

Tehshik P Yoon

List of Publications by Year in descending order

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102
papers

19,675
citations

28190

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h-index

24179

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168
all docs

168
docs citations

168
times ranked

12106
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Photocatalyst Structures in Asymmetric Photochemical Synthesis. <i>Chemical Reviews</i> , 2022, 122, 1654-1716.	23.0	179
2	Decarboxylative cross-nucleophile coupling via ligand-to-metal charge transfer photoexcitation of Cu(ii) carboxylates. <i>Nature Chemistry</i> , 2022, 14, 94-99.	6.6	101
3	Cooperative Stereoinduction in Asymmetric Photocatalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 4206-4213.	6.6	24
4	Olefin-Supported Cationic Copper Catalysts for Photochemical Synthesis of Structurally Complex Cyclobutanes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3989-3993.	7.2	14
5	Olefin-Supported Cationic Copper Catalysts for Photochemical Synthesis of Structurally Complex Cyclobutanes. <i>Angewandte Chemie</i> , 2021, 133, 4035-4039.	1.6	2
6	Oxidase reactions in photoredox catalysis. <i>Chemical Society Reviews</i> , 2021, 50, 2954-2967.	18.7	80
7	Construction of Complex Cyclobutane Building Blocks by Photosensitized [2 + 2] Cycloaddition of Vinyl Boronate Esters. <i>Organic Letters</i> , 2021, 23, 3496-3501.	2.4	29
8	Copper-Mediated Radical-Polar Crossover Enables Photocatalytic Oxidative Functionalization of Sterically Bulky Alkenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 6065-6070.	6.6	37
9	Enantioselective Synthesis of Î³-Oxycarbonyl Motifs by Conjugate Addition of Photogenerated Î±-Alkoxy Radicals. <i>Organic Letters</i> , 2021, 23, 5703-5708.	2.4	9
10	Chiral Brønsted acid-controlled intermolecular asymmetric [2+2] photocycloadditions. <i>Nature Communications</i> , 2021, 12, 5735.	5.8	32
11	Photons at Play: Photocatalysis in Sustainable Chemistry. A Joint Virtual Special Issue by ACS Catalysis and ACS Sustainable Chemistry & Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13125-13127.	3.2	1
12	Site-Selective Alkoxylation of Benzylic C-H Bonds by Photoredox Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 203-208.	1.6	15
13	Site-Selective Alkoxylation of Benzylic C-H Bonds by Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 197-202.	7.2	97
14	Brønsted acid catalysis of photosensitized cycloadditions. <i>Chemical Science</i> , 2020, 11, 856-861.	3.7	45
15	Organic Chemistry: A Call to Action for Diversity and Inclusion. <i>Journal of Organic Chemistry</i> , 2020, 85, 10287-10292.	1.7	18
16	Organic Chemistry: A Call to Action for Diversity and Inclusion. <i>Organic Letters</i> , 2020, 22, 6223-6228.	2.4	8
17	Divergent Photocatalytic Reactions of Î±-Ketoesters under Triplet Sensitization and Photoredox Conditions. <i>Organic Letters</i> , 2020, 22, 6520-6525.	2.4	48
18	Organic Chemistry: A Call to Action for Diversity and Inclusion. <i>ACS Central Science</i> , 2020, 6, 1241-1247.	5.3	1

