

Nicholas E Leadbeater

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.

184
papers

7,908
citations

45
h-index

84
g-index

252
ext. papers

8,449
ext. citations

4.4
avg, IF

6.42
L-index

#	Paper	IF	Citations
184	Flow Chemistry as an Enabling Technology for Synthetic Organic Chemistry. <i>Methods in Pharmacology and Toxicology</i> , 2022 , 489-526	1.1	
183	2,2'-(1,4-Phenylene)bis(7-nitro-1H-benzimidazole 3-oxide). <i>MolBank</i> , 2021 , 2021, M1297	0.5	
182	Combining photoredox catalysis and oxoammonium cations for the oxidation of aromatic alcohols to carboxylic acids. <i>Tetrahedron Letters</i> , 2021 , 63, 152632	2	6
181	Using experimental and computational approaches to probe an unusual carbon-carbon bond cleavage observed in the synthesis of benzimidazole -oxides. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 208-215	3.9	2
180	Unexpected Metal-Free Dehydrogenation of a β -ketoester to a Phenol Using a Recyclable Oxoammonium Salt. <i>MolBank</i> , 2021 , 2021, M1180	0.5	1
179	Preparation of hexafluoroisopropyl esters by oxidative esterification of aldehydes using sodium persulfate. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2986-2990	3.9	0
178	Oxidative Amidation of Amines in Tandem with Transamidation: A Route to Amides Using Visible-Light Energy. <i>Journal of Organic Chemistry</i> , 2020 , 85, 9219-9229	4.2	11
177	C-H Functionalization of Amino Alcohols by Osmium Tetroxide/NMO or TPAP/NMO: Protecting Group-Free Synthesis of Indolizidines (1)-223AB and 3-epi-(1)-223AB. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 103-107	3.2	3
176	Probing the Effect of Counterions on the Oxidation of Alcohols Using Oxoammonium Salts. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 108-112	3.2	6
175	Oxidation of alcohols using an oxoammonium salt bearing the nitrate anion. <i>Tetrahedron Letters</i> , 2020 , 61, 151464	2	2
174	One-Pot Two-Step Synthesis of 2-Aryl benzimidazole -oxides Using Microwave Heating as a Tool. <i>Molecules</i> , 2019 , 24,	4.8	2
173	Visible-light-driven catalytic oxidation of aldehydes and alcohols to nitriles by 4-acetamido-TEMPO using ammonium carbamate as a nitrogen source. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 9182-9186	3.9	16
172	Catalytic Oxidation of Alcohols Using a 2,2,6,6-Tetramethylpiperidine-N-hydroxyammonium Cation. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 1413-1417	3.2	12
171	A methodology for the photocatalyzed radical trifluoromethylation of indoles: A combined experimental and computational study. <i>Journal of Fluorine Chemistry</i> , 2018 , 214, 94-100	2.1	13
170	Oxidation of β -trifluoromethyl and non-fluorinated alcohols via the merger of oxoammonium cations and photoredox catalysis. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 4715-4719	3.9	14
169	Combining Oxoammonium Cation Mediated Oxidation and Photoredox Catalysis for the Conversion of Aldehydes into Nitriles. <i>Synlett</i> , 2018 , 29, 2185-2190	2.2	8
168	Accessing N-Acyl Azoles via Oxoammonium Salt-Mediated Oxidative Amidation. <i>Organic Letters</i> , 2017 , 19, 1286-1289	6.2	14

