

# Frank Glorius

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

506  
papers

54,377  
citations

120  
h-index

217  
g-index

692  
ext. papers

60,879  
ext. citations

10.6  
avg, IF

8.63  
L-index

#	Paper	IF	Citations
506	Radical Carbonyl Umpolung Arylation via Dual Nickel Catalysis.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	8
505	Allylic C(sp <sup>3</sup> ) $\alpha$ arylation of olefins via ternary catalysis <b>2022</b> , 1, 59-68		3
504	Reversible Self-Assembly of N-Heterocyclic Carbene on Metal Surfaces.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	1
503	Unveiling a key catalytic pocket for the ruthenium NHC-catalysed asymmetric heteroarene hydrogenation.. <i>Chemical Science</i> , <b>2022</b> , 13, 985-995	9.4	0
502	Intermolecular [2+2]-photocycloaddition enabled by triplet energy transfer.. <i>Nature</i> , <b>2022</b> ,	50.4	4
501	A negative-solvatochromic fluorescent probe for visualizing intracellular distributions of fatty acid metabolites.. <i>Nature Communications</i> , <b>2022</b> , 13, 2533	17.4	3
500	Facile access to fused 2D/3D rings via intermolecular cascade dearomative [2 + 2] cycloaddition/rearrangement reactions of quinolines with alkenes. <i>Nature Catalysis</i> , <b>2022</b> , 5, 405-413	36.5	2
499	Photoredox-Catalyzed Defluorinative Functionalizations of Polyfluorinated Aliphatic Amides and Esters. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	5
498	A base-controlled switch of SO <sub>2</sub> reincorporation in photocatalyzed radical difunctionalization of alkenes. <i>Chem</i> , <b>2021</b> ,	16.2	6
497	Dynamic kinetic sensitization of $\beta$ -dicarbonyl compounds - Access to medium-sized rings via a De Mayo-type ring expansion. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	5
496	Catalytic one-carbon homologation of $\beta$ -amino acids to $\beta$ -amino aldehydes. <i>Chem Catalysis</i> , <b>2021</b> ,		6
495	Bipolar Imidazolium-Based Lipid Analogues for Artificial Archaeosomes. <i>Langmuir</i> , <b>2021</b> , 37, 11996-12006		0
494	Photoswitchable Nitrogen Superbases: Using Light for Reversible Carbon Dioxide Capture. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	1
493	Silver-Catalysed Hydroarylation of Highly Substituted Styrenes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8537-8541	16.4	6
492	Photochemical intermolecular dearomative cycloaddition of bicyclic azaarenes with alkenes. <i>Science</i> , <b>2021</b> , 371, 1338-1345	33.3	29
491	Silber-katalysierte Hydroarylierung von hochsubstituierten Styrolen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8618-8623	3.6	
490	Bifunctional reagents in organic synthesis. <i>Nature Reviews Chemistry</i> , <b>2021</b> , 5, 301-321	34.6	28