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19	Organic Chemistry: A Call to Action for Diversity and Inclusion. <i>Organometallics</i> , 2020, 39, 2931-2936.	1.1	3
20	LED-NMR Monitoring of an Enantioselective Catalytic [2+2] Photocycloaddition. <i>ChemPhotoChem</i> , 2020, 4, 685-690.	1.5	21
21	Excellence versus Diversity? Not an Either/Or Choice. <i>ACS Catalysis</i> , 2020, 10, 7310-7311.	5.5	4
22	Enantioselective Intermolecular Excited-State Photoreactions Using a Chiral Ir Triplet Sensitizer: Separating Association from Energy Transfer in Asymmetric Photocatalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 13625-13634.	6.6	111
23	Stereocontrolled Photochemical Synthesis. <i>ChemPhotoChem</i> , 2019, 3, 1201-1202.	1.5	5
24	Enantioselective [2+2] Cycloadditions of Cinnamate Esters: Generalizing Lewis Acid Catalysis of Triplet Energy Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 9543-9547.	6.6	129
25	Discovery and Elucidation of Counteranion Dependence in Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 6385-6391.	6.6	88
26	A Redox Auxiliary Strategy for Pyrrolidine Synthesis via Photocatalytic [3+2] Cycloaddition. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 978-985.	1.3	16
27	16 Photocatalytic Cycloadditions. , 2019, , .		1
28	Tandem copper and photoredox catalysis in photocatalytic alkene difunctionalization reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 351-356.	1.3	13
29	A General Protocol for Radical Anion [3+2] Cycloaddition Enabled by Tandem Lewis Acid Photoredox Catalysis. <i>Synthesis</i> , 2018, 50, 539-547.	1.2	27
30	Photocatalytic Oxyamination of Alkenes: Copper(II) Salts as Terminal Oxidants in Photoredox Catalysis. <i>Organic Letters</i> , 2018, 20, 7345-7350.	2.4	53
31	Asymmetric catalysis of triplet-state photoreactions. <i>Photochemistry</i> , 2018, , 432-448.	0.2	20
32	Titanium dioxide visible light photocatalysis: surface association enables photocatalysis with visible light irradiation. <i>Chemical Communications</i> , 2017, 53, 4335-4338.	2.2	88
33	Radical Cation Cycloadditions Using Cleavable Redox Auxiliaries. <i>Organic Letters</i> , 2017, 19, 368-371.	2.4	44
34	Enantioselective Excited-State Photoreactions Controlled by a Chiral Hydrogen-Bonding Iridium Sensitizer. <i>Journal of the American Chemical Society</i> , 2017, 139, 17186-17192.	6.6	153
35	Enantioselective Crossed Photocycloadditions of Styrenic Olefins by Lewis Acid Catalyzed Triplet Sensitization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11891-11895.	7.2	124
36	Enantioselective Crossed Photocycloadditions of Styrenic Olefins by Lewis Acid Catalyzed Triplet Sensitization. <i>Angewandte Chemie</i> , 2017, 129, 12053-12057.	1.6	43

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37	Photocatalytic Indole Diels-Alder Cycloadditions Mediated by Heterogeneous Platinum-Modified Titanium Dioxide. <i>ACS Catalysis</i> , 2017, 7, 6440-6444.	5.5	50
38	Strategies in asymmetric catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 63-64.	1.3	5
39	A Chiral Metal Photocatalyst Architecture for Highly Enantioselective Photoreactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2304-2306.	7.2	44
40	Hoch enantioselektive Photoreaktionen durch Photokatalysatoren mit chiralen Metallzentren. <i>Angewandte Chemie</i> , 2016, 128, 2348-2350.	1.6	4
41	Enantioselective photochemistry through Lewis acid-catalyzed triplet energy transfer. <i>Science</i> , 2016, 354, 1391-1395.	6.0	311
42	Dual Catalysis Strategies in Photochemical Synthesis. <i>Chemical Reviews</i> , 2016, 116, 10035-10074.	23.0	2,059
43	Editorial for the Special Issue on Photocatalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 6895-6897.	1.7	21
44	Photochemical Stereocontrol Using Tandem Photoredox-Chiral Lewis Acid Catalysis. <i>Accounts of Chemical Research</i> , 2016, 49, 2307-2315.	7.6	271
45	Enabling Chemical Synthesis with Visible Light. <i>Accounts of Chemical Research</i> , 2016, 49, 2059-2060.	7.6	45
46	Spin-Selective Generation of Triplet Nitrenes: Olefin Aziridination through Visible Light Photosensitization of Azidoformates. <i>Angewandte Chemie</i> , 2016, 128, 2279-2282.	1.6	30
47	Spin-Selective Generation of Triplet Nitrenes: Olefin Aziridination through Visible Light Photosensitization of Azidoformates. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2239-2242.	7.2	106
48	Enantioselective Photocatalytic [3 + 2] Cycloadditions of Aryl Cyclopropyl Ketones. <i>Journal of the American Chemical Society</i> , 2016, 138, 4722-4725.	6.6	178
49	An improved procedure for the preparation of Ru(bpz) ₃ (PF ₆) ₂ via a high-yielding synthesis of 2,2'-bipyrazine. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 61-65.	1.3	22
50	Enantioselective Conjugate Additions of $\dot{\text{I}}\pm$ -Amino Radicals via Cooperative Photoredox and Lewis Acid Catalysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 2452-2455.	6.6	259
51	Characterizing chain processes in visible light photoredox catalysis. <i>Chemical Science</i> , 2015, 6, 5426-5434.	3.7	791
52	Visible Light Sensitization of Vinyl Azides by Transition-Metal Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 793-797.	7.2	201
53	Solar Synthesis: Prospects in Visible Light Photocatalysis. <i>Science</i> , 2014, 343, 1239-1276.	6.0	2,043
54	A Dual-Catalysis Approach to Enantioselective [2 + 2] Photocycloadditions Using Visible Light. <i>Science</i> , 2014, 344, 392-396.	6.0	495