167	Oxidation of terminal diols using an oxoammonium salt: a systematic study. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 2817-2822	3.9	12
166	Oxidative functionalisation of alcohols and aldehydes via the merger of oxoammonium cations and photoredox catalysis. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 8295-8301	3.9	13
165	An approach to the synthesis of 4-aryl and 5-aryl substituted thiazole-2(3H)-thiones employing flow processing. <i>RSC Advances</i> , 2016 , 6, 72165-72169	3.7	3
164	Oxidative Cleavage of Silyl Ethers by an Oxoammonium Salt. <i>Synlett</i> , 2016 , 27, 2372-2377	2.2	1
163	A benchtop NMR spectrometer as a tool for monitoring mesoscale continuous-flow organic synthesis: equipment interface and assessment in four organic transformations. <i>RSC Advances</i> , 2016 , 6, 101171-101177	3.7	14
162	Rules of Macrocycle Topology: A [13]-Macrolactone Case Study. <i>Chemistry - A European Journal</i> , 2016 , 22, 6001-11	4.8	9
161	A combined computational and experimental investigation of the oxidative ring-opening of cyclic ethers by oxoammonium cations. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 3883-8	3.9	11
160	Preparation of vinyl ethers using a Wittig approach, and their subsequent hydrogenation employing continuous-flow processing. <i>Tetrahedron Letters</i> , 2016 , 57, 1804-1806	2	7
159	Exploring the reactivity of a ruthenium complex in the metathesis of biorenewable feedstocks to generate value-added chemicals. <i>Journal of Organometallic Chemistry</i> , 2016 , 812, 74-80	2.3	17
158	Preparation of benzimidazole N-oxides by a two-step continuous flow process. <i>Chemistry of Heterocyclic Compounds</i> , 2016 , 52, 952-957	1.4	5
157	Oxidative cleavage of allyl ethers by an oxoammonium salt. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4255-9	3.9	14
156	Toward a Unified Mechanism for Oxoammonium Salt-Mediated Oxidation Reactions: A Theoretical and Experimental Study Using a Hydride Transfer Model. <i>Journal of Organic Chemistry</i> , 2015 , 80, 8150-674-2	4.2	33
155	Direct, rapid, solvent-free conversion of unactivated esters to amides using lithium hydroxide as a catalyst. <i>RSC Advances</i> , 2015 , 5, 93248-93251	3.7	9
154	The preparation of ethyl levulinate facilitated by flow processing: The catalyzed and uncatalyzed esterification of levulinic acid. <i>Journal of Flow Chemistry</i> , 2015 , 5, 148-150	3.3	16
153	Real-time Monitoring of Reactions Performed Using Continuous-flow Processing: The Preparation of 3-Acetylcoumarin as an Example. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	2
152	Synthesis of Perfluoroalkyl-Substituted Vinylcyclopropanes by Way of Enhanced Neighboring Group Participation. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 4071-4076	3.2	13
151	Access to Nitriles from Aldehydes Mediated by an Oxoammonium Salt. <i>Angewandte Chemie</i> , 2015 , 127, 4315-4319	3.6	17
150	Access to nitriles from aldehydes mediated by an oxoammonium salt. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4241-5	16.4	73

149	Ligand-Free SuzukiMiyaura Coupling Reactions Using an Inexpensive Aqueous Palladium Source: A Synthetic and Computational Exercise for the Undergraduate Organic Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2014 , 91, 1054-1057	2.4	36
148	Opening an Aladdin's cave: the Suzuki coupling in a room-temperature ionic liquid. <i>Chemical Communications</i> , 2014 , 50, 1515-8	5.8	19
147	Methylenation of perfluoroalkyl ketones using a Peterson olefination approach. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1145-55	4.2	33
146	Application of a new interface for rapid optimisation of bio-catalysed processes: proteolytic digestion and an enzyme-catalysed transesterification as examples. <i>New Journal of Chemistry</i> , 2014 , 38, 242-247	3.6	2
145	A Continuous-Flow Approach to 3,3,3-Trifluoromethylpropenes: Bringing Together Grignard Addition, Peterson Elimination, Inline Extraction, and Solvent Switching. <i>Organic Process Research and Development</i> , 2014 , 18, 1253-1258	3.9	30
144	Microwave-Assisted Synthesis: General Concepts. <i>Advances in Polymer Science</i> , 2014 , 1-44	1.3	2
143	1,3-Elimination in electron-deficient cationic systems. <i>Chemical Science</i> , 2014 , 5, 3983	9.4	11
142	9. Incorporation of continuous-flow processing into the undergraduate teaching laboratory: key concepts and two case studies 2014 , 259-276		
141	Microwave-assisted organic chemistry: monitoring reactions 2014 , 106-119		
140	Cleaner, Greener Approaches to Synthetic Chemistry 2013 , 19-39		
139	Microwave Heating and Continuous-Flow Processing as Tools for Metal-Catalyzed Couplings: Palladium-Catalyzed SuzukiMiyaura, Heck, and Alkoxyacylation Reactions 2013 , 279-297		1
138	Trifluoromethyl ketones: properties, preparation, and application. <i>Chemical Communications</i> , 2013 , 49, 11133-48	5.8	103
137	Microwave heating and conventionally-heated continuous-flow processing as tools for performing cleaner palladium-catalyzed decarboxylative couplings using oxygen as the oxidant a proof of principle study. <i>Green Processing and Synthesis</i> , 2013 , 2,	3.9	1
136	Tools for Monitoring Reactions Performed Using Microwave Heating 2013 , 347-376		2
135	Synthesis of 4-acetamido-2,2,6,6-tetramethylpiperidine-1-oxoammonium tetrafluoroborate and 4-acetamido-(2,2,6,6-tetramethyl-piperidin-1-yl)oxyl and their use in oxidative reactions. <i>Nature Protocols</i> , 2013 , 8, 666-76	18.8	84
134	Oxidative esterification of aldehydes using a recyclable oxoammonium salt. <i>Organic Letters</i> , 2013 , 15, 2222-5	6.2	33
133	Dehydrogenation of Perfluoroalkyl Ketones by Using a Recyclable Oxoammonium Salt. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3658-3661	3.2	21
132	Raman spectroscopy as a tool for monitoring mesoscale continuous-flow organic synthesis: Equipment interface and assessment in four medically-relevant reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 1843-52	2.5	28

