

# Chao-Jun Li

## 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.

497 papers	38,628 citations	97 h-index	180 g-index
731 ext. papers	42,372 ext. citations	8.2 avg, IF	8.27 L-index

#	Paper	IF	Citations
497	Visible-light-induced transition metal and photosensitizer free decarbonylative addition of amino-arylaldehydes to ketones.. <i>Chemical Science</i> , <b>2022</b> , 13, 698-703	9.4	0
496	Umpolung carbonyls enable direct allylation and olefination of carbohydrates.. <i>Science Advances</i> , <b>2022</b> , 8, eabm6840	14.3	4
495	Light-driven transition-metal-free direct decarbonylation of unstrained diaryl ketones via a dual C-C bond cleavage.. <i>Nature Communications</i> , <b>2022</b> , 13, 1805	17.4	2
494	Demetallation of organometallic and metal-mediated reactions. <i>Innovation(China)</i> , <b>2022</b> , 100262	17.8	1
493	Ruthenium(ii)-catalyzed regioselective 1,6-conjugate addition of umpolung aldehydes as carbanion equivalents.. <i>Chemical Science</i> , <b>2021</b> , 13, 118-122	9.4	2
492	Deoxygenative Functionalizations of Aldehydes, Ketones and Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	6
491	Palladium-Catalyzed Defluorinative Alkylation of gem-Difluorocyclopropanes: Switching Regioselectivity via Simple Hydrazones. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13098-13104	16.4	21
490	Palladium-Catalyzed Defluorinative Alkylation of gem-Difluorocyclopropanes: Switching Regioselectivity via Simple Hydrazones. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13208-13214	3.6	4
489	Study of Rhodamine-Based Fluorescent Probes for Organic Radical Intermediates. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 4059-4064	3.2	1
488	A cross-dehydrogenative C(sp)-H heteroarylation via photo-induced catalytic chlorine radical generation. <i>Nature Communications</i> , <b>2021</b> , 12, 4010	17.4	23
487	C(sp)-C(sp) bond formation via nickel-catalyzed deoxygenative homo-coupling of aldehydes/ketones mediated by hydrazine. <i>Nature Communications</i> , <b>2021</b> , 12, 3729	17.4	3
486	Dearomatization-Rearomatization Strategy for ortho-Selective Alkylation of Phenols with Primary Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4043-4048	16.4	13
485	Group-III Nitrides Catalyzed Transformations of Organic Molecules. <i>CheM</i> , <b>2021</b> , 7, 64-92	16.2	3
484	Shining Light on the Light-Bearing Element: A Brief Review of Photomediated C-H Phosphorylation Reactions. <i>Synthesis</i> , <b>2021</b> , 53, 1003-1022	2.9	6
483	Addition reactions of organic carbanion equivalents via hydrazones in water. <i>Tetrahedron</i> , <b>2021</b> , 80, 131889	18.9	9
482	Catalytic hydrogenation of CO <sub>2</sub> from air via porous silica-supported Au nanoparticles in aqueous solution. <i>Green Chemistry</i> , <b>2021</b> , 23, 3740-3749	10	4
481	Photo-induced transition-metal and external photosensitizer-free organic reactions. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 3594-3613	5.2	7

480	Modern methods for the synthesis of perfluoroalkylated aromatics. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 7116-7128	3.9	3
479	Cross-dehydrogenative coupling: a sustainable reaction for C-C bond formations. <i>Green Chemistry</i> , <b>2021</b> , 23, 6789-6862	10	22
478	Photoinduced transition-metal and external photosensitizer free cross-coupling of aryl triflates with trialkyl phosphites. <i>Chemical Communications</i> , <b>2021</b> , 57, 8429-8432	5.8	3
477	Catalyst-free generation of acyl radicals induced by visible light in water to construct C-N bonds. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 1970-1975	3.9	5
476	Carbonyl umpolung as an organometallic reagent surrogate. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 10733-10742	18.9	9
475	Photoinduced Transition-Metal and External Photosensitizer Free Phosphonation of Unactivated C(sp <sup>2</sup> )-H Bond via SET Process under Mild Conditions. <i>Fundamental Research</i> , <b>2021</b> , 1, 742-742		3
474	Direct deoxygenative borylation of carboxylic acids. <i>Nature Communications</i> , <b>2021</b> , 12, 4970	17.4	8
473	Desulfonylation via Radical Process: Recent Developments in Organic Synthesis. <i>Chemical Reviews</i> , <b>2021</b> , 121, 12548-12680	68.1	33
472	Photo-induced transition-metal and photosensitizer free cross-coupling of aryl halides with disulfides. <i>Green Synthesis and Catalysis</i> , <b>2021</b> , 2, 303-306	9.3	16
471	Copper-Catalyzed Conjugate Addition of Carbonyls as Carbanion Equivalent via Hydrazones. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 13111-13117	4.2	4
470	Visible-Light Photoredox Catalyzed Double C-H Functionalization: Radical Cascade Cyclization of Ethers with Benzimidazole-Based Cyanamides. <i>Organic Letters</i> , <b>2021</b> , 23, 692-696	6.2	9
469	Green chemistry meets medicinal chemistry: a perspective on modern metal-free late-stage functionalization reactions. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 10955-10982	58.5	13
468	Controllable Tandem [3+2] Cyclization of Aromatic Aldehydes with Maleimides: Rhodium(III)-Catalyzed Divergent Synthesis of Indane-Fused Pyrrolidine-2,5-dione. <i>Organic Letters</i> , <b>2020</b> , 22, 8808-8813	6.2	8
467	Palladium-Catalyzed Formal Hydroalkylation of Aryl-Substituted Alkynes with Hydrazones. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14009-14013	16.4	22
466	Photocatalytic Methylation of Nonactivated sp <sup>3</sup> and sp <sup>2</sup> C-H Bonds Using Methanol on GaN. <i>ACS Catalysis</i> , <b>2020</b> , 10, 6248-6253	13.1	9
465	Palladium-catalyzed hydroalkylation of methylenecyclopropanes with simple hydrazones. <i>Chemical Science</i> , <b>2020</b> , 11, 10759-10763	9.4	14
464	Photoinduced transition-metal- and external-photosensitizer-free intramolecular aryl rearrangement C(Ar)-O bond cleavage. <i>Chemical Science</i> , <b>2020</b> , 11, 5740-5744	9.4	20
463	A Cu/Cinchona P,N-ligand system enabled general asymmetric C(sp <sup>3</sup> )-C(sp) coupling. <i>Science China Chemistry</i> , <b>2020</b> , 63, 751-752	7.9	2