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55	Advances in the Chemistry of Oxaziridines. <i>Chemical Reviews</i> , 2014, 114, 8016-8036.	23.0	133
56	Redox Mediators in Visible Light Photocatalysis: Photocatalytic Radical Thiol-ene Additions. <i>Journal of Organic Chemistry</i> , 2014, 79, 1427-1436.	1.7	189
57	Shape control in reactions with light. <i>Nature</i> , 2014, 515, 45-46.	13.7	33
58	Opportunities in Photocatalytic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2739-2739.	2.1	22
59	Iron-catalyzed kinetic resolution of N-sulfonyl oxaziridines. <i>Chemical Science</i> , 2014, 5, 3524.	3.7	23
60	Photocatalytic Synthesis of Dihydrobenzofurans by Oxidative [3+2] Cycloaddition of Phenols. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11056-11059.	7.2	107
61	[2+2] Cycloaddition of 1,3-dienes by Visible Light Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8991-8994.	7.2	146
62	[3+2] Photooxygenation of aryl cyclopropanes via visible light photocatalysis. <i>Tetrahedron</i> , 2014, 70, 4270-4278.	1.0	46
63	Transition Metal Photoredox Catalysis of Radical Thiol-ene Reactions. <i>Journal of Organic Chemistry</i> , 2013, 78, 2046-2050.	1.7	217
64	Visible Light Photocatalysis: The Development of Photocatalytic Radical Ion Cycloadditions. <i>ACS Catalysis</i> , 2013, 3, 895-902.	5.5	258
65	Bronsted Acid Cocatalysts in Photocatalytic Radical Addition of α -Amino C-H Bonds across Michael Acceptors. <i>Journal of Organic Chemistry</i> , 2013, 78, 4107-4114.	1.7	173
66	Reductive Cyclizations of Nitroarenes to Hydroxamic Acids by Visible Light Photoredox Catalysis. <i>Synthesis</i> , 2013, 45, 2699-2705.	1.2	13
67	Photolysis, OH reactivity and ozone reactivity of a proxy for isoprene-derived hydroperoxyenals (HPALDs). <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7276.	1.3	86
68	Photocatalytic [2 + 2] Cycloadditions of Enones with Cleavable Redox Auxiliaries. <i>Organic Letters</i> , 2012, 14, 1110-1113.	2.4	115
69	Endoperoxide Synthesis by Photocatalytic Aerobic [2 + 2 + 2] Cycloadditions. <i>Organic Letters</i> , 2012, 14, 1640-1643.	2.4	98
70	Visible Light Photocatalysis of [2+2] Styrene Cycloadditions by Energy Transfer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10329-10332.	7.2	337
71	Crossed intermolecular [2 + 2] cycloaddition of styrenes by visible light photocatalysis. <i>Chemical Science</i> , 2012, 3, 2807.	3.7	169
72	Iron Catalyzed Asymmetric Oxyamination of Olefins. <i>Journal of the American Chemical Society</i> , 2012, 134, 12370-12373.	6.6	161