131	Oxidation of trifluoromethyl alcohols using a recyclable oxoammonium salt. <i>Journal of Organic Chemistry</i> , 2012 , 77, 8131-41	4.2	52
130	A Weinreb amide approach to the synthesis of trifluoromethylketones. <i>Chemical Communications</i> , 2012 , 48, 9610-2	5.8	55
129	Continuous Flow Hydrogenation Using an On-Demand Gas Delivery Reactor. <i>Organic Process Research and Development</i> , 2012 , 16, 1064-1068	3.9	42
128	The central role of chemistry in 'quality by design' approaches to drug development. <i>Future Medicinal Chemistry</i> , 2012 , 4, 1799-810	4.1	4
127	Difference between ¹ H NMR signals of primary amide protons as a simple spectral index of the amide intramolecular hydrogen bond strength. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 287-295	2.1	28
126	Access to dienophilic ene-triketone synthons by oxidation of diketones with an oxoammonium salt. <i>Organic Letters</i> , 2012 , 14, 498-501	6.2	16
125	Development of methodologies for reactions involving gases as reagents: microwave heating and conventionally-heated continuous-flow processing as examples. <i>Green Processing and Synthesis</i> , 2012 , 1,	3.9	3
124	Preparation of Arene Chromium Tricarbonyl Complexes Using Continuous-Flow Processing: (β-C ₆ H ₅ CH ₃)Cr(CO) ₃ as an Example. <i>Journal of Flow Chemistry</i> , 2012 , 2, 115-117	3.3	4
123	Copper-catalyzed direct preparation of diaryl sulfides from aryl iodides using potassium thiocyanate as a sulfur transfer reagent. <i>Tetrahedron Letters</i> , 2011 , 52, 4587-4589	2	19
122	Preparation of cisplatin using microwave heating and continuous-flow processing as tools. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 481-483	3.1	12
121	Continuous-flow, palladium-catalysed alkoxycarbonylation reactions using a prototype reactor in which it is possible to load gas and heat simultaneously. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6575-8	3.9	49
120	A Continuous-Flow Approach to Palladium-Catalyzed Alkoxycarbonylation Reactions. <i>Organic Process Research and Development</i> , 2011 , 15, 717-720	3.9	35
119	Pathways for cyclizations of hydrazine-derived 2-(2-cyanovinyl)-3-oxo-cyclohex-1-ene enolates. <i>Tetrahedron</i> , 2011 , 67, 2934-2941	2.4	8
118	An approach for continuous-flow processing of reactions that involve the in situ formation of organic products. <i>Tetrahedron Letters</i> , 2011 , 52, 263-265	2	32
117	Probing the energy efficiency of microwave heating and continuous-flow conventional heating as tools for organic chemistry. <i>Arkivoc</i> , 2011 , 2011, 127-143	0.9	8
116	A Convenient Methodology for Nitro-Michael Addition of Carbonyl Compounds Catalyzed by L-Proline Using Microwave Heating. <i>Letters in Organic Chemistry</i> , 2010 , 7, 98-102	0.6	5
115	Titanium-catalyzed esterification and transesterification reactions facilitated using microwave heating. <i>Future Medicinal Chemistry</i> , 2010 , 2, 225-30	4.1	4
114	Exploring the Scope for Scale-Up of Organic Chemistry Using a Large Batch Microwave Reactor. <i>Organic Process Research and Development</i> , 2010 , 14, 205-214	3.9	56

