

# Sachin Gajbhiye

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9111971/publications.pdf>

Version: 2024-02-01

17  
papers

448  
citations

1163117

8  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

425  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review for dynamics in neuron and neuronal network. <i>Nonlinear Dynamics</i> , 2017, 89, 1569-1578.	5.2	332
2	Modeling Alternative Splicing Variants from RNA-Seq Data with Isoform Graphs. <i>Journal of Computational Biology</i> , 2014, 21, 16-40.	1.6	22
3	Multiscale nonlinear frequency response analysis of single-layered graphene sheet under impulse and harmonic excitation using the atomistic finite element method. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 145305.	2.8	14
4	LSG: An External-Memory Tool to Compute String Graphs for Next-Generation Sequencing Data Assembly. <i>Journal of Computational Biology</i> , 2016, 23, 137-149.	1.6	14
5	FSG: Fast String Graph Construction for De Novo Assembly. <i>Journal of Computational Biology</i> , 2017, 24, 953-968.	1.6	12
6	Nonlinear dynamics of bi-layered graphene sheet, double-walled carbon nanotube and nanotube bundle. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	9
7	An External-Memory Algorithm for String Graph Construction. <i>Algorithmica</i> , 2017, 78, 394-424.	1.3	9
8	Vibration characteristics of open- and capped-end single-walled carbon nanotubes using multi-scale analysis technique incorporating Tersoffâ€™Brenner potential. <i>Acta Mechanica</i> , 2015, 226, 3565-3586.	2.1	8
9	High-Resolution 3D FIB-SEM Image Analysis and Validation of Numerical Simulations of Nanometre-Scale Porous Ceramic with Comparisons to Experimental Results. <i>Transport in Porous Media</i> , 2017, 118, 373-392.	2.6	8
10	Vibration analysis of single-walled carbon nanocones using multiscale atomistic finite element method incorporating Tersoffâ€™Brenner potential. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 271-286.	2.3	6
11	Constructing String Graphs in External Memory. <i>Lecture Notes in Computer Science</i> , 2014, , 311-325.	1.3	5
12	Multiscale Analysis Approach to Find the Dynamic Characteristics of Graphene Sheet. <i>Applied Mechanics and Materials</i> , 0, 592-594, 1119-1124.	0.2	3
13	Computing the multi-string BWT and LCP array in external memory. <i>Theoretical Computer Science</i> , 2021, 862, 42-58.	0.9	3
14	Multiscale Modeling of Dynamic Characteristics of Carbon Nanotube Reinforced Nanocomposites. <i>Nano</i> , 2016, 11, 1650083.	1.0	1
15	Extra Sign Bit Hiding Algorithm Based on Recovery of Transform Coefficients. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 4128-4135.	2.0	1
16	Weak and TV consistency in Bayesian uncertainty quantification using disintegration. <i>Boletin De La Sociedad Matematica Mexicana</i> , 2021, 27, 1.	0.7	1
17	Automata and Formal Languages for Next Generation Sequencing Data. <i>Electronic Proceedings in Theoretical Computer Science, EPTCS</i> , 0, 252, 1-2.	0.8	0