Parthasarathy Gandeepan

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.

236 papers	16,268 citations	72 h-index	118 g-index
268 ext. papers	18,165 ext. citations	8.1 avg, IF	7.41 L-index

#	Paper	IF	Citations
236	High performance non-doped green organic light emitting diodes via delayed fluorescence. *Journal of Materials Chemistry C*, **2021**, 9, 15583-15590	7.1	1
235	Constitutional isomers of carbazole–benzoyl-pyrimidine-based thermally activated delayed fluorescence emitters for efficient OLEDs. *Journal of Materials Chemistry C*, **2021**, 9, 15900-15909	7.1	0
234	Functional Pyrene-Pyridine-Integrated Hole-Transporting Materials for Solution-Processed OLEDs with Reduced Efficiency Roll-Off. *ACS Omega*, **2021**, 6, 10515-10526	3.9	1
233	Transition-Metal-Catalyzed Reactions Involving Arynes and Related Chemistry **2021**, 183-266		
232	Copper catalysis for saturated N-heterocycles via C–H functionalization **2021**, 363-398		
231	Triarylamine-Pyridine-Carbonitriles for Organic Light-Emitting Devices with EQE Nearly 40. *Advanced Materials*, **2021**, 33, e2008032	24	28
230	Photoredox catalysis in nickel-catalyzed C-H functionalization. *Beilstein Journal of Organic Chemistry*, **2021**, 17, 2209-2259	2.5	5
229	3d metallaelectrocatalysis for resource economical syntheses. *Chemical Society Reviews*, **2020**, 49, 4254-4272	38.5	73
228	Synthesis of Quinolinium Salts from N-Substituted Anilines, Aldehydes, Alkynes, and Acids: Theoretical Understanding of the Mechanism and Regioselectivity. *European Journal of Organic Chemistry*, **2020**, 2020, 2116-2129	3.2	0
227	Diboron-Based Delayed Fluorescent Emitters with Orange-to-Red Emission and Superior Organic Light-Emitting Diode Efficiency. *ACS Applied Materials & Interfaces*, **2020**, 12, 23199-23206	9.5	29
226	High-performing D–A–D benzothiadiazole-based hybrid local and charge-transfer emitters in solution-processed OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 17009-17015	7.1	9
225	Transition-Metal-Free Tandem Cyclization/-Arylation Reaction: A Method To Access Biaryl Sultam Derivatives via a Diradical Pathway. *Organic Letters*, **2020**, 22, 6623-6627	6.2	6
224	Diastereoselective Formation of Alkenes Through C(sp 2)?H Bond Activation **2019**, 239-274		2
223	Fe-catalyzed hydrohalogenative cyclization of cyclohexadienone-containing enynes. *Journal of the Chinese Chemical Society*, **2019**, 66, 1221-1226	1.5	1
222	ReI-Catalyzed highly regio- and stereoselective C–H addition to terminal and internal alkynes. *Organic Chemistry Frontiers*, **2019**, 6, 432-436	5.2	9
221	Reaching Green: Heterocycle Synthesis by Transition Metal-Catalyzed C-H Functionalization in Sustainable Medium. *Chemistry - A European Journal*, **2019**, 25, 9366-9384	4.8	32
220	Sichtbares Licht ermöglicht Ruthenium-katalysierte meta-C-H-Alkylierung bei Raumtemperatur. *Angewandte Chemie*, **2019**, 131, 9925-9930	3.6	22

219	Visible-Light-Enabled Ruthenium-Catalyzed meta-C-H Alkylation at Room Temperature. *Angewandte Chemie - International Edition*, **2019**, 58, 9820-9825	16.4	83
218	Pyridine-Carbonitrile-Carbazole-Based Delayed Fluorescence Materials with Highly Congested Structures and Excellent OLED Performance. *ACS Applied Materials & Interfaces*, **2019**, 11, 21042-21048	8.5	23
217	Exciplex Organic Light-Emitting Diodes with Nearly 20% External Quantum Efficiency: Effect of Intermolecular Steric Hindrance between the Donor and Acceptor Pair. *ACS Applied Materials & Interfaces*, **2019**, 11, 19294-19300	9.5	23
216	Quinolinylmethanone-Based Thermally Activated Delayed Fluorescence Emitters and the Application in OLEDs: Effect of Intramolecular H-Bonding. *ACS Applied Materials & Interfaces*, **2019**, 11, 17128-17133	9.5	21
215	Resource Economy by Metallaelectrocatalysis: Merging Electrochemistry and C H Activation. *Trends in Chemistry*, **2019**, 1, 63-76	14.8	132
214	Biomass-Derived Solvents for Sustainable Transition Metal-Catalyzed C H Activation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 8023-8040	8.3	65
213	Steric Switching for Thermally Activated Delayed Fluorescence by Controlling the Dihedral Angles between Donor and Acceptor in Organoboron Emitters. *ACS Applied Materials & Interfaces*, **2019**, 11, 10768-10776	9.5	30
212	Effects of intramolecular hydrogen bonding on the conformation and luminescence properties of dibenzoylpyridine-based thermally activated delayed fluorescence materials. *Journal of Materials Chemistry C*, **2019**, 7, 13104-13110	7.1	9
211	Co(III)-Catalyzed [4+1] Annulation of Amides with Allenes via C H Activation. *Advanced Synthesis and Catalysis*, **2019**, 361, 1140-1145	5.6	21
210	Visible-Light-Induced Decarboxylative C H Adamantylation of Azoles at Ambient Temperature. *Synthesis*, **2019**, 51, 1284-1292	2.9	22
209	3d Transition Metals for C-H Activation. *Chemical Reviews*, **2019**, 119, 2192-2452	68.1	1073
208	Diboron compound-based organic light-emitting diodes with high efficiency and reduced efficiency roll-off. *Nature Photonics*, **2018**, 12, 235-240	33.9	466
207	C4-H indole functionalisation: precedent and prospects. *Chemical Science*, **2018**, 9, 4203-4216	9.4	97
206	Rhenium(I)-Catalyzed ortho-C-H Addition to Bicyclic Alkenes. *Chemistry - an Asian Journal*, **2018**, 13, 1664-1668	4.5	17
205	Fickle Reactivity of Allenes in Transition-Metal-Catalyzed C H Functionalizations. *Asian Journal of Organic Chemistry*, **2018**, 7, 1151-1163	3	43
204	Quantum Dots: Perovskite Quantum Dots with Near Unity Solution and Neat-Film Photoluminescent Quantum Yield by Novel Spray Synthesis (Adv. Mater. 7/2018). *Advanced Materials*, **2018**, 30, 1870048	24	4
203	Synthesis of 1,2-Dihydroquinolines by Co(III)-Catalyzed [3 + 3] Annulation of Anilides with Benzylallenes. *ACS Catalysis*, **2018**, 8, 1880-1883	13.1	46
202	Transient Directing Groups for Transformative C H Activation by Synergistic Metal Catalysis. *CheM*, **2018**, 4, 199-222	16.2	392