462	GaN nanowires as a reusable photoredox catalyst for radical coupling of carbonyl under blacklight irradiation. <i>Chemical Science</i> , <b>2020</b> , 11, 7864-7870	9.4	12
461	Metal-Free Direct Deoxygenative Borylation of Aldehydes and Ketones. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13011-13020	16.4	29
460	Photoinduced catalyst-free deborylation-deuteration of arylboronic acids with D <sub>2</sub> O. <i>Green Chemistry</i> , <b>2020</b> , 22, 6323-6327	10	16
459	Methane conversion to ethylene over GaN catalysts. Effect of catalyst nitridation. <i>Applied Catalysis A: General</i> , <b>2020</b> , 595, 117430	5.1	15
458	Switch in Selectivity for Formal Hydroalkylation of 1,3-Dienes and Enynes with Simple Hydrazones. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6466-6472	16.4	26
457	Dearomatization-Rearomatization Strategy for Synthesizing Carbazoles with 2,2'-Biphenols and Ammonia by Dual C(Ar)-OH Bond Cleavages. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 13200-13205 <sup>9</sup>	5.7	9
456	Aldehyde as a Traceless Directing Group for Regioselective C-H Alkylation Catalyzed by Rhodium(III) in Air. <i>Organic Letters</i> , <b>2020</b> , 22, 1259-1264	6.2	9
455	Palladium-catalyzed aerobic synthesis of ortho-substituted phenols from cyclohexanones and primary alcohols. <i>Chemical Communications</i> , <b>2020</b> , 56, 1239-1242	5.8	14
454	Synergistic Relay Reactions To Achieve Redox-Neutral $\beta$ -Alkylations of Olefinic Alcohols with Ruthenium(II) Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4544-4549	16.4	18
453	Mechanistic insights of methane conversion to ethylene over gallium oxide and gallium nitride using density functional theory. <i>Molecular Catalysis</i> , <b>2020</b> , 482, 110606	3.3	7
452	Light-Driven Metal-Free Direct Deoxygenation of Alcohols under Mild Conditions. <i>IScience</i> , <b>2020</b> , 23, 101419	6.1	10
451	CN Oxidative Cleavage in the Aerobic Esterification of Alcohol. <i>Chem</i> , <b>2020</b> , 6, 3163-3165	16.2	2
450	Empowering alcohols as carbonyl surrogates for Grignard-type reactions. <i>Nature Communications</i> , <b>2020</b> , 11, 6022	17.4	7
449	Perspectives on green synthesis and catalysis. <i>Green Synthesis and Catalysis</i> , <b>2020</b> , 1, 1-11	9.3	68
448	Transformations of Less-Activated Phenols and Phenol Derivatives via C-O Cleavage. <i>Chemical Reviews</i> , <b>2020</b> , 120, 10454-10515	68.1	61
447	Coupling without Coupling Reactions: En Route to Developing Phenols as Sustainable Coupling Partners via Dearomatization-Rearomatization Processes. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 2395-2413 <sup>24,3</sup>	24.3	21
446	Dearomatization-Rearomatization Strategy for Palladium-Catalyzed CN Cross-Coupling Reactions. <i>Synlett</i> , <b>2020</b> , 32,	2.2	3
445	Aromatic Chemistry in the Excited State: Facilitating Metal-Free Substitutions and Cross-Couplings. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1802-1812	3.6	4

444	Aromatic Chemistry in the Excited State: Facilitating Metal-Free Substitutions and Cross-Couplings. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1786-1796	16.4	33
443	Ruthenium catalyzed selective alkylation of vinylpyridines with aldehydes/ketones NH mediated deoxygenative couplings. <i>Chemical Science</i> , <b>2020</b> , 12, 2870-2875	9.4	9
442	Green Oxidative Synthesis of Carboxylic Acids <b>2019</b> , 159-180		2
441	En route to metal-mediated and metal-catalysed reactions in water. <i>Chemical Science</i> , <b>2019</b> , 10, 34-46	9.4	30
440	Silver Nanoparticles in Organic Transformations <b>2019</b> , 723-793		3
439	Hydrogen bonding promoted simple and clean photo-induced reduction of C-X bond with isopropanol. <i>Chemical Communications</i> , <b>2019</b> , 55, 767-770	5.8	25
438	An Old Dog with New Tricks: Enjoin Wolff-Kishner Reduction for Alcohol Deoxygenation and C-C Bond Formations. <i>Synlett</i> , <b>2019</b> , 30, 1508-1524	2.2	28
437	Water: the greenest solvent overall. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2019</b> , 18, 118-123	3.9	26
436	Nickel-Catalyzed Cross-Coupling of Umpolung Carbonyls and Alkyl Halides. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 6312-6322	4.2	16
435	Direct Synthesis of Diphenylamines from Phenols and Ammonium Formate Catalyzed by Palladium. <i>ChemSusChem</i> , <b>2019</b> , 12, 2999-3002	8.3	19
434	Dearomatization-Rearomatization Strategy for Reductive Cross-Coupling of Indoles with Ketones in Water. <i>Organic Letters</i> , <b>2019</b> , 21, 2302-2306	6.2	30
433	Direct conversion of phenols into primary anilines with hydrazine catalyzed by palladium. <i>Chemical Science</i> , <b>2019</b> , 10, 4775-4781	9.4	41
432	Direct Catalytic Methanol-to-Ethanol Photo-conversion via Methyl Carbene. <i>Chem</i> , <b>2019</b> , 5, 858-867	16.2	26
431	Diacetyl as a "traceless" visible light photosensitizer in metal-free cross-dehydrogenative coupling reactions. <i>Chemical Science</i> , <b>2019</b> , 10, 5018-5024	9.4	68
430	Transition-Metal-Free C-C, C-O, and C-N Cross-Couplings Enabled by Light. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 6755-6764	16.4	55
429	Coupling Reactions and C-H Functionalization <b>2019</b> , 331-406		
428	Asymmetric Silver-Catalyzed Reactions <b>2019</b> , 533-643		1
427	Photoinduced Transition-Metal-Free Cross-Coupling of Aryl Halides with H-Phosphonates. <i>Organic Letters</i> , <b>2019</b> , 21, 1301-1305	6.2	53

