

# Jessica M Grandner

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

585  
citations

840776

11  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis of ligand recognition at the human MT1 melatonin receptor. <i>Nature</i> , 2019, 569, 284-288.	27.8	140
2	XFEL structures of the human MT2 melatonin receptor reveal the basis of subtype selectivity. <i>Nature</i> , 2019, 569, 289-292.	27.8	106
3	Synthesis of Photoswitchable $\mu^9$ -Tetrahydrocannabinol Derivatives Enables Optical Control of Cannabinoid Receptor 1 Signaling. <i>Journal of the American Chemical Society</i> , 2017, 139, 18206-18212.	13.7	79
4	Mechanism of the P450-Catalyzed Oxidative Cyclization in the Biosynthesis of Griseofulvin. <i>ACS Catalysis</i> , 2016, 6, 4506-4511.	11.2	64
5	Dual Photoredox/Nickel-Catalyzed Conversion of Aryl Halides to Aryl Aminooxetanes: Computational Evidence for a Substrate-Dependent Switch in Mechanism. <i>ACS Catalysis</i> , 2020, 10, 405-411.	11.2	38
6	Structure-based discovery of potent and selective melatonin receptor agonists. <i>ELife</i> , 2020, 9, .	6.0	28
7	Origins of the Stereoretentive Mechanism of Olefin Metathesis with Ru-Dithiolate Catalysts. <i>Journal of Organic Chemistry</i> , 2017, 82, 10595-10600.	3.2	22
8	In Situ Catalyst Modification in Atom Transfer Radical Reactions with Ruthenium Benzylidene Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 7171-7177.	13.7	21
9	Synthesis of Diverse 11- and 12-Membered Macrolactones from a Common Linear Substrate Using a Single Biocatalyst. <i>ACS Central Science</i> , 2017, 3, 1304-1310.	11.3	21
10	Computational-Based Mechanistic Study and Engineering of Cytochrome P450 MycG for Selective Oxidation of 16-Membered Macrolide Antibiotics. <i>Journal of the American Chemical Society</i> , 2020, 142, 17981-17988.	13.7	19
11	Synthesis and Evaluation of Sterically Demanding Ruthenium Dithiolate Catalysts for Stereoretentive Olefin Metathesis. <i>Organometallics</i> , 2017, 36, 3940-3953.	2.3	14
12	Metathesis and Decomposition of Fischer Carbenes of Cyclometalated $\mu^2$ -Selective Ruthenium Metathesis Catalysts. <i>Organometallics</i> , 2018, 37, 2212-2216.	2.3	12
13	Mechanism of Permanganate-Promoted Dihydroxylation of Complex Diketopiperazines: Critical Roles of Counter-cation and Ion-Pairing. <i>Journal of the American Chemical Society</i> , 2018, 140, 13375-13386.	13.7	11
14	Bioactivation of $\mu^2$ -Unsaturated Carboxylic Acids Through Acyl Glucuronidation. <i>Drug Metabolism and Disposition</i> , 2020, 48, 819-829.	3.3	5
15	Novel Homodimer Metabolites of GDC-0994 via Cytochrome P450-Catalyzed Radical Coupling. <i>Drug Metabolism and Disposition</i> , 2020, 48, 521-527.	3.3	5