-Cell Communication. <i>AAPS Journal</i> , 2010, 12, 635-645.	4.4	23
24	Analyzing protease specificity and detecting <i>in vivo</i> proteolytic events using tandem mass spectrometry. <i>Proteomics</i> , 2010, 10, 2833-2844.	2.2	27
25	Mass Spectrometry-Based Neuropeptidomics of Secretory Vesicles from Human Adrenal Medullary Pheochromocytoma Reveals Novel Peptide Products of Prohormone Processing. <i>Journal of Proteome Research</i> , 2010, 9, 5065-5075.	3.7	29
26	Spectral Dictionaries. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 53-69.	3.8	87
27	False Discovery Rates of Protein Identifications: A Strike against the Two-Peptide Rule. <i>Journal of Proteome Research</i> , 2009, 8, 4173-4181.	3.7	164
28	Does Trypsin Cut Before Proline?. <i>Journal of Proteome Research</i> , 2008, 7, 300-305.	3.7	217
29	Preservation of Some Aging Properties and Stochastic Orders by Weighted Distributions. <i>Communications in Statistics - Theory and Methods</i> , 2008, 37, 627-644.	1.0	31
30	Spectral Probabilities and Generating Functions of Tandem Mass Spectra: A Strike against Decoy Databases. <i>Journal of Proteome Research</i> , 2008, 7, 3354-3363.	3.7	426
31	QNet: A Tool for Querying Protein Interaction Networks. <i>Journal of Computational Biology</i> , 2008, 15, 913-925.	1.6	86
32	Comparative proteogenomics: Combining mass spectrometry and comparative genomics to analyze multiple genomes. <i>Genome Research</i> , 2008, 18, 1133-1142.	5.5	97
33	Whole proteome analysis of post-translational modifications: Applications of mass-spectrometry for proteogenomic annotation. <i>Genome Research</i> , 2007, 17, 1362-1377.	5.5	175
34	Mining Quantitative Association Rules in Protein Sequences. <i>Lecture Notes in Computer Science</i> , 2006, , 273-281.	1.3	28
35	Evolution and similarity evaluation of protein structures in contact map space. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 196-204.	2.6	39
36	Coupled folding-binding versus docking: A lattice model study. <i>Journal of Chemical Physics</i> , 2004, 120, 3983-3989.	3.0	22

#	ARTICLE	IF	CITATIONS
37	iMOT: an interactive package for the selection of spatially interacting motifs. Nucleic Acids Research, 2004, 32, W602-W605.	14.5	9