

# Kirsten Zeitler

## List of Publications by Year in descending order

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61  
papers

6,145  
citations

109321

35  
h-index

114465

63  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoredox Catalysis with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9785-9789.	13.8	906
2	Metal-Free, Cooperative Asymmetric Organophotoredox Catalysis with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 951-954.	13.8	643
3	A Toolbox Approach To Construct Broadly Applicable Metal-Free Catalysts for Photoredox Chemistry: Deliberate Tuning of Redox Potentials and Importance of Halogens in Donor-Acceptor Cyanoarenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 15353-15365.	13.7	435
4	Extending Mechanistic Routes in Heterazolium Catalysis-Promising Concepts for Versatile Synthetic Methods. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7506-7510.	13.8	389
5	Stereoselective Synthesis of (E)- $\beta$ , $\gamma$ -Unsaturated Esters via Carbene-Catalyzed Redox Esterification. <i>Organic Letters</i> , 2006, 8, 637-640.	4.6	268
6	Visible-Light-Promoted Stereoselective Alkylation by Combining Heterogeneous Photocatalysis with Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4062-4066.	13.8	252
7	A Novel One-Pot Pyrrole Synthesis via a Coupling-Isomerization-Stetter-Paal-Knorr Sequence. <i>Organic Letters</i> , 2001, 3, 3297-3300.	4.6	196
8	Application of Microflow Conditions to Visible Light Photoredox Catalysis. <i>Organic Letters</i> , 2012, 14, 2658-2661.	4.6	167
9	The Elusive Enamine Intermediate in Proline-Catalyzed Aldol Reactions: NMR Detection, Formation Pathway, and Stabilization Trends. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4997-5003.	13.8	155
10	Highly Enantioselective Benzoin Condensation Reactions Involving a Bifunctional Protic Pentafluorophenyl-Substituted Triazolium Precatalyst. <i>Journal of Organic Chemistry</i> , 2009, 74, 9214-9217.	3.2	146
11	No photocatalyst required - versatile, visible light mediated transformations with polyhalomethanes. <i>Chemical Communications</i> , 2015, 51, 8280-8283.	4.1	110
12	Highly Chemoselective Direct Crossed Aliphatic-Aromatic Acyloin Condensations with Triazolium-Derived Carbene Catalysts. <i>Journal of Organic Chemistry</i> , 2011, 76, 347-357.	3.2	106
13	Formation and Stability of Prolinol and Prolinol Ether Enamines by NMR: Delicate Selectivity and Reactivity Balances and Parasitic Equilibria. <i>Journal of the American Chemical Society</i> , 2011, 133, 7065-7074.	13.7	105
14	Synthesis of Functionalized Ethynylphenothiazine Fluorophores. <i>Organic Letters</i> , 2000, 2, 3723-3726.	4.6	95
15	NHC-catalysed, chemoselective crossed-acyloin reactions. <i>Chemical Science</i> , 2012, 3, 735-740.	7.4	94
16	Distinct conformational preferences of prolinol and prolinol ether enamines in solution revealed by NMR. <i>Chemical Science</i> , 2011, 2, 1793.	7.4	91
17	Efficient Catalytic, Oxidative Lactonization for the Synthesis of Benzodioxepinones Using Triazolium-Derived Carbene Catalysts. <i>Organic Letters</i> , 2010, 12, 4552-4555.	4.6	84
18	Efficient, Enantioselective Iminium Catalysis with an Immobilized, Recyclable Diarylprolinol Silyl Ether Catalyst. <i>Organic Letters</i> , 2010, 12, 1480-1483.	4.6	83