426	Direct dehydrogenative alkyl Heck-couplings of vinylarenes with umpolung aldehydes catalyzed by nickel. <i>Nature Communications</i> , <b>2019</b> , 10, 715	17.4	42
425	Silver-Catalyzed Cyclizations <b>2019</b> , 85-181		1
424	Construction of Spirocyclic Tetrahydro- $\beta$ -carbolines via Cross-Annulation of Phenols with Tryptamines in Water. <i>Organic Letters</i> , <b>2019</b> , 21, 7033-7037	6.2	24
423	En Route to Intermolecular Cross-Dehydrogenative Coupling Reactions. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 12705-12721	4.2	107
422	Umpolung cross-coupling of polyfluoroarenes with hydrazones via activation of C-F bonds. <i>Chemical Communications</i> , <b>2019</b> , 55, 9323-9326	5.8	12
421	Nickel-Catalyzed Regioselective Hydrobenzylation of 1,3-Dienes with Hydrazones. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9199-9205	13.1	31
420	Metal-Free Construction of the C(sp)-CF Bond: Trifluoromethylation of Hydrazones with Togni's Reagent under Mild Conditions. <i>Organic Letters</i> , <b>2019</b> , 21, 5948-5951	6.2	11
419	Efficient Nitrogen Fixation Catalyzed by Gallium Nitride Nanowire Using Nitrogen and Water. <i>IScience</i> , <b>2019</b> , 17, 208-216	6.1	10
418	Light-enabled metal-free pinacol coupling by hydrazine. <i>Chemical Science</i> , <b>2019</b> , 10, 10937-10943	9.4	17
417	Conversion of Lignin into High Value Chemical Products <b>2019</b> , 385-403		2
416	Introduction to Silver Chemistry <b>2019</b> , 1-32		
415	Silver-catalyzed Cycloaddition Reactions <b>2019</b> , 33-83		6
414	Silver-Catalyzed Reduction and Oxidation of Aldehydes and Their Derivatives <b>2019</b> , 645-660		1
413	Silver Complexes in Organic Transformations <b>2019</b> , 661-722		5
412	Silver-Mediated Radical Reactions <b>2019</b> , 183-269		3
411	Metal-Free Photoinduced Transformation of Aryl Halides and Diketones into Aryl Ketones. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 2721-2724	3.2	10
410	Two-in-One Strategy for Palladium-Catalyzed C-H Functionalization in Water. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2859-2863	16.4	36
409	Silver-Mediated Fluorination, Perfluoroalkylation, and Trifluoromethylthiolation Reactions <b>2019</b> , 271-330		1

408 Silver-Catalyzed CO<sub>2</sub> Incorporation **2019**, 407-438

407 Silver-Catalyzed Carbene, Nitrene, and Silylene Transfer Reactions **2019**, 439-532 8

406 Exploration of new reaction tools for late-stage functionalization of complex chemicals. *Canadian Journal of Chemistry*, **2019**, 97, 67-85 0.9 12

405 Cross-Coupling of Phenol Derivatives with Umpolung Aldehydes Catalyzed by Nickel. *ACS Catalysis*, **2018**, 8, 4622-4627 13.1 44

404 Palladium-Catalyzed Formal Cross-Coupling of Diaryl Ethers with Amines: Slicing the 4-O-5 Linkage in Lignin Models. *Angewandte Chemie*, **2018**, 130, 3814-3819 3.6 26

403 Palladium-Catalyzed Formal Cross-Coupling of Diaryl Ethers with Amines: Slicing the 4-O-5 Linkage in Lignin Models. *Angewandte Chemie - International Edition*, **2018**, 57, 3752-3757 16.4 67

402 Carboxyl-Directed Conjugate Addition of C-H Bonds to  $\alpha,\beta$ -Unsaturated Ketones in Air and Water. *Advanced Synthesis and Catalysis*, **2018**, 360, 1358-1363 5.6 30

401 Nickel-catalyzed cross-coupling of aldehydes with aryl halides via hydrazone intermediates. *Chemical Communications*, **2018**, 54, 1750-1753 5.8 37

400 Silver(I)-Catalyzed Widely Applicable Aerobic 1,2-Diol Oxidative Cleavage. *Angewandte Chemie*, **2018**, 130, 2646-2650 3.6 4

399 Silver(I)-Catalyzed Widely Applicable Aerobic 1,2-Diol Oxidative Cleavage. *Angewandte Chemie - International Edition*, **2018**, 57, 2616-2620 16.4 33

398 Copper-Catalyzed Radical Reductive Arylation of Styrenes with Aryl Iodides Mediated by Zinc in Water. *Journal of Organic Chemistry*, **2018**, 83, 7416-7422 4.2 12

397 Ruthenium-catalyzed umpolung carboxylation of hydrazones with CO. *Chemical Science*, **2018**, 9, 4873-4878 13.1 52

396 Supercritical Carbon Dioxide Enables Rapid, Clean, and Scalable Conversion of a Metal Oxide into Zeolitic Metal-Organic Frameworks. *Crystal Growth and Design*, **2018**, 18, 3222-3228 3.5 24

395 Revised Mechanism for a Ruthenium-Catalyzed Coupling of Aldehyde and Terminal Alkyne. *ACS Omega*, **2018**, 3, 3218-3227 3.9 5

394 Chemistry Takes a Bath: Reactions in Aqueous Media. *Journal of Organic Chemistry*, **2018**, 83, 7319-7322 4.2 65

393 Formal Cross-Coupling of Diaryl Ethers with Ammonia by Dual C(Ar)-N Bond Cleavages. *ACS Catalysis*, **2018**, 8, 8873-8878 13.1 37

392 Metal-Free and Redox-Neutral Conversion of Organotrifluoroborates into Radicals Enabled by Visible Light. *Angewandte Chemie - International Edition*, **2018**, 57, 13499-13503 16.4 34

391 Metal-Free and Redox-Neutral Conversion of Organotrifluoroborates into Radicals Enabled by Visible Light. *Angewandte Chemie*, **2018**, 130, 13687-13691 3.6 6