489	Polarity Matters: Dielectric Relaxation in All-Multifluorinated Cycloalkanes. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 3700-3709	3.4	1
488	Visible-Light-Induced Cycloaddition of $\beta$ Ketoacylsilanes with Imines: Facile Access to $\beta$ Lactams. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13671-13676	16.4	7
487	Substituted Dihydropyridine Synthesis by Dearomatization of Pyridines. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13793-13797	16.4	12
486	Enantio- and Diastereoselective, Complete Hydrogenation of Benzofurans by Cascade Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13677-13681	16.4	10
485	Durch sichtbares Licht vermittelte Cycloadditionen von $\beta$ Ketoacylsilanen mit Iminen: Einfache Synthese von $\beta$ Lactamen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13785-13790	3.6	1
484	Use of Strain-Release for the Diastereoselective Construction of Quaternary Carbon Centers. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7648-7654	16.4	4
483	Synthese substituierter Dihydropyridine durch Dearomatisierung von Pyridinen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13912-13916	3.6	1
482	Enantio- und diastereoselektive, vollständige Hydrierung von Benzofuranen mittels Kaskadenkatalyse. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13791-13796	3.6	4
481	Controlled growth of ordered monolayers of N-heterocyclic carbenes on silicon. <i>Nature Chemistry</i> , <b>2021</b> , 13, 828-835	17.6	12
480	CHIMs are versatile cholesterol analogs mimicking and visualizing cholesterol behavior in lipid bilayers and cells. <i>Communications Biology</i> , <b>2021</b> , 4, 720	6.7	5
479	Rhodium-katalysierte dealkenylierende Arylierung von Alkenen mit Arylboronverbindungen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 15780-15785	3.6	0
478	Rhodium-Catalyzed Dealkenylative Arylation of Alkenes with Arylboronic Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15650-15655	16.4	7
477	Radical Carbonyl Propargylation by Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2464-2471	16.4	20
476	Radical Carbonyl Propargylation by Dual Catalysis. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2494-2501	3.6	2
475	Twofold C-H Activation Enables Synthesis of a Diazacoronene-Type Fluorophore with Near Infrared Emission Through Isosteric Replacement. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2753-2759	4.8	4
474	Metal-free photosensitized oxyimination of unactivated alkenes with bifunctional oxime carbonates. <i>Nature Catalysis</i> , <b>2021</b> , 4, 54-61	36.5	45
473	Photoredox-enabled 1,2-dialkylation of $\beta$ substituted acrylates Ireland-Claisen rearrangement. <i>Chemical Science</i> , <b>2021</b> , 12, 2816-2822	9.4	6
472	Regioselective and Redox-Neutral Cp*Ir-Catalyzed Allylic C-H Alkynylation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5688-5692	16.4	7

471	C-H Activation: Toward Sustainability and Applications. <i>ACS Central Science</i> , <b>2021</b> , 7, 245-261	16.8	98
470	Interrupted Pyridine Hydrogenation: Asymmetric Synthesis of $\beta$ -Lactams. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6425-6429	16.4	18
469	Case study of N-carboxyanhydrides in silicon-based lithium ion cells as a guideline for systematic electrolyte additive research. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100327	6.1	7
468	Unterbrochene Pyridin-Hydrierung: asymmetrische Synthese von $\beta$ -Lactamen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6496-6500	3.6	5
467	Bipyridinium and Phenanthroline Dications for Metal-Free Hydrodefluorination: Distinctive Carbon-Based Reactivity. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11730-11737	4.8	2
466	AIE-Active Difluoroboron Complexes with N,O-Bidentate Ligands: Rapid Construction by Copper-Catalyzed C-H Activation. <i>Advanced Science</i> , <b>2021</b> , 8, e2101814	13.6	5
465	Influence of N-Substituents on the Adsorption Geometry of OH-Functionalized Chiral N-Heterocyclic Carbenes. <i>Langmuir</i> , <b>2021</b> , 37, 10029-10035	4	5
464	Ru-NHC-katalysierte asymmetrische Hydrierung von 2-Chinolonen zu chiralen 3,4-Dihydro-2-chinolonen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23377	3.6	
463	Ru-NHC-Catalyzed Asymmetric Hydrogenation of 2-Quinolones to Chiral 3,4-Dihydro-2-Quinolones. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23193-23196	16.4	2
462	Enantioselective hydrogenation of annulated arenes: controlled formation of multiple stereocenters in adjacent rings. <i>Chemical Science</i> , <b>2021</b> , 12, 5611-5615	9.4	8
461	Regioselektive und redox-neutrale Cp*Ir(III)-katalysierte allylische C-H-Alkinylierung. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5752-5756	3.6	0
460	Mechanistic Understanding of the Heterogeneous, Rhodium-Cyclic (Alkyl)(Amino)Carbene-Catalyzed (Fluoro-)Arene Hydrogenation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 6309-6317	13.1	23
459	Three-Component, Interrupted Radical Heck/Allylic Substitution Cascade Involving Unactivated Alkyl Bromides. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10173-10183	16.4	58
458	A Unidirectional Surface-Anchored N-Heterocyclic Carbene Rotor. <i>Nano Letters</i> , <b>2020</b> , 20, 5922-5928	11.5	14
457	Catalytic Transfer Hydrogenation of Arenes and Heteroarenes. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 14090-14094	4.8	14
456	Design of Ru(II)-NHC-Diamine Precatalysts Directed by Ligand Cooperation: Applications and Mechanistic Investigations for Asymmetric Hydrogenation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7100-7107	16.4	24
455	Catalytic radical generation of $\beta$ -allylpalladium complexes. <i>Nature Catalysis</i> , <b>2020</b> , 3, 393-400	36.5	60
454	Nickel-Catalyzed Enantioselective Carbamoyl Iodination: A Surrogate for Carbamoyl Iodides. <i>ACS Catalysis</i> , <b>2020</b> , 10, 4780-4785	13.1	35

