

# Michelle H Rich

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9515690/publications.pdf>

Version: 2024-02-01

9  
papers

188  
citations

1478505

6  
h-index

1588992

8  
g-index

12  
all docs

12  
docs citations

12  
times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitroreductase gene-directed enzyme prodrug therapy: insights and advances toward clinical utility. <i>Biochemical Journal</i> , 2015, 471, 131-153.	3.7	111
2	Mechanistic Understanding Enables the Rational Design of Salicylanilide Combination Therapies for Gram-Negative Infections. <i>MBio</i> , 2020, 11, .	4.1	28
3	Engineering <i>Escherichia coli</i> NfsB To Activate a Hypoxia-Resistant Analogue of the PET Probe EF5 To Enable Non-Invasive Imaging during Enzyme Prodrug Therapy. <i>Biochemistry</i> , 2019, 58, 3700-3710.	2.5	11
4	Evaluation of NfsA-like nitroreductases from <i>Neisseria meningitidis</i> and <i>Bartonella henselae</i> for enzyme-prodrug therapy, targeted cellular ablation, and dinitrotoluene bioremediation. <i>Biotechnology Letters</i> , 2018, 40, 359-367.	2.2	10
5	Mechanism of Two-/Four-Electron Reduction of Nitroaromatics by Oxygen-Insensitive Nitroreductases: The Role of a Non-Enzymatic Reduction Step. <i>Molecules</i> , 2018, 23, 1672.	3.8	10
6	Intracellular complexities of acquiring a new enzymatic function revealed by mass-randomisation of active-site residues. <i>ELife</i> , 2020, 9, .	6.0	8
7	Engineering the <i>Escherichia coli</i> Nitroreductase NfsA to Create a Flexible Enzyme-Prodrug Activation System. <i>Frontiers in Pharmacology</i> , 2021, 12, 701456.	3.5	7
8	Directed evolution of the <i>B. subtilis</i> nitroreductase YfkO improves activation of the PET-capable probe SN33623 and CB1954 prodrug. <i>Biotechnology Letters</i> , 2021, 43, 203-211.	2.2	1
9	Non-canonical (unusual) amino acids as a toolbox for antimicrobial and anticancer peptide synthesis. <i>Amino Acids, Peptides and Proteins</i> , 2020, , 44-63.	0.7	0