390	Catalytic N-modification of $\beta$ -amino acids and small peptides with phenol under bio-compatible conditions. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	20
389	Iron-Catalyzed Nucleophilic Addition Reaction of Organic Carbanion Equivalents via Hydrazones. <i>Organic Letters</i> , <b>2018</b> , 20, 3801-3805	6.2	27
388	Synthesis of 6-Trifluoromethylphenanthridines through Radical Trifluoromethylation of Isocyanides with Sodium Triflinate under Visible Light. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 2498-2503	3.2	27
387	Direct synthesis of indenenes via a rhodium-catalyzed multicomponent C-H annulation reaction. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 8042-8047	3.9	6
386	Direct conjugate additions using aryl and alkyl organic halides in air and water. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 3579-3584	5.2	9
385	NH as traceless mediator for homo- and cross- aryl coupling. <i>Nature Communications</i> , <b>2018</b> , 9, 4739	17.4	34
384	Umpolung of Carbonyl Groups as Alkyl Organometallic Reagent Surrogates for Palladium-Catalyzed Allylic Alkylation. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16758-16762	3.6	15
383	Umpolung of Carbonyl Groups as Alkyl Organometallic Reagent Surrogates for Palladium-Catalyzed Allylic Alkylation. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16520-16524	16.4	41
382	Radical difluoromethylthiolation of aromatics enabled by visible light. <i>Chemical Science</i> , <b>2018</b> , 9, 5781-5786	17.6	47
381	C-C Bond Formation by Oxidative Ring-Opening Homocoupling of Cyclobutanols. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1070-1073	3.2	13
380	Carbonyls as Latent Alkyl Carbanions for Conjugate Additions. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6302-6306	16.4	53
379	Carbonyls as Latent Alkyl Carbanions for Conjugate Additions. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6399-6403	3.6	19
378	Transition-Metal-Free Alkynylation of 2-Oxindoles through Radical-Radical Coupling. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 2656-2663	4.2	24
377	Palladium-Catalyzed Direct C-H Arylation of Ketones with Arylboronic Acids in Water. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 2402-2406	5.6	18
376	Palladium-catalysed atom-economical synthesis of conjugated dienals from terminal acetylenes and acrolein. <i>Chemical Communications</i> , <b>2017</b> , 53, 6136-6139	5.8	4
375	Simple and Clean Photo-induced Methylation of Heteroarenes with MeOH. <i>Chem</i> , <b>2017</b> , 2, 688-702	16.2	115
374	An Adventure in Sustainable Cross-Coupling of Phenols and Derivatives via Carbon-Oxygen Bond Cleavage. <i>ACS Catalysis</i> , <b>2017</b> , 7, 510-519	13.1	160
373	Aldehydes as alkyl carbanion equivalents for additions to carbonyl compounds. <i>Nature Chemistry</i> , <b>2017</b> , 9, 374-378	17.6	97

372	Addendum: Aldehydes as alkyl carbanion equivalents for additions to carbonyl compounds. <i>Nature Chemistry</i> , <b>2017</b> , 9, 723	17.6	
371	Nitrogen Photofixation over III-Nitride Nanowires Assisted by Ruthenium Clusters of Low Atomicity. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8701-8705	16.4	72
370	Simple and Efficient Generation of Aryl Radicals from Aryl Triflates: Synthesis of Aryl Boronates and Aryl Iodides at Room Temperature. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8621-8627	16.4	109
369	Nitrogen Photofixation over III-Nitride Nanowires Assisted by Ruthenium Clusters of Low Atomicity. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8827-8831	3.6	23
368	Selective Copper(I)-Heterocyclic Carbene (Copper-NHC)-Catalyzed Aerobic Cleavage of $\beta$ -Lignin Models to Aldehydes. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3344-3348	13.1	36
367	Umpolung Addition of Aldehydes to Aryl Imines. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6260-6263	16.4	68
366	Umpolung Addition of Aldehydes to Aryl Imines. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6356-6359	3.6	20
365	Rhodium-catalyzed regiospecific C-H ortho-phenylation of benzoic acids with Cu/air as an oxidant. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 417-420	5.2	7
364	Catalyst-Free and Redox-Neutral Innate Trifluoromethylation and Alkylation of Aromatics Enabled by Light. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14315-14321	16.4	117
363	Ruthenium(II)-catalyzed olefination carbonyl reductive cross-coupling. <i>Chemical Science</i> , <b>2017</b> , 8, 8193-8197	16.4	41
362	Development of an indicator for the direct visualization of radical intermediates in organic reactions. <i>Chemical Communications</i> , <b>2017</b> , 53, 11225-11228	5.8	6
361	Recent Synthetic Applications of Catalyst-Free Photochemistry. <i>Synlett</i> , <b>2017</b> , 28, 2714-2754	2.2	39
360	Formal aromaticity transfer for palladium-catalyzed coupling between phenols and pyrrolidines/indolines. <i>Chemical Science</i> , <b>2017</b> , 8, 6954-6958	9.4	32
359	Palladium-Catalyzed Synthesis of N-Cyclohexyl Anilines from Phenols with Hydrazine or Hydroxylamine via N-N/O Cleavage. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 3648-3653	5.6	34
358	Palladium-Catalyzed Tandem Oxidative Arylation/Olefination of Aromatic Tethered Alkenes/Alkynes. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 793-797	4.8	17
357	Reversing aggregation: direct synthesis of nanocatalysts from bulk metal. Cellulose nanocrystals as active support to access efficient hydrogenation silver nanocatalysts. <i>Green Chemistry</i> , <b>2016</b> , 18, 129-133 <sup>10</sup>	15.8	39
356	Photo-induced Carboiodination: A Simple Way to Synthesize Functionalized Dihydrobenzofurans and Indolines. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 15252-15256	4.8	30
355	Photo-induced iodination of aryl halides under very mild conditions. <i>Nature Protocols</i> , <b>2016</b> , 11, 1948-1954	15.8	27

354	Non-symmetrical diarylcarboxylic acids via rhodium(I)-catalyzed regiospecific cross-dehydrogenation coupling of aromatic acids: twofold direct C-H bond activations in water. <i>RSC Advances</i> , <b>2016</b> , 6, 91617-91620	3.7	10
353	Transition-Metal-Free Coupling of Alkynes with $\alpha$ -Bromo Carbonyl Compounds: An Efficient Approach towards $\beta$ -Alkynoates and Allenates. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 5888-93	4.8	28
352	Catalyst-Free Three-Component Tandem CDC Cyclization: Convenient Access to Isoindolinones from Aromatic Acid, Amides, and DMSO by a Pummerer-Type Rearrangement. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6262-7	4.8	19
351	Microwave-Assisted Synthesis of Magnetic Carboxymethyl Cellulose-Embedded Ag <sub>2</sub> Se <sub>3</sub> O <sub>4</sub> Nanocatalysts for Selective Carbonyl Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 965-973	8.3	60
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348	Copper-catalyzed asymmetric sp C-H arylation of tetrahydroisoquinoline mediated by a visible light photoredox catalyst. <i>Beilstein Journal of Organic Chemistry</i> , <b>2016</b> , 12, 2636-2643	2.5	22
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346	Transition-Metal-Catalyzed Direct Addition of Aryl C-H Bonds to Unsaturated Electrophiles. <i>Chemical Record</i> , <b>2016</b> , 16, 1178-90	6.6	13
345	En Route to a Practical Primary Alcohol Deoxygenation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5433-40	16.4	73
344	Metal-Free Markovnikov-Type Alkyne Hydration under Mild Conditions. <i>Organic Letters</i> , <b>2016</b> , 18, 2184-76.2	87	
343	Simple and Clean Photoinduced Aromatic Trifluoromethylation Reaction. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5809-12	16.4	218
342	Rhodium-catalysed tandem dehydrogenative coupling/Michael addition: direct synthesis of phthalides from benzoic acids and alkenes. <i>RSC Advances</i> , <b>2016</b> , 6, 40626-40630	3.7	18
341	Exploration of New Chemical Reactivities for Sustainable Molecular Transformations. <i>Chem</i> , <b>2016</b> , 1, 423-437	16.2	38
340	Catalytic Grignard-Type Addition of Aryl C-H Bonds to C=O and C=N Bonds <b>2016</b> , 3-15		3
339	Dehydrative condensation of carbonyls with non-acidic methylenes enabled by light: synthesis of benzofurans. <i>Chemical Communications</i> , <b>2016</b> , 52, 13120-13123	5.8	13
338	Phosphorylation of Glycine Derivatives via Copper(I)-Catalyzed Csp <sup>3</sup> -H Bond Functionalization. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 2553-2557	5.6	37
337	Catalytic Fehling's Reaction: An Efficient Aerobic Oxidation of Aldehyde Catalyzed by Copper in Water. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10964-10968	3.6	20