453	Site-Selective Thiolation of (Multi)halogenated Heteroarenes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6913-6919	16.4	15
452	C-H-Aktivierungs-basierte einstufige kupferkatalysierte Synthese von N,O-bidentaten organischen Difluorborkomplexen. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21725-21729	3.6	3
451	C-H Activation Based Copper-Catalyzed One-Shot Synthesis of N,O-Bidentate Organic Difluoroboron Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21541-21545	16.4	13
450	Gadolinium Photocatalysis: Dearomative [2+2] Cycloaddition/Ring-Expansion Sequence with Indoles. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9726-9732	3.6	14
449	Gadolinium Photocatalysis: Dearomative [2+2] Cycloaddition/Ring-Expansion Sequence with Indoles. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9639-9645	16.4	44
448	Technology Trends of Catalysts in Hydrogenation Reactions: A Patent Landscape Analysis. <i>Advanced Synthesis and Catalysis</i> , <b>2020</b> , 362, 1258-1274	5.6	20
447	An Electron-Rich Cyclic (Alkyl)(Amino)Carbene on Au(111), Ag(111), and Cu(111) Surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13643-13646	16.4	21
446	An Arylazopyrazole-Based N-Heterocyclic Carbene as a Photoswitch on Gold Surfaces: Light-Switchable Wettability, Work Function, and Conductance. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13651-13656	16.4	28
445	Understanding the Conformational Behavior of Fluorinated Piperidines: The Origin of the Axial-F Preference. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6141-6146	4.8	13
444	A Structure-Based Platform for Predicting Chemical Reactivity. <i>Chem</i> , <b>2020</b> , 6, 1379-1390	16.2	68
443	Interaction of imidazolium-based lipids with phospholipid bilayer membranes of different complexity. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 9775-9788	3.6	14
442	Direct Access to Monoprotected Homoallylic 1,2-Diols via Dual Chromium/Photoredox Catalysis. <i>ACS Catalysis</i> , <b>2020</b> , 10, 11841-11847	13.1	23
441	Synthesis of All-Carbon Quaternary Centers by Palladium-Catalyzed Olefin Dicarbofunctionalization. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2375-2379	16.4	39
440	Synthese quartärer Kohlenstoffzentren durch palladiumkatalysierte Dicarbofunktionalisierung. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2395-2399	3.6	12
439	1,2-Amino Alcohols via Cr/Photoredox Dual-Catalyzed Addition of $\beta$ -Amino Carbanion Equivalents to Carbonyls. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 2168-2174	16.4	48
438	Energietransfervermittelte intermolekulare Carboiminylierung von Alkenen durch den Persistent Radical Effect. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3198-3203	3.6	16
437	Dialkylation of 1,3-Dienes by Dual Photoredox and Chromium Catalysis. <i>ACS Catalysis</i> , <b>2020</b> , 10, 1621-1623	13.1	57
436	Diastereodivergent synthesis of enantioenriched $\beta$ -disubstituted $\beta$ -butyrolactones via cooperative N-heterocyclic carbene and Ir catalysis. <i>Nature Catalysis</i> , <b>2020</b> , 3, 48-54	36.5	89