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73	Accessing the Synthetic Chemistry of Radical Ions. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3359-3372.	1.2	189
74	Visible light photocatalysis of intramolecular radical cation Diels-Alder cycloadditions. <i>Tetrahedron Letters</i> , 2012, 53, 3073-3076.	0.7	56
75	Hydroxycarboxylic Acid-Derived Organosulfates: Synthesis, Stability, and Quantification in Ambient Aerosol. <i>Environmental Science & Technology</i> , 2011, 45, 6468-6474.	4.6	100
76	Reply to Comment on "Hydroxycarboxylic Acid-Derived Organosulfates: Synthesis, Stability and Quantification in Ambient Aerosol". <i>Environmental Science & Technology</i> , 2011, 45, 9111-9111.	4.6	1
77	Photocatalytic reductive cyclizations of enones: Divergent reactivity of photogenerated radical and radical anion intermediates. <i>Chemical Science</i> , 2011, 2, 2115.	3.7	167
78	[3+2] Cycloadditions of Aryl Cyclopropyl Ketones by Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2011, 133, 1162-1164.	6.6	286
79	Radical Cation Diels-Alder Cycloadditions by Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2011, 133, 19350-19353.	6.6	341
80	Visible light photocatalysis of radical anion hetero-Diels-Alder cycloadditions. <i>Tetrahedron</i> , 2011, 67, 4442-4448.	1.0	114
81	Carbonyl Imines from Oxaziridines: Generation and Cycloaddition of N ₂ O ₂ C Dipoles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 930-934.	7.2	42
82	Oxaziridine-Mediated Oxyamination of Indoles: An Approach to β -Aminoindoles and Enantiomerically Enriched β -Aminopyrroloindolines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9153-9157.	7.2	114
83	N-Nosyl oxaziridines as terminal oxidants in copper(II)-catalyzed olefin oxyaminations. <i>Tetrahedron Letters</i> , 2010, 51, 5223-5225.	0.7	19
84	Visible light photocatalysis as a greener approach to photochemical synthesis. <i>Nature Chemistry</i> , 2010, 2, 527-532.	6.6	2,244
85	[2+2] Cycloadditions by Oxidative Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 8572-8574.	6.6	380
86	Iron-Catalyzed Aminohydroxylation of Olefins. <i>Journal of the American Chemical Society</i> , 2010, 132, 4570-4571.	6.6	163
87	Oxaziridine-mediated enantioselective aminohydroxylation of styrenes catalyzed by copper(II) bis(oxazoline) complexes. <i>Tetrahedron</i> , 2009, 65, 5118-5124.	1.0	87
88	Response to "Can Reaction Mechanisms Be Proven?". <i>Journal of Chemical Education</i> , 2009, 86, 556.	1.1	6
89	Oxaziridine-Mediated Intramolecular Amination of sp ³ -Hybridized C-H Bonds. <i>Journal of the American Chemical Society</i> , 2009, 131, 12560-12561.	6.6	60
90	Crossed Intermolecular [2+2] Cycloadditions of Acyclic Enones via Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2009, 131, 14604-14605.	6.6	412

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91	Anionic Halocuprate(II) Complexes as Catalysts for the Oxaziridine-Mediated Aminohydroxylation of Olefins. <i>Journal of Organic Chemistry</i> , 2009, 74, 5545-5552.	1.7	80
92	Cycloadditions of <i>N</i> -Sulfonyl Nitrones Generated by Lewis Acid Catalyzed Rearrangement of Oxaziridines. <i>Journal of the American Chemical Society</i> , 2008, 130, 2920-2921.	6.6	61
93	Efficient Visible Light Photocatalysis of [2+2] Enone Cycloadditions. <i>Journal of the American Chemical Society</i> , 2008, 130, 12886-12887.	6.6	946
94	Activation of <i>N</i> -Sulfonyl Oxaziridines Using Copper(II) Catalysts: Aminohydroxylations of Styrenes and 1,3-Dienes. <i>Journal of the American Chemical Society</i> , 2008, 130, 6610-6615.	6.6	138
95	Copper(II)-Catalyzed Aminohydroxylation of Olefins. <i>Journal of the American Chemical Society</i> , 2007, 129, 1866-1867.	6.6	164
96	Highly Enantioselective Thiourea-Catalyzed Nitro-Mannich Reactions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 466-468.	7.2	293
97	Highly Enantioselective Thiourea-Catalyzed Nitro-Mannich Reactions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7327-7327.	7.2	3
98	Highly Enantioselective Thiourea-Catalyzed Nitro-Mannich Reactions.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
99	Privileged Chiral Catalysts. <i>Science</i> , 2003, 299, 1691-1693.	6.0	1,262
100	Enantioselective Claisen Rearrangements:Â Development of a First Generation Asymmetric Acyl-Claisen Reaction. <i>Journal of the American Chemical Society</i> , 2001, 123, 2911-2912.	6.6	98
101	Development of a New Lewis Acid-Catalyzed Claisen Rearrangement. <i>Journal of the American Chemical Society</i> , 1999, 121, 9726-9727.	6.6	85
102	Formation of (<i>Z</i>) dialkylboron enolates from enolsilanes: Stereoconvergent transmetallation and diastereoselective aldol reactions. <i>Tetrahedron Letters</i> , 1995, 36, 9245-9248.	0.7	32