336	Catalytic Fehling's Reaction: An Efficient Aerobic Oxidation of Aldehyde Catalyzed by Copper in Water. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10806-10	16.4	64
335	Photon can tremendously accelerate the alkyl iodides elimination in water. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 1699-1702	2	7
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333	Photo-induced Metal-Catalyst-Free Aromatic Finkelstein Reaction. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8328-31	16.4	134
332	Copper(II)-catalyzed highly regio- and stereo-selective hydrosilylation of unactivated internal alkynes with silylborate in water. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 5871-4	3.9	13
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329	Palladium-catalyzed reductive coupling of phenols with anilines and amines: efficient conversion of phenolic lignin model monomers and analogues to cyclohexylamines. <i>Chemical Science</i> , <b>2015</b> , 6, 4174-4178	9.4	104
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326	Empowering a transition-metal-free coupling between alkyne and alkyl iodide with light in water. <i>Nature Communications</i> , <b>2015</b> , 6, 6526	17.4	111
325	Gold-catalyzed tandem reactions of amide-aldehyde-alkyne coupling and cyclization-synthesis of 2,4,5-trisubstituted oxazoles. <i>Chemical Science</i> , <b>2015</b> , 6, 7332-7335	9.4	40
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323	Palladium-catalyzed benzothieno[2,3-b]indole formation via dehydrative-dehydrogenative double C-H sulfuration using sulfur powder, indoles and cyclohexanones. <i>Chemical Communications</i> , <b>2015</b> , 51, 1031-4	5.8	76
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320	Gold(III) Chloride <b>2015</b> , 1-24		
319	Formal Direct Cross-Coupling of Phenols with Amines. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14695-14699	3.6	29

318	Rhodium(I)-Catalyzed Regiospecific Dimerization of Aromatic Acids: Two Direct C-H Bond Activations in Water. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5810-5813	3.6	25
317	Formal Direct Cross-Coupling of Phenols with Amines. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14487-91	16.4	120
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315	Simple and Efficient System for Combined Solar Energy Harvesting and Reversible Hydrogen Storage. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7576-9	16.4	36
314	Palladium-catalyzed 1,4-addition of terminal alkynes to acrolein. <i>Tetrahedron</i> , <b>2015</b> , 71, 5866-5870	2.4	6
313	Copper-Catalyzed Oxidative C(sp <sup>3</sup> )-H Functionalization for Facile Synthesis of 1,2,4-Triazoles and 1,3,5-Triazines from Amidines. <i>Organic Letters</i> , <b>2015</b> , 17, 2894-7	6.2	72
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310	Cyclopropanation of diazoesters with styrene derivatives catalyzed by magnetically recoverable copper-plated iron nanoparticles. <i>Tetrahedron</i> , <b>2014</b> , 70, 6162-6168	2.4	12
309	A Rhodium-Catalyzed Cascade Cyclization: Direct Synthesis of N-Substituted Phthalimides from Isocyanates and Benzoic Acids. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 723-728	5.6	63
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307	Functionalization of cellulose nanocrystal films via thiol-ene click reaction. <i>RSC Advances</i> , <b>2014</b> , 4, 6965	3.7	47
306	Thermal non-oxidative aromatization of light alkanes catalyzed by gallium nitride. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14106-9	16.4	41
305	A silver-catalyzed transfer hydrogenation of aldehyde in air and water. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 161	5.2	18
304	Cyclopropanation of diazoesters with styrene derivatives catalyzed by magnetically recoverable copper-plated iron nanoparticles. <i>Tetrahedron</i> , <b>2014</b> , 70, 8952-8958	2.4	6
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298	Carbophilic Cycloisomerization Reactions of Enynes and Domino Processes <b>2014</b> , 27-68		6
297	Alkyne-Azide Reactions <b>2014</b> , 113-142		2
296	Catalytic Conjugate Additions of Alkynes <b>2014</b> , 171-200		
295	Catalytic Nucleophilic Addition of Alkynes to Imines: The A3 (Aldehyde-Alkyne-Amine) Coupling <b>2014</b> , 239-268		6
294	Catalytic Dimerization of Alkynes <b>2014</b> , 299-334		3
293	The Alkyne Zipper Reaction in Asymmetric Synthesis <b>2014</b> , 365-394		3
292	Redox Isomerization of Propargyl Alcohols to Enones <b>2014</b> , 9-26		1
291	Alkyne Metathesis in Organic Synthesis <b>2014</b> , 69-112		1
290	Catalytic Cycloaddition Reactions <b>2014</b> , 143-170		2
289	Catalytic Enantioselective Addition of Terminal Alkynes to Carbonyls <b>2014</b> , 201-238		1
288	The Oxidative Dimerization of Acetylenes and Related Reactions: Synthesis and Applications of Conjugated 1,3-Diynes <b>2014</b> , 335-364		
287	The Sonogashira Reaction <b>2014</b> , 269-298		
286	The Barbier-Grignard-type arylation of aldehydes using unactivated aryl iodides in water. <i>Nature Communications</i> , <b>2014</b> , 5, 4254	17.4	57
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280	Palladium-catalyzed 1,4-Addition of Terminal Alkynes to Conjugated Enones <b>2014</b> , 72-82		1
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272	Synthesis of indene frameworks via rhodium-catalyzed cascade cyclization of aromatic ketone and unsaturated carbonyl compounds. <i>Organic Letters</i> , <b>2013</b> , 15, 1476-9	6.2	77
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222	Silver-Catalyzed Oxidative Coupling of Terminal Aromatic Alkynes and Benzylic Ethers. <i>Heterocycles</i> , <b>2010</b> , 82, 555	0.8	48
221	Ru-catalyzed decarbonylative addition of aliphatic aldehydes to terminal alkynes. <i>Organic Letters</i> , <b>2010</b> , 12, 3176-8	6.2	41
220	The development of catalytic nucleophilic additions of terminal alkynes in water. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 581-90	24.3	330
219	Synthesis of Chiral 1,3-Disubstituted Tetrahydroisoquinolines and Their Use in the Asymmetric Addition of Diethylzinc to Aldehydes. <i>Heterocycles</i> , <b>2010</b> , 80, 1319	0.8	13
218	Ruthenium-catalyzed tertiary amine formation from nitroarenes and alcohols. <i>Organic Letters</i> , <b>2010</b> , 12, 4888-91	6.2	71
217	Cross-dehydrogenative coupling reactions of sp <sup>3</sup> -hybridized C-H bonds. <i>Topics in Current Chemistry</i> , <b>2010</b> , 292, 281-302		217
216	Rhodium-catalyzed oxidative C-H arylation of 2-arylpyridine derivatives via decarbonylation of aromatic aldehydes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12212-3	16.4	125
215	Palladium-catalyzed direct oxidative Heck-Cassar-Sonogashira type alkynylation of indoles with alkynes under oxygen. <i>Chemical Communications</i> , <b>2010</b> , 46, 4184-6	5.8	129
214	Aldehyde- and ketone-induced tandem decarboxylation-coupling (Csp(3)-Csp) of natural alpha-amino acids and alkynes. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 783-8	4.2	100
213	Copper-Catalyzed Highly Regioselective Oxidative C-H Bond Amidation of 2-Arylpyridine Derivatives and 1-Methylindoles. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 632-636	5.6	161
212	Palladium-Catalyzed Oxidative sp <sup>2</sup> C-H Bond Acylation with Aldehydes. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 1145-1149	5.6	171
211	Copper-Catalyzed Cross-Dehydrogenative Coupling (CDC) of Alkynes and Benzylic C-H Bonds. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 1446-1450	5.6	91