435	Chain propagation determines the chemo- and regioselectivity of alkyl radical additions to C-O C-C double bonds. <i>Chemical Science</i> , <b>2020</b> , 11, 731-736	9.4	2
434	Highly Selective Synthesis of 1,3-Enynes, Pyrroles, and Furans by Manganese(I)-Catalyzed CBI Activation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 197-202	13.1	40
433	Photosensitized Intermolecular Carboimination of Alkenes through the Persistent Radical Effect. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3172-3177	16.4	59
432	Machine learning the ropes: principles, applications and directions in synthetic chemistry. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 6154-6168	58.5	56
431	Triplet Energy Transfer Photocatalysis: Unlocking the Next Level. <i>Chem</i> , <b>2020</b> , 6, 1888-1903	16.2	110
430	An Imidazolium-Based Lipid Analogue as a Gene Transfer Agent. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 17176-17182	4.8	7
429	Transition metal-catalysed allylic functionalization reactions involving radicals. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 6186-6197	58.5	60
428	Kooperative Zusammenarbeit von N-heterocyclischen Carbenen auf einer Goldoberfläche. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21416-21422	3.6	1
427	Molecular Machine Learning: The Future of Synthetic Chemistry?. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 18860-18865	16.4	22
426	-Selective and Switchable Arene Hydrogenation of Phenol Derivatives. <i>ACS Catalysis</i> , <b>2020</b> , 10, 11365-11370	13.0	16
425	Accessing (Multi)Fluorinated Piperidines Using Heterogeneous Hydrogenation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 12052-12057	13.1	12
424	Cooperation of N-Heterocyclic Carbenes on a Gold Surface. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21230-21235	16.4	9
423	Molekulares maschinelles Lernen: Die Zukunft der Synthesechemie?. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19020-19025	3.6	2
422	Palladium-Catalyzed Disilylation and Digermanylation of Alkene Tethered Aryl Halides: Direct Access to Versatile Silylated and Germanylated Heterocycles. <i>Organic Letters</i> , <b>2020</b> , 22, 3679-3683	6.2	34
421	Ein elektronenreiches cyclisches (Alkyl)(amino)carben auf Au(111)-, Ag(111)- und Cu(111)-Oberflächen. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13745-13749	3.6	5
420	Ein auf Arylazopyrazol basierendes N-heterocyclisches Carben als Photoschalter auf Goldoberflächen: Lichtschaltbare Benetzbarkeit, Austrittsarbeit und Leitwert. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13754-13759	3.6	6
419	Three-component three-bond forming cascade palladium photoredox catalysis. <i>Chemical Science</i> , <b>2020</b> , 12, 1810-1817	9.4	21
418	Visible-Light-Induced, Metal-Free Carbene Insertion into B-H Bonds between Acylsilanes and Pinacolborane. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 16227-16231	16.4	46

