

# Gunjan Prakash

## List of Publications by Year in descending order

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28  
papers

594  
citations

687363

13  
h-index

610901

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Engineering of <i>Chlamydomonas reinhardtii</i> for Enhanced $\beta$ -Carotene and Lutein Production. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 1457-1469.	2.9	56
2	Statistical elicitor optimization studies for the enhancement of azadirachtin production in bioreactor <i>Azadirachta indica</i> cell cultivation. <i>Biochemical Engineering Journal</i> , 2008, 40, 218-226.	3.6	53
3	Necessity of a two-stage process for the production of azadirachtin-related limonoids in suspension cultures of <i>Azadirachta indica</i> . <i>Journal of Bioscience and Bioengineering</i> , 2003, 96, 16-22.	2.2	52
4	Statistical media optimization for cell growth and azadirachtin production in <i>Azadirachta indica</i> (A.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.7	50
5	Production of azadirachtin from plant tissue culture: State of the art and future prospects. <i>Biotechnology and Bioprocess Engineering</i> , 2002, 7, 185-193.	2.6	47
6	Azadirachtin production in stirred tank reactors by <i>Azadirachta indica</i> suspension culture. <i>Process Biochemistry</i> , 2007, 42, 93-97.	3.7	46
7	<i>Agrobacterium</i> -mediated transformation of promising oil-bearing marine algae <i>Parachlorella kessleri</i> . <i>Photosynthesis Research</i> , 2013, 118, 141-146.	2.9	42
8	Modeling of azadirachtin production by <i>Azadirachta indica</i> and its use for feed forward optimization studies. <i>Biochemical Engineering Journal</i> , 2006, 29, 62-68.	3.6	32
9	Variability of azadirachtin in <i>Azadirachta indica</i> (neem) and batch kinetics studies of cell suspension culture. <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 198-204.	2.6	30
10	Reduced chlorophyll antenna mutants of <i>Chlorella saccharophila</i> for higher photosynthetic efficiency and biomass productivity under high light intensities. <i>Journal of Applied Phycology</i> , 2020, 32, 1559-1567.	2.8	27
11	Heterologous expression of a mutant Orange gene from <i>Brassica oleracea</i> increases carotenoids and induces phenotypic changes in the microalga <i>Chlamydomonas reinhardtii</i> . <i>Algal Research</i> , 2020, 47, 101871.	4.6	19
12	Integrated yield and productivity enhancement strategy for biotechnological production of Azadirachtin by suspension culture of <i>Azadirachta indica</i> . <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011, 6, 129-137.	1.5	16
13	Integration of continuous-high cell density-fed-batch fermentation for <i>Aurantiochytrium limacinum</i> for simultaneous high biomass, lipids and docosahexaenoic acid production. <i>Bioresource Technology</i> , 2021, 325, 124636.	9.6	16
14	Co-cultivation of <i>Phaeodactylum tricornutum</i> and <i>Aurantiochytrium limacinum</i> for polyunsaturated omega-3 fatty acids production. <i>Bioresource Technology</i> , 2022, 346, 126544.	9.6	16
15	Isolation and optimization of a novel thraustochytrid strain for DHA rich and astaxanthin comprising biomass as aquafeed supplement. <i>3 Biotech</i> , 2021, 11, 71.	2.2	14
16	Trehalose phosphate synthase overexpression in <i>Parachlorella kessleri</i> improves growth and photosynthetic performance under high light conditions. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 803-809.	1.9	13
17	Bioconversion of waste acid oil to docosahexaenoic acid by integration of <i>ex novo</i> and <i>de novo</i> fermentation in <i>Aurantiochytrium limacinum</i> . <i>Bioresource Technology</i> , 2021, 332, 125062.	9.6	13
18	Production of Biopesticides in an In Situ Cell Retention Bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 307-318.	2.9	9

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19	Prebiotic activity of paramylon isolated from heterotrophically grown <i>Euglena gracilis</i> . <i>Heliyon</i> , 2021, 7, e07884.	3.2	9
20	Growth engineering of <i>Propionibacterium freudenreichii shermanii</i> for organic acids and other value-added products formation. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 6-12.	1.9	8
21	Organic waste streams as feedstock for the production of high volume-low value products. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11904-11914.	5.3	7
22	2,3-Butanediol production using soy-based nitrogen source and fermentation process evaluation by a novel isolate of <i>Bacillus licheniformis</i> BL1. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 1046-1055.	1.9	7
23	The chloroplast genome of a resilient chlorophycean microalga <i>Asterarcys</i> sp.. <i>Algal Research</i> , 2020, 49, 101952.	4.6	4
24	An efficient algae cell wall disruption methodology for recovery of intact chloroplasts from microalgae. <i>Journal of Applied Biology &amp; Biotechnology</i> , 2020, 8, 23-28.	1.1	3
25	Cloning, expression, and purification of <i>Chlamydomonas reinhardtii</i> CC-503 sedoheptulose 1,7-bisphosphatase in <i>Escherichia coli</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 810-814.	1.9	2
26	Necessity of a Two-Stage Process for the Production of Azadirachtin-Related Limonoids in Suspension Cultures of <i>Azadirachta indica</i> . <i>Journal of Bioscience and Bioengineering</i> , 2003, 96, 16-22.	2.2	2
27	Heterologous mannitol-1-phosphate dehydrogenase gene over-expression in <i>Parachlorella kessleri</i> for enhanced microalgal biomass productivity. <i>Journal of Genetic Engineering and Biotechnology</i> , 2022, 20, 38.	3.3	1
28	Development of chloroplast engineering tools for <i>Asterarcys</i> sp.: A resilient scenedesmaceae microalga. <i>Algal Research</i> , 2022, 66, 102770.	4.6	0