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19	Aerobic oxidation of NHC-catalysed aldehyde esterifications with alcohols: benzoin, not the Breslow intermediate, undergoes oxidation. <i>Chemical Communications</i> , 2013, 49, 6513.	4.1	77
20	An Efficient Carbene-Catalyzed Access to 3,4-Dihydrocoumarins. <i>Journal of Organic Chemistry</i> , 2009, 74, 1759-1762.	3.2	74
21	First synthesis and electronic properties of (hetero)aryl bridged and directly linked redox active phenothiazinyl dyads and triads. <i>Tetrahedron Letters</i> , 2001, 42, 8619-8624.	1.4	72
22	NHC-catalysed aerobic aldehyde-esterifications with alcohols: no additives or cocatalysts required. <i>Chemical Communications</i> , 2013, 49, 6510.	4.1	64
23	A Cooperative Hydrogen-Bond-Promoted Organophotoredox Catalysis Strategy for Highly Diastereoselective, Reductive Enone Cyclization. <i>Chemistry - A European Journal</i> , 2013, 19, 6950-6955.	3.3	62
24	An Efficient and Versatile Approach for the Immobilization of Carbene Precursors <i>via</i> Copper-Catalyzed [3+2]-Cycloaddition and their Catalytic Application. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1851-1857.	4.3	60
25	Stereoselective synthesis of bulky 1,2-diols with alcohol dehydrogenases. <i>Catalysis Science and Technology</i> , 2012, 2, 1580.	4.1	56
26	NMR Investigations on the Proline-Catalyzed Aldehyde Self-Condensation: Mannich Mechanism, Dienamine Detection, and Erosion of the Aldol Addition Selectivity. <i>Journal of Organic Chemistry</i> , 2011, 76, 3005-3015.	3.2	55
27	A Novel 1,5-Benzoheteroazepine Synthesis via a One-Pot Coupling-Isomerization-Cyclocondensation Sequence. <i>Organic Letters</i> , 2000, 2, 4181-4184.	4.6	51
28	Visible Light Mediated Reductive Cleavage of C=O Bonds Accessing $\alpha$ -Substituted Aryl Ketones. <i>Organic Letters</i> , 2015, 17, 4818-4821.	4.6	47
29	On-chip integration of organic synthesis and HPLC/MS analysis for monitoring stereoselective transformations at the micro-scale. <i>Lab on A Chip</i> , 2017, 17, 76-81.	6.0	45
30	A droplet-chip/mass spectrometry approach to study organic synthesis at nanoliter scale. <i>Lab on A Chip</i> , 2017, 17, 1996-2002.	6.0	41
31	A synergistic LUMO lowering strategy using Lewis acid catalysis in water to enable photoredox catalytic, functionalizing C-C cross-coupling of styrenes. <i>Chemical Science</i> , 2018, 9, 7096-7103.	7.4	40
32	Versatile Visible-Light-Driven Synthesis of Asymmetrical Phosphines and Phosphonium Salts. <i>Chemistry - A European Journal</i> , 2020, 26, 16374-16382.	3.3	38
33	A novel reaction-based, chromogenic and $\alpha$ -turn-on-fluorescent chemodosimeter for fluoride detection. <i>New Journal of Chemistry</i> , 2011, 35, 994.	2.8	35
34	Stabilization of Proline Enamine Carboxylates by Amine Bases. <i>Chemistry - A European Journal</i> , 2012, 18, 3362-3370.	3.3	33
35	Carboranes as Aryl Mimetics in Catalysis: A Highly Active Zwitterionic NHC-Precatalyst. <i>Chemistry - A European Journal</i> , 2017, 23, 7932-7937.	3.3	30
36	Photocatalytic Arylation of $P_4$ and $PH_3$ : Reaction Development Through Mechanistic Insight. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24650-24658.	13.8	27