113	Copper-catalyzed direct preparation of phenols from aryl halides. <i>Catalysis Communications</i> , 2010 , 12, 64-66	3.2	31
112	In situ reaction monitoring of microwave-mediated reactions using IR spectroscopy. <i>Chemical Communications</i> , 2010 , 46, 6693-5	5.8	24
111	Development of Methodologies for Copper-Catalyzed C–O Bond Formation and Direct Cyanation of Aryl Iodides. <i>Topics in Catalysis</i> , 2010 , 53, 1073-1080	2.3	11
110	Ligand-free CuI-catalyzed cyanation of aryl halides using K ₄ [Fe(CN) ₆] as cyanide source and water as solvent. <i>Tetrahedron</i> , 2010 , 66, 1098-1101	2.4	62
109	Use of a silicon carbide multi-well plate in conjunction with microwave heating for rapid ligand synthesis, formation of palladium complexes, and catalyst screening in a Suzuki coupling. <i>Tetrahedron Letters</i> , 2009 , 50, 2851-2853	2	18
108	A fast and easy approach to the synthesis of Zeise's salt using microwave heating. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 341-342	3.1	6
107	Pilot Scale Two-phase Continuous Flow Biodiesel Production via Novel Laminar Flow Reactor/Separator. <i>Energy & Fuels</i> , 2009 , 23, 2750-2756	4.1	30
106	Application of a Batch Microwave Unit for Scale-Up of Alkoxyacylation Reactions Using a Near-Stoichiometric Loading of Carbon Monoxide. <i>Organic Process Research and Development</i> , 2009 , 13, 634-637	3.9	33
105	Palladium-catalyzed synthesis of diarylmethanes: exploitation of carbanionic leaving groups. <i>Organic Letters</i> , 2009 , 11, 2575-8	6.2	33
104	Assessment and use of two silicon carbide multi-well plates for library synthesis and proteolytic digests using microwave heating. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2452-7	3.9	8
103	Testing the validity of microwave-interfaced, in situ Raman spectroscopy as a tool for kinetic studies. <i>Organic Letters</i> , 2009 , 11, 365-8	6.2	25
102	Microwave Heating in Conjunction with UV Irradiation: a Tool for the Oxidation of 1,4-Dihydropyridines to Pyridines. <i>Australian Journal of Chemistry</i> , 2009 , 62, 51	1.2	15
101	Probing "microwave effects" using Raman spectroscopy. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3842-6	3.9	52
100	Use of Raman spectroscopy as a tool for in situ monitoring of microwave-promoted reactions. <i>Nature Protocols</i> , 2008 , 3, 1-7	18.8	66
99	Batch and Continuous-Flow Preparation of Biodiesel Derived from Butanol and Facilitated by Microwave Heating. <i>Energy & Fuels</i> , 2008 , 22, 2005-2008	4.1	55
98	Preparation of Ruthenium and Osmium Carbonyl Complexes Using Microwave Heating: Demonstrating the Use of a Gas-Loading Accessory and Real-Time Reaction Monitoring by Means of a Digital Camera. <i>Organometallics</i> , 2008 , 27, 1254-1258	3.8	26
97	Approaches for Scale-Up of Microwave-Promoted Reactions. <i>Organic Process Research and Development</i> , 2008 , 12, 41-57	3.9	94
96	Microwave-promoted insertion of Group 10 metals into free base porphyrins and chlorins: scope and limitations. <i>Dalton Transactions</i> , 2008 , 1341-5	4.3	45