210	Copper(II) Triflate-Catalyzed Three-Component Coupling of Aldehydes, Alkynes and Carbamates. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 2437-2440	5.6	14
209	The First Decarbonylative Coupling of Aldehydes and Norbornenes Catalyzed by Rhodium. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 2899-2904	5.6	42
208	Propargyl amine synthesis catalysed by gold and copper thin films by using microwave-assisted continuous-flow organic synthesis (MACOS). <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 126-33	4.8	106
207	Aerobic and electrochemical oxidative cross-dehydrogenative-coupling (CDC) reaction in an imidazolium-based ionic liquid. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8162-6	4.8	103
206	Self-catalytic, solvent-free or in/on water protocol: aza-Friedel-Crafts reactions between 3,4-dihydroisoquinoline and 1- or 2-naphthols. <i>Tetrahedron</i> , <b>2010</b> , 66, 1045-1050	2.4	25
205	Catalytic alkylation of benzylic C-H bonds with 1,3-dicarbonyl compounds utilizing oxygen as terminal oxidant. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 1172-1175	2	35
204	A novel catalytic decarbonylative Heck-type reaction and conjugate addition of aldehydes to unsaturated carbonyl compounds. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 5486-5489	2	38
203	Ligand-promoted reaction on silver nanoparticles: phosphine-promoted, silver nanoparticle-catalyzed cyclization of 2-(1-hydroxy-3-arylprop-2-ynyl)phenols. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 6722-6725	2	29
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199	Ruthenium-Catalyzed Oxidative Homo-Coupling of 2-Arylpyridines. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 2071-2074	5.6	56
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195	Low-valent indium as a catalyst for the allylation of ketones and N-acylhydrazones. <i>ChemSusChem</i> , <b>2009</b> , 2, 205-6	8.3	8
194	The copper-catalyzed decarboxylative coupling of the sp <sup>3</sup> -hybridized carbon atoms of alpha-amino acids. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 792-5	16.4	266
193	Iron-catalyzed three-component coupling of aldehyde, alkyne, and amine under neat conditions in air. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 2895-2898	2	101

192	Pybox ligand-promoted copper(I)-catalyzed three-component tandem coupling-annulation of terminal alkynes, amines and ortho-alkynylaryl aldehydes. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 6791-6794	2	31
191	Cross-dehydrogenative coupling (CDC): exploring C-C bond formations beyond functional group transformations. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 335-44	24.3	2261
190	Water-triggered, counter-anion-controlled, and silver-phosphines complex-catalyzed stereoselective cascade alkynylation/cyclization of terminal alkynes with salicylaldehydes. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 3378-83	4.2	43
189	Sc(OTf) <sub>3</sub> -catalyzed direct alkylation of quinolines and pyridines with alkanes. <i>Organic Letters</i> , <b>2009</b> , 11, 1171-4	6.2	145
188	Copper-catalyzed aerobic phosphonation of sp <sup>3</sup> C-H bonds. <i>Chemical Communications</i> , <b>2009</b> , 4124-6	5.8	214
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185	An olefination via ruthenium-catalyzed decarbonylative addition of aldehydes to terminal alkynes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 15092-3	16.4	100
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177	Efficient Direct Alkynylation of Trifluoromethyl Ketones Catalyzed by AgF in Water and Organic Solvents. <i>Synlett</i> , <b>2008</b> , 2008, 1571-1573	2.2	4
176	Functionalizing glycine derivatives by direct C-C bond formation. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7075-8	16.4	283
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154	Reactions of C-H bonds in water. <i>Chemical Reviews</i> , <b>2007</b> , 107, 2546-62	68.1	573
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149	On Water-Promoted Direct Coupling of Indoles with 1,4-Benzoquinones without Catalyst. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 869-873	3.2	78
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91	A highly regio- and stereoselective transition metal-catalyzed hydrosilylation of terminal alkynes under ambient conditions of air, water, and room temperature. <i>Chemical Communications</i> , <b>2003</b> , 1668	5.8	53
90	Direct formation of 2,4-disubstituted tetrahydropyrans in water mediated by an acidic solid resin. <i>Green Chemistry</i> , <b>2003</b> , 5, 80-81	10	7
89	Carbon-Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling of Aryl Halides in Air and Water. <i>Advanced Synthesis and Catalysis</i> , <b>2002</b> , 344, 399-405	5.6	41
88	Palladium-catalyzed coupling of aryl halides with arylhalosilanes in air and water. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 403-405	2	44
87	A highly stereoselective, novel coupling reaction between alkynes and aldehydes. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 1613-1615	2	81
86	Aldol reaction via in situ olefin migration in water. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 3589-3591	2	28
85	Direct formation of tetrahydropyrans via catalysis in ionic liquid. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 4993-4996	4.9	42