4 <sup>17</sup>	Short and Atom-Economic Enantioselective Synthesis of the $\beta$ -Receptor Ligands (-)- and (+)-Fluspidine-Important Tools for Positron Emission Tomography Studies. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 13744-13754	4.2	4
4 <sup>16</sup>	The formation of all-cis-(multi)fluorinated piperidines by a dearomatization-hydrogenation process. <i>Nature Chemistry</i> , <b>2019</b> , 11, 264-270	17.6	66
4 <sup>15</sup>	Selective Arene Hydrogenation for Direct Access to Saturated Carbo- and Heterocycles. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 10460-10476	16.4	101
4 <sup>14</sup>	Site-selective C-H activation and regiospecific annulation using propargylic carbonates. <i>Chemical Science</i> , <b>2019</b> , 10, 6560-6564	9.4	33
4 <sup>13</sup>	Visible-Light-Photosensitized Aryl and Alkyl Decarboxylative Functionalization Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 10514-10520	16.4	98
4 <sup>12</sup>	Visible-Light-Photosensitized Aryl and Alkyl Decarboxylative Functionalization Reactions. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10624-10630	3.6	29
4 <sup>11</sup>	Synthesis of Iron(0) Complexes Bearing Protic NHC Ligands: Synthesis and Catalytic Activity. <i>Organometallics</i> , <b>2019</b> , 38, 2417-2421	3.8	7
4 <sup>10</sup>	Intermolekulare, verzweigt-selektive und redoxneutrale Cp*Ir(III)-katalysierte allylische C-H-Amidierung. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7191-7195	3.6	20
4 <sup>09</sup>	Regio- and stereoselective synthesis of tetra- and triarylethenes by N-methylimidodiacetyl boron-directed palladium-catalysed three-component coupling. <i>Communications Chemistry</i> , <b>2019</b> , 2,	6.3	11
4 <sup>08</sup>	Intermolecular, Branch-Selective, and Redox-Neutral Cp*Ir -Catalyzed Allylic C-H Amidation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7117-7121	16.4	85
4 <sup>07</sup>	Visible-Light-Mediated Charge Transfer Enables C-C Bond Formation with Traceless Acceptor Groups. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 8240-8244	4.8	73
4 <sup>06</sup>	Rapid Assessment of the Reaction-Condition-Based Sensitivity of Chemical Transformations. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8572-8576	16.4	137
4 <sup>05</sup>	Evaluierung der Reaktionsbedingungs-basierten Sensitivit chemischer Transformationen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8660	3.6	1
4 <sup>04</sup>	Die selektive Arenhydrierung bietet einen direkten Zugang zu gestigten Carbo- und Heterocyclen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10570-10586	3.6	30
4 <sup>03</sup>	Bio-additive-based screening: toward evaluation of the biocompatibility of chemical reactions. <i>Nature Protocols</i> , <b>2019</b> , 14, 2599-2626	18.8	7
4 <sup>02</sup>	Intermolekulare, durch Cp*Rh(III)-katalysierte C=C-Aktivierung ermglichte 1,4-Carboaminierung von konjugierten Dienen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15183-15187	3.6	9
4 <sup>01</sup>	Reductive radical-polar crossover: traditional electrophiles in modern radical reactions. <i>Chemical Science</i> , <b>2019</b> , 10, 8285-8291	9.4	75
4 <sup>00</sup>	Intermolecular 1,4-Carboamination of Conjugated Dienes Enabled by Cp*Rh -Catalyzed C-H Activation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15041-15045	16.4	39