95	Preparation of nonsymmetrically substituted stilbenes in a one-pot two-step heck strategy using ethene as a reagent. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3854-8	4.2	40
94	Palladium-catalyzed decarboxylative coupling of aromatic acids with aryl halides or unactivated arenes using microwave heating. <i>Chemical Communications</i> , 2008 , 6312-4	5.8	223
93	Microwave-Promoted Desulfurization of Heavy and Sulfur-Containing Crude Oil. <i>Energy & Fuels</i> , 2008 , 22, 1836-1839	4.1	32
92	Scale-Up of Microwave-Promoted Reactions to the Multigram Level Using a Sealed-Vessel Microwave Apparatus. <i>Organic Process Research and Development</i> , 2008 , 12, 1078-1088	3.9	46
91	Use of Raman spectroscopy as an in situ tool to obtain kinetic data for organic transformations. <i>Chemistry - A European Journal</i> , 2008 , 14, 9943-50	4.8	33
90	Watching microwave-promoted chemistry: reaction monitoring using a digital camera interfaced with a scientific microwave apparatus. <i>Tetrahedron Letters</i> , 2008 , 49, 195-198	2	27
89	Palladium-catalyzed cyanation of aryl halides using K ₄ [Fe(CN) ₆] as cyanide source, water as solvent, and microwave heating. <i>Tetrahedron Letters</i> , 2008 , 49, 4693-4694	2	72
88	Alkoxyacylation of aryl iodides using gaseous carbon monoxide and pre-pressurized reaction vessels in conjunction with microwave heating. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 65-8	3.9	50
87	Microwave energy: a versatile tool for the biosciences. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 1141-50	3.50	171
86	Microwave-Promoted Esterification Reactions: Optimization and Scale-Up. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 473-477	4.8	30
85	Use of a scientific microwave apparatus for rapid optimization of reaction conditions in a monomode function and then substrate screening in a multimode function. <i>Tetrahedron</i> , 2007 , 63, 6764-6773	2.473	34
84	Continuous-Flow Preparation of Biodiesel Using Microwave Heating. <i>Energy & Fuels</i> , 2007 , 21, 1777-1781	4.181	176
83	Alkoxyacylation Reactions Performed Using Near-Stoichiometric Quantities of CO. <i>Synlett</i> , 2007 , 2007, 2006-2010	2.2	6
82	Probing the effects of microwave irradiation on enzyme-catalysed organic transformations: the case of lipase-catalysed transesterification reactions. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 1052-5	3.9	45
81	Using in situ Raman monitoring as a tool for rapid optimisation and scale-up of microwave-promoted organic synthesis: esterification as an example. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 822-5	3.9	27
80	In situ Raman spectroscopy as a probe for the effect of power on microwave-promoted Suzuki coupling reactions. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 2770-4	3.9	27
79	Microwave Assisted Organic Synthesis. Herausgegeben von Jason Tierney und Pelle Lidström. <i>Angewandte Chemie</i> , 2006 , 118, 1708-1709	3.6	
78	Microwaves in Organic and Medicinal Chemistry. Methods and Principles in Medicinal Chemistry, Bd. 25. Von C. Oliver Kappe und Alexander Stadler. <i>Angewandte Chemie</i> , 2006 , 118, 1707-1708	3.6	

