

# Jiyong Park

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,683  
citations

471509

17  
h-index

501196

28  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic View of a Toxic Amyloid Small Oligomer. <i>Science</i> , 2012, 335, 1228-1231.	12.6	518
2	Out-of-register $\beta^2$ -sheets suggest a pathway to toxic amyloid aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20913-20918.	7.1	184
3	Theoretical Study of the Molecular Ordering, Paracrystallinity, And Charge Mobilities of Oligomers in Different Crystalline Phases. <i>Journal of the American Chemical Society</i> , 2015, 137, 2856-2866.	13.7	152
4	Pitfalls in Computational Modeling of Chemical Reactions and How To Avoid Them. <i>Organometallics</i> , 2018, 37, 3228-3239.	2.3	133
5	Origins of stereoselectivity in evolved ketoreductases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7065-72.	7.1	104
6	Thermodynamic Selection of Steric Zipper Patterns in the Amyloid Cross- $\beta^2$ Spine. <i>PLoS Computational Biology</i> , 2009, 5, e1000492.	3.2	66
7	Influence of water and enzyme SpnF on the dynamics and energetics of the ambimodal [6+4]/[4+2] cycloaddition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E848-E855.	7.1	57
8	The Mechanism of Rhodium-Catalyzed Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , 2020, 142, 5842-5851.	13.7	53
9	Atomistic Simulation Approach to a Continuum Description of Self-Assembled $\beta^2$ -Sheet Filaments. <i>Biophysical Journal</i> , 2006, 90, 2510-2524.	0.5	46
10	A resorcinarene for inhibition of $A\beta^2$ fibrillation. <i>Chemical Science</i> , 2017, 8, 2003-2009.	7.4	44
11	Solution-Processable, Crystalline $\pi$ -Conjugated Two-Dimensional Polymers with High Charge Carrier Mobility. <i>CheM</i> , 2020, 6, 2035-2045.	11.7	44
12	Molecular Dynamics Analysis of Binding of Kinase Inhibitors to WT EGFR and the T790M Mutant. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 2066-2078.	5.3	38
13	Dissociation of Single-Strand DNA: Single-Walled Carbon Nanotube Hybrids by Watson-Crick Base-Pairing. <i>Journal of the American Chemical Society</i> , 2010, 132, 10964-10966.	13.7	37
14	Molecular Dynamics Simulations of Selective Metabolite Transport across the Propanediol Bacterial Microcompartment Shell. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8149-8154.	2.6	35
15	Supramolecular Fullerene Tetramers Concocted with Porphyrin Boxes Enable Efficient Charge Separation and Delocalization. <i>Journal of the American Chemical Society</i> , 2020, 142, 12596-12601.	13.7	35
16	Palladium-Catalyzed Divergent Cyclopropanation by Regioselective Solvent-Driven C(sp <sup>3</sup> )-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15460-15464.	13.8	23
17	Minimalistic Principles for Designing Small Molecules with Multiple Reactivities against Pathological Factors in Dementia. <i>Journal of the American Chemical Society</i> , 2020, 142, 8183-8193.	13.7	23
18	Understanding the mechanism of direct visible-light-activated [2 + 2] cycloadditions mediated by Rh and Ir photocatalysts: combined computational and spectroscopic studies. <i>Chemical Science</i> , 2021, 12, 9673-9681.	7.4	16

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19	Asymmetric Synthesis of (âˆ™)-6â€²-Î²-Fluoro-aristeromycin via Stereoselective Electrophilic Fluorination. <i>Organic Letters</i> , 2017, 19, 5732-5735.	4.6	13
20	Dynamic Kinetic Resolution of Alkenyl Cyanohydrins Derived from Î±,Î²-Unsaturated Aldehydes: Stereoselective Synthesis of E-Tetrasubstituted Olefins. <i>Journal of the American Chemical Society</i> , 2019, 141, 11770-11774.	13.7	13
21	Conformational dynamics of androgen receptors bound to agonists and antagonists. <i>Scientific Reports</i> , 2021, 11, 15887.	3.3	11
22	Hydrocarbon Binding by Proteins: Structures of Protein Binding Sites for $C_{10}$ Linear Alkanes or Long-Chain Alkyl and Alkenyl Groups. <i>Journal of Organic Chemistry</i> , 2015, 80, 997-1005.	3.2	8
23	Assembly of Complex Macrocycles by Incrementally Amalgamating Unprotected Peptides with a Designed Four-Armed Insert. <i>Journal of Organic Chemistry</i> , 2018, 83, 3090-3108.	3.2	8
24	Ancillary ligand effect with methyl and t-butyl for deep blue and high EQE blue phosphorescent organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2021, 411, 128437.	12.7	6
25	Visible-Light-Induced Organophotocatalytic Difunctionalization: Open-Air Hydroxysulfurization of Aryl Alkenes with Aryl Thiols. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	6
26	Palladium-Catalyzed Divergent Cyclopropanation by Regioselective Solvent-Driven C(sp <sup>3</sup> )âˆ™H Bond Activation. <i>Angewandte Chemie</i> , 2018, 130, 15686-15690.	2.0	4
27	High-Efficiency Diphenylpyrimidine Derivatives Blue Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 356.	3.6	3
28	Rational Understanding of Substituent Effects on Multi Carbazole Thermally Activated Delayed Fluorescent Emitters. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	2
29	Unusual solvent polarity dependent excitation relaxation dynamics of a bis[ <i>p</i> -ethynylthiobenzoato]Pd-linked bis[(porphinato)zinc] complex. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 275-284.	3.4	1
30	Beta-Barrel Hypothesis: Structural Insights to Oligomeric Prion Conformation. <i>Biophysical Journal</i> , 2010, 98, 650a.	0.5	0
31	Exploring Dynamic Events of Bacterial Microcompartment Shell Pores. <i>Biophysical Journal</i> , 2014, 106, 803a.	0.5	0
32	Computational and Experimental Study of Ketoreductase Enantioselectivity. <i>Biophysical Journal</i> , 2014, 106, 674a.	0.5	0
33	The Influences of Drug-Resistant Mutations of EGFR to the Inhibitor Binding Affinity and the Drug Target Selectivity Profiles. <i>Biophysical Journal</i> , 2016, 110, 544a.	0.5	0
34	Supramolecular Structure and Stability of the GNNQQNY Î²-Sheet Bilayer Filament: A Computational Study. , 2007, , .		0