399	Discovery of Unforeseen Energy-Transfer-Based Transformations Using a Combined Screening Approach. <i>Chem</i> , <b>2019</b> , 5, 2183-2194	16.2	43
398	Direct Dearomatization of Pyridines via an Energy-Transfer-Catalyzed Intramolecular [4+2] Cycloaddition. <i>Chem</i> , <b>2019</b> , 5, 2854-2864	16.2	34
397	Further Insights into Structural Diversity of Phosphorus-Based Decomposition Products in Lithium Ion Battery Electrolytes via Liquid Chromatographic Techniques Hyphenated to Ion Trap-Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 3980-3988	7.8	15
396	Accelerated Discovery in Photocatalysis by a Combined Screening Approach Involving MS Tags. <i>Organic Letters</i> , <b>2019</b> , 21, 9747-9752	6.2	5
395	Anisotropic, Organic Ionic Plastic Crystal Mesophases from Persubstituted Imidazolium Pentacyanocyclopentadienide Salts. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9593-9603	9.6	10
394	Cp*RhIII-Catalyzed AllylAryl Coupling of Olefins and Arylboron Reagents Enabled by C(sp <sup>3</sup> )B Activation. <i>ACS Catalysis</i> , <b>2019</b> , 9, 1253-1257	13.1	37
393	Hydrierung borylierter Aromaten. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6621-6625	3.6	13
392	Visible-Light-Mediated Deaminative Three-Component Dicarbofunctionalization of Styrenes with Benzylic Radicals. <i>ACS Catalysis</i> , <b>2019</b> , 9, 236-241	13.1	119
391	An Overview of NHCs <b>2019</b> , 1-35		2
390	Substituted Azolium Disposition: Examining the Effects of Alkyl Placement on Thermal Properties. <i>Crystals</i> , <b>2019</b> , 9, 34	2.3	3
389	Hydrogenation of Borylated Arenes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6549-6553	16.4	36
388	Photocatalysis in the Dark: Near-Infrared Light Driven Photoredox Catalysis by an Upconversion Nanoparticle/Photocatalyst System. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 24-27	3.3	24
387	Unprecedented Dearomatized Spirocyclopropane in a Sequential Rhodium(III)-Catalyzed C-H Activation and Rearrangement Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5520-5524	16.4	31
386	Highly Enantioselective [5 + 2] Annulations through Cooperative N-Heterocyclic Carbene (NHC) Organocatalysis and Palladium Catalysis. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3551-3554	16.4	154
385	Visible-Light-Mediated Synthesis of Ketones by the Oxidative Alkylation of Styrenes. <i>Organic Letters</i> , <b>2018</b> , 20, 1546-1549	6.2	58
384	Effiziente Synthese von arylierten Furanen durch sequentielle Rhodium-katalysierte Arylierung und Cycloisomerisierung von Cyclopropenen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1728-1732	3.6	17
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121	Mild rhodium(III)-catalyzed C-H activation and intermolecular annulation with allenes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7318-22	16.4	310
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19	A Domino Copper-Catalyzed C?N and C?O Cross-Coupling for the Conversion of Primary Amides into Benzoxazoles. <i>Advanced Synthesis and Catalysis</i> , <b>2004</b> , 346, 1661-1664	5.6	160
18	Chirale Olefinliganden [neue Zuschauer] in der asymmetrischen Katalyse. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 3444-3446	3.6	57
17	Effiziente asymmetrische Hydrierung von Pyridinen. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 2910-2913	3.6	73
16	Organokatalysierte konjugierte Umpolung von ungesättigten Aldehyden zur Synthese von Butyrolactonen. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 6331-6334	3.6	218
15	Titelbild: Effiziente asymmetrische Hydrierung von Pyridinen (Angew. Chem. 21/2004). <i>Angewandte Chemie</i> , <b>2004</b> , 116, 2783-2783	3.6	2
14	Sterically demanding, bioxazoline-derived N-heterocyclic carbene ligands with restricted flexibility for catalysis. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 15195-201	16.4	500
13	Ein N-heterocyclischer Carbenligand mit flexiblem sterischem Anspruch ermöglicht die Suzuki-Kreuzkupplung sterisch gehinderter Arylchloride bei Raumtemperatur. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 3818-3821	3.6	112
12	An N-heterocyclic carbene ligand with flexible steric bulk allows Suzuki cross-coupling of sterically hindered aryl chlorides at room temperature. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3690-3	16.4	403
11	Palladium-catalyzed Heck-type reaction of 2-chloro acetamides with olefins. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 5751-5754	2	38
10	Oxazolines as chiral building blocks for imidazolium salts and N-heterocyclic carbene ligands. <i>Chemical Communications</i> , <b>2002</b> , 2704-5	5.8	213
9	Highly Enantio- and Regioselective Allylic Alkylations Catalyzed by Chiral [Bis(dihydrooxazole)]molybdenum Complexes. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 3178-3196	2	54
8	Highly Enantio- and Regioselective Allylic Alkylations Catalyzed by Chiral [Bis(dihydrooxazole)]molybdenum Complexes <b>2001</b> , 84, 3178		2
7	A New Planar Chiral Bipyridine Ligand. <i>Synthesis</i> , <b>1999</b> , 1999, 597-602	2.9	44
6	Transition Metal-Catalyzed [5 + 2] Cycloadditions of Allenes and Vinylcyclopropanes: First Studies of Endo/Exo Selectivity, Chemoselectivity, Relative Stereochemistry, and Chirality Transfer. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 5348-5349	16.4	153
5	Enantioselective Molybdenum-Catalyzed Allylic Alkylation Using Chiral Bisoxazoline Ligands. <i>Organic Letters</i> , <b>1999</b> , 1, 141-144	6.2	103
4	Reversible Selbstorganisation eines N-heterocyclischen Carbens auf Metalloberflächen. <i>Angewandte Chemie</i> , <b>2021</b> , 15104	3.6	

3	Visible-Light-Initiated Hydroxygenation of Unactivated Alkenes-A Strategy for Anti-Markovnikov Hydrofunctionalization. <i>ACS Catalysis</i> ,2499-2504	13.1	3
2	N-Heterocyclic carbenes as tunable ligands for catalytic metal surfaces. <i>Nature Catalysis</i> ,	36.5	31
1	Recent advances in the chemistry and applications of N-heterocyclic carbenes. <i>Nature Reviews Chemistry</i> ,	34.6	47