77	Solvent-Free, Open-Vessel Microwave-Promoted Heck Couplings: From the mmol to the mol Scale. <i>Synlett</i> , 2006 , 2006, 2953-2958	2.2	24
76	Microwave-Promoted Hydroxycarbonylation in Water Using Gaseous Carbon Monoxide and Pre-Pressurized Reaction Vessels. <i>Synlett</i> , 2006 , 2006, 1663-1666	2.2	6
75	Real-time monitoring of microwave-promoted organometallic ligand-substitution reactions using in situ Raman spectroscopy. <i>Chemical Communications</i> , 2006 , 3615-6	5.8	31
74	Open-Vessel Microwave-Promoted Suzuki Reactions Using Low Levels of Palladium Catalyst: Optimization and Scale-Up. <i>Organic Process Research and Development</i> , 2006 , 10, 833-837	3.9	60
73	Real-time monitoring of microwave-promoted Suzuki coupling reactions using in situ Raman spectroscopy. <i>Organic Letters</i> , 2006 , 8, 4589-91	6.2	40
72	Direct conversion of aryl halides to phenols using high-temperature or near-critical water and microwave heating. <i>Tetrahedron</i> , 2006 , 62, 4728-4732	2.4	53
71	Microwaves in organic chemistry. <i>Tetrahedron</i> , 2006 , 62, 4633	2.4	3
70	Microwave-promoted Suzuki coupling reactions with organotrifluoroborates in water using ultra-low catalyst loadings. <i>Tetrahedron Letters</i> , 2006 , 47, 217-220	2	78
69	The application of organic bases in microwave-promoted Suzuki coupling reactions in water. <i>Tetrahedron Letters</i> , 2006 , 47, 1909-1912	2	45
68	Fast, easy, solvent-free, microwave-promoted Michael addition of anilines to α,β -unsaturated alkenes: synthesis of N-aryl functionalized β -amino esters and acids. <i>Tetrahedron Letters</i> , 2006 , 47, 8583-8586	2.3	35
67	Fast, Easy Preparation of Biodiesel Using Microwave Heating. <i>Energy & Fuels</i> , 2006 , 20, 2281-2283	4.1	129
66	Suzuki coupling of aryl chlorides with phenylboronic acid in water, using microwave heating with simultaneous cooling. <i>Organic Letters</i> , 2005 , 7, 2101-4	6.2	223
65	Microwave-promoted Heck coupling using ultralow metal catalyst concentrations. <i>Journal of Organic Chemistry</i> , 2005 , 70, 1786-90	4.2	108
64	A reassessment of the transition-metal free suzuki-type coupling methodology. <i>Journal of Organic Chemistry</i> , 2005 , 70, 161-8	4.2	325
63	Automated batch scale-up of microwave-promoted Suzuki and Heck coupling reactions in water using ultra-low metal catalyst concentrations. <i>Tetrahedron</i> , 2005 , 61, 9349-9355	2.4	84
62	Fast, easy, clean chemistry by using water as a solvent and microwave heating: the Suzuki coupling as an illustration. <i>Chemical Communications</i> , 2005 , 2881-902	5.8	351
61	An assessment of the technique of simultaneous cooling in conjunction with microwave heating for organic synthesis. <i>Tetrahedron</i> , 2005 , 61, 3565-3585	2.4	76
60	Microwave-promoted organic synthesis using ionic liquids: a mini review. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004 , 7, 511-28	1.3	64

59	Microwave-assisted Mannich-type three-component reactions. <i>Molecular Diversity</i> , 2003 , 7, 135-44	3.1	53
58	Rapid, easy cyanation of aryl bromides and chlorides using nickel salts in conjunction with microwave promotion. <i>Journal of Organic Chemistry</i> , 2003 , 68, 9122-5	4.2	98
57	Rapid and amenable Suzuki coupling reaction in water using microwave and conventional heating. <i>Journal of Organic Chemistry</i> , 2003 , 68, 888-92	4.2	216
56	Rapid cyanation of aryl iodides in water using microwave promotion. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 1119-21	3.9	38
55	Titelbild: Transition-Metal-Free Suzuki-Type Coupling Reactions (Angew. Chem. 12/2003). <i>Angewandte Chemie</i> , 2003 , 115, 1357-1357	3.6	
54	Transition-Metal-Free Suzuki-Type Coupling Reactions. <i>Angewandte Chemie</i> , 2003 , 115, 1445-1447	3.6	34
53	Cover Picture: Transition-Metal-Free Suzuki-Type Coupling Reactions (Angew. Chem. Int. Ed. 12/2003). <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1319-1319	16.4	
52	Transition-metal-free Suzuki-type coupling reactions. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1407-9	16.4	165
51	Rapid, easy copper-free Sonogashira couplings using aryl iodides and activated aryl bromides. <i>Tetrahedron Letters</i> , 2003 , 44, 8653-8656	2	109
50	Ligand-free palladium catalysis of aryl coupling reactions facilitated by grinding. <i>Tetrahedron Letters</i> , 2003 , 44, 765-768	2	90
49	Ionic liquids as reagents and solvents in conjunction with microwave heating: rapid synthesis of alkyl halides from alcohols and nitriles from aryl halides. <i>Tetrahedron</i> , 2003 , 59, 2253-2258	2.4	70
48	Preparation of Resin-Bound Metal Carbonyl Reagents and Preliminary Demonstration of Their Use. <i>Organometallics</i> , 2003 , 22, 4167-4169	3.8	13
47	Transition-metal-free Suzuki-type coupling reactions: scope and limitations of the methodology. <i>Journal of Organic Chemistry</i> , 2003 , 68, 5660-7	4.2	134
46	First examples of transition-metal free Sonogashira-type couplings. <i>Organic Letters</i> , 2003 , 5, 3919-22	6.2	109
45	Ionic liquids and their heating behaviour during microwave irradiation: a state of the art report and challenge to assessment. Letter and reply. <i>Green Chemistry</i> , 2003 , 5, 677	10	4
44	Polymer-bound 1-aryl-3-alkyltriazenes as modular ligands for catalysis. Part 2: screening immobilized metal complexes for catalytic activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 1849-51	2.9	19
43	Facile synthesis of polymer-supported cyclopentadienes. <i>Tetrahedron Letters</i> , 2002 , 43, 691-693	2	9
42	Polymer-bound 1-aryl-3-alkyltriazenes as modular ligands for catalysis. Part 1: synthesis and metal coordination. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 1845-8	2.9	13