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37	Asymmetric Organocatalysis. <i>ChemMedChem</i> , 2007, 2, 1261-1264.	3.2	22
38	A versatile combined N-heterocyclic carbene and base-catalyzed multiple cascade approach for the synthesis of functionalized benzofuran-3-(2H)-ones. <i>Tetrahedron Letters</i> , 2011, 52, 6952-6956.	1.4	22
39	Nitroalkenes as Latent 1,2-Biselectrophiles – A Multicatalytic Approach for the Synthesis of 1,4-Diketones and Their Application in a Four-Step One-Pot Reaction to Polysubstituted Pyrroles. <i>Journal of Organic Chemistry</i> , 2017, 82, 7796-7805.	3.2	22
40	Stereocontrolled Backbone Connection of Peptides by C C-Double Bonds. <i>Tetrahedron</i> , 2000, 56, 4187-4195.	1.9	21
41	What is your actual catalyst? TMS cleavage rates of diarylprolinol silyl ethers studied by in situ NMR. <i>RSC Advances</i> , 2012, 2, 5941.	3.6	20
42	Desyl and Phenacyl as Versatile, Photocatalytically Cleavable Protecting Groups: A Classic Approach in a Different (Visible) Light. <i>ACS Catalysis</i> , 2017, 7, 6821-6826.	11.2	17
43	Unlocking the Potential of Phenacyl Protecting Groups: CO <sub>2</sub> -Based Formation and Photocatalytic Release of Caged Amines. <i>Journal of Organic Chemistry</i> , 2018, 83, 3738-3745.	3.2	17
44	More than just a game. <i>Nature Chemistry</i> , 2015, 7, 950-951.	13.6	16
45	Nonaqueous Micro Free-Flow Electrophoresis for Continuous Separation of Reaction Mixtures in Organic Media. <i>Analytical Chemistry</i> , 2019, 91, 6689-6694.	6.5	13
46	An <i>N</i> -Heterocyclic Carbene-Mediated, Enantioselective and Multicatalytic Strategy to Access Dihydropyranones in a Sequential Three-Component One-Pot Reaction. <i>Organic Letters</i> , 2017, 19, 6076-6079.	4.6	12
47	A Short Diastereoselective Synthesis of Orthogonally Protected Diaminosuccinic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2004, 69, 6134-6136.	3.2	9
48	Photocatalytic Arylation of P <sub>4</sub> and PH <sub>3</sub> : Reaction Development Through Mechanistic Insight. <i>Angewandte Chemie</i> , 2021, 133, 24855-24863.	2.0	8
49	Chemoselective Crossed Acyloin Condensations: Catalyst and Substrate Control. <i>Synthesis</i> , 2011, 2011, 190-198.	2.3	7
50	Unprecedented Mechanism of an Organocatalytic Route to Conjugated Enynes with a Junction to Cyclic Nitronates. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 328-337.	2.4	7
51	NHC-Stabilized Radicals in the Formal Hydroacylation Reaction of Alkynes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 557-561.	2.4	7
52	Impact of Chlorine on the Internal Transition Rates and Excited States of the Thermally Delayed Activated Fluorescence Molecule 3CzCLIPN. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15007-15014.	3.1	6
53	On-chip mass spectrometric analysis in non-polar solvents by liquid beam infrared matrix-assisted laser dispersion/ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1561-1570.	3.7	5
54	In situ monitoring of photocatalyzed isomerization reactions on a microchip flow reactor by IR-MALDI ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7899-7911.	3.7	4

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55	11. Synergistic visible light photoredox catalysis. , 2020, , 245-284.		4
56	Synergistic visible light photoredox catalysis. Physical Sciences Reviews, 2019, 5, .	0.8	3
57	A Catalytic Strategy for $\alpha,\beta$ -Functionalization: NHC-Mediated Fragmentation/Umpolung Cascades to Access Hydroxytrifluoromethyl Ynones and Allenones. ChemCatChem, 2019, 11, 3750-3755.	3.7	2
58	3 Practical Aspects of Photocatalysis. , 2019, , .		1
59	Total Synthesis of the Slime Mold Alkaloids Arcyroxocin A and B. Synthesis, 2011, 2011, 330-336.	2.3	0
60	Carboranes as Aryl Mimetics in Catalysis: A Highly Active Zwitterionic NHC-Precatalyst. Chemistry - A European Journal, 2017, 23, 7834-7834.	3.3	0
61	2.4 Organocatalyst/Photocatalyst Dual Catalysis. , 2020, , .		0