84	Gallium-mediated allylation of carbonyl compounds in water. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 5097-5099	2	55
83	Cu(I)Br mediated coupling of alkynes with N-acylimine and N-acyliminium ions in water. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 5731-5733	2	91
82	Rhodium-catalyzed reactions of arylbismuth and aryllead reagents with a chiral glyoxylate hydrate in air and water: water-promoted diastereoselectivity enhancement. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 7789-7791	2	16
81	InCl <sub>3</sub> -catalyzed domino reaction of aromatic amines with cyclic enol ethers in water: a highly efficient synthesis of new 1,2,3,4-tetrahydroquinoline derivatives. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 3969-71	4.2	97
80	Organic Reactions in Water and Other Alternative Media: Metal-Mediated Carbon-Carbon Bond Formations. <i>ACS Symposium Series</i> , <b>2002</b> , 178-190	0.4	4
79	Enantioselective direct-addition of terminal alkynes to imines catalyzed by copper(I)pybox complex in water and in toluene. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 5638-9	16.4	448
78	Chemosensors for Lead(II) and Alkali Metal Ions Based on Self-Assembling Fluorescence Enhancement (SAFE). <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 833-843	3.4	83
77	Highly efficient Grignard-type imine additions via C-H activation in water and under solvent-free conditions. <i>Chemical Communications</i> , <b>2002</b> , 268-9	5.8	233
76	Grignard type reaction via C-H bond activation in water. <i>Green Chemistry</i> , <b>2002</b> , 4, 39-41	10	95
75	Developing metal-mediated and catalyzed reactions in air and water. <i>Green Chemistry</i> , <b>2002</b> , 4, 1-4	10	32
74	Synthesis of alpha-amino acid derivatives and amines via activation of simple alkyl halides by zinc in water. <i>Chemical Communications</i> , <b>2002</b> , 2440-1	5.8	32
73	Novel chiral gallium Lewis acid catalysts with semi-crown ligands for aqueous asymmetric Mukaiyama aldol reactions. <i>Chemical Communications</i> , <b>2002</b> , 2994-5	5.8	40
72	Quasi-nature catalysis: developing C-C bond formations catalyzed by late transition metals in air and water. <i>Accounts of Chemical Research</i> , <b>2002</b> , 35, 533-8	24.3	209
71	Quasi-nature catalysis. Rhodium-catalyzed C-C bond formation in air and water. <i>Pure and Applied Chemistry</i> , <b>2001</b> , 73, 1315-1318	2.1	9
70	Synthesis of tetrahydropyran derivatives via a novel indium trichloride mediated cross-cyclization between epoxides and homoallyl alcohols. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 793-796	2	52
69	Rhodium catalyzed conjugated addition of unsaturated carbonyl compounds by triphenylbismuth in aqueous media and under an air atmosphere. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 781-784	2	76
68	The effects of aromatic and aliphatic anionic surfactants on Sc(OTf) <sub>3</sub> -catalyzed Mukaiyama aldol reaction in water. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 1803-1805	2	20
67	Quasi-nature catalysis: conjugated addition of unsaturated carbonyl compounds with aryl and vinyltin reagents catalyzed by rhodium in air and water. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 4459-4462	2	36

66	Rhodium-Catalyzed Conjugated Addition of Aryllead Reagents to $\beta,\beta$ -Unsaturated Carbonyl Compounds in Air and Water. <i>Synlett</i> , <b>2001</b> , 2001, 1470-1472	2.2	22
65	Novel synthesis of alpha-amino acids via catalysis in air and water. <i>Organic Letters</i> , <b>2001</b> , 3, 2037-9	6.2	45
64	Conjugate addition of arylsilanes to unsaturated carbonyl compounds catalyzed by rhodium in air and water. <i>Chemical Communications</i> , <b>2001</b> , 2348-9	5.8	57
63	Remarkable electronic effect on rhodium-catalyzed carbonyl additions and conjugated additions with arylmetallic reagents. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 7451-2	16.4	85
62	Diastereoselective synthesis of polysubstituted tetrahydropyrans and thiacyclohexanes via indium trichloride mediated cyclizations. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 739-47	4.2	100
61	Synthesis and Study of A Molecular Fluorescent Chemosensor For Potassium. <i>European Journal of Organic Chemistry</i> , <b>2000</b> , 2000, 387-389	3.2	14
60	A Fluorescent 18-Crown-6 Based Luminescence Sensor for Lanthanide Ions. <i>Tetrahedron</i> , <b>2000</b> , 56, 7045-7049	2.4	48
59	Calix[6]arene derivatives bearing sulfonate and alkyl groups as surfactants in Sc(OTf) <sub>3</sub> -catalyzed Mukaiyama aldol reactions in water. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 2529-2532	2	37
58	Synthesis of amino acids via a three-component reaction of phenols, glyoxylates and amines. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 6715-6719	2	30
57	Synthesis of $\beta$ -amino $\gamma$ -lactone via a novel tandem three-component reaction of alkenes, glyoxylates and amines. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 9747-9751	2	9
56	Diastereoselective synthesis of multisubstituted thiacyclohexanes via cationic olefin cyclizations. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 1321-1325	2	20
55	Diastereoselective Synthesis of 2,4-Disubstituted Tetrahydropyrans and Ethers via a Prins-Type Cyclization Catalyzed by Scandium Triflate. <i>Tetrahedron</i> , <b>2000</b> , 56, 2403-2411	2.4	51
54	The effect of crown-ether on the palladium-catalyzed Ullmann-type coupling mediated by zinc in air and water. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 4831-4834	2	48
53	The Greening of a Fundamental Reaction: Metal-Mediated Reactions in Water. <i>ACS Symposium Series</i> , <b>2000</b> , 74-86	0.4	1
52	Water as Solvent for Organic and Material Synthesis. <i>ACS Symposium Series</i> , <b>2000</b> , 62-73	0.4	2
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50	A novel caesium selective fluorescent chemosensor. <i>Chemical Communications</i> , <b>2000</b> , 695-696	5.8	33
49	Grignard-Type Carbonyl Phenylation in Water and under an Air Atmosphere. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 9538-9539	16.4	64