41	Ligand-free palladium catalysis of the Suzuki reaction in water using microwave heating. <i>Organic Letters</i> , 2002 , 4, 2973-6	6.2	287
40	Polymer-supported metal-phosphine complexes for use as catalysts or linkers in medically-oriented organic synthesis. <i>Current Medicinal Chemistry</i> , 2002 , 9, 2147-71	4.3	11
39	A study of the ionic liquid mediated microwave heating of organic solvents. <i>Journal of Organic Chemistry</i> , 2002 , 67, 3145-8	4.2	242
38	Preparation of polymer-supported ligands and metal complexes for use in catalysis. <i>Chemical Reviews</i> , 2002 , 102, 3217-73	68.1	875
37	Microencapsulated VO(acac) ₂ : preparation and use in allylic alcohol epoxidation. <i>Organic Letters</i> , 2002 , 4, 1519-21	6.2	41
36	The tetramethylguanidine catalyzed Baylis-Hillman reaction: Effects of co-catalysts and alcohol solvents on reaction rate. <i>Catalysis Communications</i> , 2002 , 3, 449-452	3.2	21
35	Preparation of a resin-bound ruthenium phosphine complex and assessment of its use in transfer hydrogenation and hydrocarbon oxidation. <i>Journal of Organic Chemistry</i> , 2001 , 66, 2168-70	4.2	26
34	Synthesis and studies of the relative stabilities of Ru(CO) ₄ (η -olefin) complexes. <i>Inorganic Chemistry Communication</i> , 2001 , 4, 395-397	3.1	3
33	Development of catalysts for the Baylis-Hillman reaction: the application of tetramethylguanidine and attempts to use a supported analogue. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001 , 2831-2835		24
32	THE CRYSTAL AND MOLECULAR STRUCTURE OF Ru ₃ (CO) ₉ (PPh ₃) ₃ . <i>Journal of Coordination Chemistry</i> , 2001 , 53, 311-316	1.6	4
31	Preparation of resin-bound amine N-oxides and demonstration of their use in synthetic carbonyl cluster chemistry. <i>Chemical Communications</i> , 2001 , 599-600	5.8	6
30	Bis-cyclopentadienyl nickel (nickelocene): a convenient starting material for reactions catalyzed by Ni(0) phosphine complexes. <i>Journal of Organic Chemistry</i> , 2001 , 66, 7539-41	4.2	33
29	Palladium and nickel catalysed Suzuki cross-coupling of sterically hindered aryl bromides with phenylboronic acid. <i>Tetrahedron Letters</i> , 2000 , 41, 2487-2490	2	39
28	A study of the photochemistry and thermal chemistry of Ru ₃ (CO) ₉ (PR ₃) ₃ {R = Ph, OMe} with two-electron donor ligands. <i>Transition Metal Chemistry</i> , 2000 , 25, 99-107	2.1	3
27	Preparation of a resin-bound arene-ruthenium complex and assessment of its use in enol formate synthesis and olefin cyclopropanation. <i>Journal of Organic Chemistry</i> , 2000 , 65, 3231-2	4.2	47
26	Preparation of a resin-bound cobalt phosphine complex and assessment of its use in catalytic oxidation and acid anhydride synthesis. <i>Journal of Organic Chemistry</i> , 2000 , 65, 4770-2	4.2	27
25	The use of Ni(CO) ₂ (PPh ₃) ₂ in aryl and pyridyl coupling reactions. <i>Tetrahedron Letters</i> , 1999 , 40, 4243-4246		24
24	Suzuki aryl couplings mediated by phosphine-free nickel complexes. <i>Tetrahedron</i> , 1999 , 55, 11889-11894	4.4	52

