

# Peter B Otoupal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2332836/publications.pdf>

Version: 2024-02-01

16  
papers

837  
citations

840585

11  
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940416

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g-index

20  
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20  
docs citations

20  
times ranked

1025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile accelerated specific therapeutic (FAST) platform develops antisense therapies to counter multidrug-resistant bacteria. <i>Communications Biology</i> , 2021, 4, 331.	2.0	17
2	Alkanolamines as Dual Functional Solvents for Biomass Deconstruction and Bioenergy Production. <i>Green Chemistry</i> , 2021, 23, 8611-8631.	4.6	8
3	Potentiating antibiotic efficacy via perturbation of non-essential gene expression. <i>Communications Biology</i> , 2021, 4, 1267.	2.0	9
4	Nucleotide and structural label identification in single RNA molecules with quantum tunneling spectroscopy. <i>Chemical Science</i> , 2019, 10, 1052-1063.	3.7	12
5	Multiplexed CRISPR-Cas9-Based Genome Editing of <i>Rhodospiridium toruloides</i> . <i>MSphere</i> , 2019, 4, .	1.3	47
6	Design of a De Novo Aggregating Antimicrobial Peptide and a Bacterial Conjugation-Based Delivery System. <i>Biochemistry</i> , 2019, 58, 1521-1526.	1.2	4
7	High-Throughput Block Optical DNA Sequence Identification. <i>Small</i> , 2018, 14, 1703165.	5.2	13
8	CRISPR Gene Perturbations Provide Insights for Improving Bacterial Biofuel Tolerance. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 122.	2.0	19
9	Multiplexed deactivated CRISPR-Cas9 gene expression perturbations deter bacterial adaptation by inducing negative epistasis. <i>Communications Biology</i> , 2018, 1, 129.	2.0	11
10	Transcriptome-Level Signatures in Gene Expression and Gene Expression Variability during Bacterial Adaptive Evolution. <i>MSphere</i> , 2017, 2, .	1.3	31
11	CRISPR Perturbation of Gene Expression Alters Bacterial Fitness under Stress and Reveals Underlying Epistatic Constraints. <i>ACS Synthetic Biology</i> , 2017, 6, 94-107.	1.9	29
12	Surveying the lipogenesis landscape in <i>Yarrowia lipolytica</i> through understanding the function of a Mga2p regulatory protein mutant. <i>Metabolic Engineering</i> , 2015, 31, 102-111.	3.6	66
13	Gene Expression Variability Underlies Adaptive Resistance in Phenotypically Heterogeneous Bacterial Populations. <i>ACS Infectious Diseases</i> , 2015, 1, 555-567.	1.8	21
14	Harnessing <i>Yarrowia lipolytica</i> lipogenesis to create a platform for lipid and biofuel production. <i>Nature Communications</i> , 2014, 5, 3131.	5.8	488
15	Increasing expression level and copy number of a <i>Yarrowia lipolytica</i> plasmid through regulated centromere function. <i>FEMS Yeast Research</i> , 2014, 14, n/a-n/a.	1.1	43
16	Decaffeination and Measurement of Caffeine Content by Addicted <i>Escherichia coli</i> with a Refactored N-Demethylation Operon from <i>Pseudomonas putida</i> CBB5. <i>ACS Synthetic Biology</i> , 2013, 2, 301-307.	1.9	15