48	Eight-Membered Thiocycloether via Indium-Mediated Ring Enlargement. <i>Synlett</i> , <b>1999</b> , 1999, 735-736	2.2	6
47	Indium-Trichloride Mediated Synthesis of 4,4-Dichlorotetrahydropyrans. <i>Synlett</i> , <b>1999</b> , 1999, 717-718	2.2	21
46	IN AQUA SYNTHESIS OF A HIGH MOLECULAR WEIGHT ARYLETHYNYLENE POLYMER EXHIBITING REVERSIBLE HYDROGEL PROPERTIES. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>1999</b> , 36, 971-980	2.2	1
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44	Organic syntheses using indium-mediated and catalyzed reactions in aqueous media. <i>Tetrahedron</i> , <b>1999</b> , 55, 11149-11176	2.4	455
43	A Novel Stereoselective Cyclization to Functionalized Dihydropyrans. <i>Organic Letters</i> , <b>1999</b> , 1, 993-995	6.2	89
42	Aldehyde allylation. in liquid carbon dioxide. <i>Green Chemistry</i> , <b>1999</b> , 1, 265-268	10	7
41	Scandium triflate catalyzed in situ Prins-type cyclization: formations of 4-tetrahydropyrans and ethers. <i>Chemical Communications</i> , <b>1999</b> , 291-292	5.8	57
40	Magnesium-Mediated Carbon-Carbon Bond Formation in Aqueous Media: Barbier-Grignard Allylation and Pinacol Coupling of Aldehydes. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 3230-3236	4.2	113
39	Carbon-Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling in Air. <i>Organic Letters</i> , <b>1999</b> , 1, 1133-1135	6.2	98
38	A Highly Selective Fluorescent Chemosensor for K <sup>+</sup> from a Bis-15-Crown-5 Derivative. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 5599-5600	16.4	96
37	Carbon-Carbon Bond Formation via Palladium-Catalyzed Reductive Coupling in Air. <i>Organic Letters</i> , <b>1999</b> , 1, 1687-1687	6.2	2
36	Metal-mediated two-atom carbocycle enlargement in aqueous medium. <i>Tetrahedron</i> , <b>1998</b> , 54, 2347-2364	2.4	33
35	Ruthenium-catalyzed isomerization of homoallylic alcohols in water. <i>Tetrahedron</i> , <b>1998</b> , 54, 5129-5142	2.4	35
34	Model studies of (+)-bergenin: A convenient formation of aryl lactones. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 6837-6840	2	13
33	Stepwise synthesis and characterization of oligomers based on 1,1'-binaphthol with 3,3'-acetylene spacer. <i>Tetrahedron: Asymmetry</i> , <b>1998</b> , 9, 3693-3707		25
32	Metal-Mediated Barbier-Type Carbonyl Allylation Under Solvent-Free Conditions. <i>Synthetic Communications</i> , <b>1998</b> , 28, 2999-3009	1.7	35
31	In aqua synthesis of a high molecular weight arylethynylene polymer with reversible hydrogel properties. <i>Chemical Communications</i> , <b>1998</b> , 1351-1352	5.8	11

30	Regio- and Diastereoselective Allenylation of Aldehydes in Aqueous Media: Total Synthesis of (+)-Goniofufurone(1). <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 7472-7480	4.2	70
29	Mono-Alkylation of Diols Through Ruthenium-Catalyzed Reaction with Homoallyl Alcohols. <i>Synthetic Communications</i> , <b>1998</b> , 28, 507-515	1.7	10
28	Manganese-Mediated Carbon-Carbon Bond Formation in Aqueous Media: Chemoselective Allylation and Pinacol Coupling of Aryl Aldehydes. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 7498-7504	4.2	64
27	Magnesium in water: simple and effective for pinacol-coupling. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1998</b> , 3131-3132		19
26	Enantiomeric discrimination of chiral amines with new fluorescent chemosensors. <i>Chemical Communications</i> , <b>1998</b> , 1747-1748	5.8	23
25	Indium-mediated highly diastereoselective allenylation in aqueous medium: total synthesis of (+)-goniofufurone. <i>Chemical Communications</i> , <b>1998</b> , 449-450	5.8	27
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23	Palladium catalysed polymerization of aryl diiodides with acetylenegas in aqueous medium: a novel synthesis of areneethynylene polymers and oligomers. <i>Chemical Communications</i> , <b>1997</b> , 1569-1570	5.8	34
22	Manganese-Mediated Reactions in Aqueous Media: Chemoselective Allylation and Pinacol Coupling of Aryl Aldehydes. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 8632-8633	4.2	65
21	Highly Efficient Palladium-Catalyzed Coupling of Acetylene Gas with Aryl Iodides in Aqueous Medium. <i>Organic Process Research and Development</i> , <b>1997</b> , 1, 325-327	3.9	21
20	Indium mediated reactions in water: Synthesis of hydroxyl esters. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 4731-4734		20
19	Indium and zinc mediated one-atom carbocycle enlargement in water. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 4735-4736	2	28
18	Novel Carbocycle Enlargement in Aqueous Medium. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 4216-4217	16.4	62
17	Aqueous Barbier-Grignard type reaction: Scope, mechanism, and synthetic applications. <i>Tetrahedron</i> , <b>1996</b> , 52, 5643-5668	2.4	408
16	Synthesis of a bis-(binaphthol). <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 4459-4462	2	14
15	Trimethylenemethane dianion equivalent in aqueous medium. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 517-518	2	29
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13	Reshuffling of Functionalities Catalyzed by a Ruthenium Complex in Water. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 12867-12868	16.4	37

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11	Phosphine-Catalyzed Isomerization-Addition of Oxygen Nucleophiles to 2-Alkynoates. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 10819-10820	16.4	177
10	Novel "Umpolung" in C-C Bond Formation Catalyzed by Triphenylphosphine. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 3167-3168	16.4	183
9	A concise chemical synthesis of (+)-3-deoxy-D-glycero-D-galacto-nonulosonic acid (KDN). <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 747		109
8	Synthesis of (Z)-3-dodecenolide, the main aggregation pheromone from the flat grain beetle, <i>Cryptolestes Pusillus</i> Schöerr. <i>Chinese Journal of Chemistry</i> , <b>1989</b> , 7, 407-411		1
7	Asymmetric Synthesis Based on Catalytic Activation of C-H Bonds and C-C Bonds129-152		
6	Development of a Quinolinium/Cobaloxime Dual Photocatalytic System for Oxidative C-C Cross-Couplings via H <sub>2</sub> Release. <i>ACS Catalysis</i> ,14148-14158	13.1	8
5	Deoxygenative Functionalizations of Aldehydes, Ketones and Carboxylic Acids. <i>Angewandte Chemie</i> ,e2023112770	3.1	10
4	Carbon-Carbon bond formation and green chemistry: one dream and 30 years hence. <i>Canadian Journal of Chemistry</i> ,1-6	0.9	
3	Light-driven MPV-type reduction of aryl ketones/aldehydes to alcohols with isopropanol under mild conditions. <i>Green Chemistry</i> ,	10	3
2	Base-Promoted Catalyst-Free Regioselective Hydroacylation of Styrenes with Hydrazones via Carbanion Addition. <i>CCS Chemistry</i> ,1-10	7.2	1
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