23	The photochemical synthesis of organometallic molecular squares. <i>Inorganic Chemistry Communication</i> , 1999 , 2, 93-94	3.1	5
22	Enlightening organometallic chemistry: the photochemistry of Fe(CO) ₅ and the reaction chemistry of unsaturated iron carbonyl fragments. <i>Coordination Chemistry Reviews</i> , 1999 , 188, 35-70	23.2	51
21	Control of the photochemistry of Ru ₃ (CO) ₁₂ and Os ₃ (CO) ₁₂ by variation of the solvent. <i>Journal of Organometallic Chemistry</i> , 1999 , 573, 211-216	2.3	15
20	Photochemically Generated Organometallic Molecular Square Complexes. <i>Inorganic Chemistry</i> , 1999 , 38, 4149-4151	5.1	13
19	Photochemical Synthesis of Organometallic Oligomers of Defined Composition and Length. <i>Macromolecules</i> , 1999 , 32, 4450-4453	5.5	3
18	The use of photogenerated intermediates in the study of cluster build-up reactions: the generation of Ru ₆ C(CO) ₁₇ from Ru ₃ (CO) ₁₂ . <i>Inorganica Chimica Acta</i> , 1998 , 278, 250-252	2.7	3
17	The Photochemistry of M ₃ (CO) ₁₂ (M = Ru, Os) with Pyrazole and Its Substituted Derivatives. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 1479-1483	2.3	5
16	The photochemistry of Ru ₃ (CO) ₁₂ with HX {X = Cl, Br, I} and the reaction chemistry of H ₂ Ru ₃ (CO) ₁₀ with allyl halides. <i>Polyhedron</i> , 1998 , 17, 1755-1758	2.7	2
15	Photochemistry of Os ₃ (CO) ₁₂ with AuPPh ₃ Cl: synthesis and structural characterisation of (μ-AuPPh ₃)(μ-Cl)Os ₃ (CO) ₁₀ . <i>New Journal of Chemistry</i> , 1998 , 22, 787-788	3.6	9
14	A High Yield Route to Ruthenaboranes. <i>Organometallics</i> , 1998 , 17, 5913-5915	3.8	3
13	Organometallic Photochemistry: The Study of Short-Lived Intermediates. <i>Comments on Inorganic Chemistry</i> , 1998 , 20, 57-82	3.9	2
12	The photochemical generation of heterobimetallic complexes containing carbon disulfide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 4579-4586		6
11	Photochemistry of [Ru ₃ (CO) ₁₂] with nitrogenheterocycles. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 2511-2516		24
10	Photochemistry of [Ru(CO) ₅] with nitrogen heterocycles. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 2997-3004		9
9	A study of substitution pathways in mononuclear ruthenium organometallic complexes by photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997 , 106, 67-74	4.7	6
8	The photochemical generation and some exploratory reactions of the novel di-hydrido tri-ruthenium cluster (H ₂ Ru ₃ (CO) ₁₀). <i>Journal of Organometallic Chemistry</i> , 1997 , 543, 251-253	2.3	14
7	The synthesis of novel neutral mononuclear ruthenium fragments for cluster capping reactions and their reactivity. <i>Journal of Organometallic Chemistry</i> , 1997 , 545-546, 567-572	2.3	8
6	The photochemical generation of novel neutral mononuclear ruthenium complexes and their reactivity. <i>Journal of Organometallic Chemistry</i> , 1995 , 503, 15-20	2.3	18

5	Dalton perspectives. The generation and reactivity of versatile ruthenium carbonyl organometallic intermediates by cluster photochemistry. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 2923	24
4	Reaction chemistry of alkynes with the tris(acetonitrile)-ruthenium cluster [Ru ₃ (CO) ₉ (MeCN) ₃]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 3785	11
3	Dimeric antimony complexes capturing dimethylamine as a neutral donor; syntheses and structural characterisation of [SbCl ₂ (NHMe ₂)(μ -OEt)] ₂ and [SbCl(NHMe ₂)(μ -NBut)] ₂ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 1479-1482	22
2	Tricyclohexylphosphine1-12	
1	Microwaves and Ionic Liquids327-361	6