

# Richa Karmakar

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

183  
citations

1307366

7  
h-index

1125617

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell dispersal by localized degradation of a chemoattractant. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2008126118.	3.3	4
2	State of the art of bacterial chemotaxis. Journal of Basic Microbiology, 2021, 61, 366-379.	1.8	51
3	Boolink: a graphical interface for open access Boolean network simulations and use in guard cell CO <sub>2</sub> signaling. Plant Physiology, 2021, 187, 2311-2322.	2.3	17
4	Cellular memory in eukaryotic chemotaxis depends on the background chemoattractant concentration. Physical Review E, 2021, 103, 012402.	0.8	17
5	Novel micropatterning technique reveals dependence of cell-substrate adhesion and migration of social amoebas on parental strain, development, and fluorescent markers. PLoS ONE, 2020, 15, e0236171.	1.1	4
6	Cell motility dependence on adhesive wetting. Soft Matter, 2019, 15, 2043-2050.	1.2	26
7	Escherichia coli modulates its motor speed on sensing an attractant. Archives of Microbiology, 2016, 198, 827-833.	1.0	7
8	Enhancement of Swimming Speed Leads to a More-Efficient Chemotactic Response to Repellent. Applied and Environmental Microbiology, 2016, 82, 1205-1214.	1.4	9
9	Variation of swimming speed enhances the chemotactic migration of Escherichia coli. Systems and Synthetic Biology, 2015, 9, 85-95.	1.0	6
10	Variation in swimming speed of Escherichia coli in response to attractant. Archives of Microbiology, 2015, 197, 211-222.	1.0	14
11	Motor characteristics determine the rheological behavior of a suspension of microswimmers. Physics of Fluids, 2014, 26, 071905.	1.6	7
12	Effect on $\beta$ -galactosidase synthesis and burden on growth of osmotic stress in Escherichia coli. SpringerPlus, 2014, 3, 748.	1.2	6
13	Study on the Effect of Glucose on Trg Receptor of Escherichia coli Using Soft Agar Experiment. Indian Chemical Engineer, 2014, 56, 229-234.	0.9	0
14	Rheological Behavior of a Suspension of Escherichia Coli with Varying Motor Characteristics. Biophysical Journal, 2014, 106, 577a.	0.2	1
15	Effect of Pretreatments on Physico-Chemical Characteristics of Sugarcane Juice. Sugar Tech, 2011, 13, 47-50.	0.9	12
16	Gluconeogenesis: A Metabolic Pathway in Eukaryotic Cells such as Cellular Slime Molds. , 0, , .		1