201	Perovskite Quantum Dots with Near Unity Solution and Neat-Film Photoluminescent Quantum Yield by Novel Spray Synthesis. *Advanced Materials*, **2018**, 30, 1705532	24	61
200	Isomerization Reaction of mer- to fac-Tris(2-phenylpyridinato-N,C2′)iridium(III) Monitored by Using Surface-Enhanced Raman Spectroscopy. *Inorganic Chemistry*, **2018**, 57, 4448-4455	5.1	5
199	Recent Advances in the Synthesis of Quaternary Ammonium Salts via Transition-Metal-Catalyzed C?H Bond Activation. *Journal of the Chinese Chemical Society*, **2018**, 65, 11-23	1.5	22
198	Cobalt-Catalyzed Annulation Reactions via C–H Bond Activation. *ChemCatChem*, **2018**, 10, 683-705	5.2	105
197	Controlled Synthesis of Enantioselective 1-Aminoindenes via Cobalt-Catalyzed [3 + 2] Annulation Reaction. *ACS Catalysis*, **2018**, 8, 9364-9369	13.1	16
196	Impact of the Valence Charge of Transition Metals on the Cobalt- and Rhodium-Catalyzed Synthesis of Indenamines, Indenols, and Isoquinolinium Salts: A Catalytic Cycle Involving M/M [M = Co, Rh] for [4 + 2] Annulation. *Journal of Organic Chemistry*, **2018**, 83, 7814-7824	4.2	6
195	Nickel-Catalyzed Denitrogenative Annulation of 1,2,3-Benzotriazin-4-(3H)-ones with Benzynes for Construction of Phenanthridinone Scaffolds. *Advanced Synthesis and Catalysis*, **2018**, 360, 284-289	5.6	27
194	Organometallic Chelation-Assisted C–H Functionalization **2018**, 391-423		2
193	Nickel-Catalyzed Denitrogenative ortho-Arylation of Benzotriazinones with Organic Boronic Acids: an Efficient Route to Losartan and Irbesartan Drug Molecules. *Advanced Synthesis and Catalysis*, **2018**, 360, 4784-4789	5.6	11
192	Enabling a 6.5% External Quantum Efficiency Deep-Blue Organic Light-Emitting Diode with a Solution-Processable Carbazole-Based Emitter. *Journal of Physical Chemistry C*, **2018**, 122, 24295-24303	3.8	18
191	Synthesis of Trisubstituted Acrylic Acids through Nickel-Catalyzed Carbomagnesiation of Alkynes and Carbon Dioxide Fixation. *European Journal of Organic Chemistry*, **2018**, 2018, 6924-6928	3.2	3
190	Hydroarylations by cobalt-catalyzed C-H activation. *Beilstein Journal of Organic Chemistry*, **2018**, 14, 2266-2288	2.5	29
189	Molecular Design of Highly Efficient Thermally Activated Delayed Fluorescence Hosts for Blue Phosphorescent and Fluorescent Organic Light-Emitting Diodes. *Chemistry of Materials*, **2017**, 29, 1527-1537	9.6	73
188	Facile one-pot synthesis of 2,3-dihydro-1H-indolizinium derivatives by rhodium(iii)-catalyzed intramolecular oxidative annulation via C-H activation: application to ficuseptine synthesis. *Chemical Communications*, **2017**, 53, 2491-2494	5.8	20
187	Thermally activated delayed fluorescence emitters with a m,m-di-tert-butyl-carbazolyl benzoylpyridine core achieving extremely high blue electroluminescence efficiencies. *Journal of Materials Chemistry C*, **2017**, 5, 2919-2926	7.1	42
186	Nickel-catalyzed highly chemo- and stereoselective borylative cyclization of 1,6-enynes with bis(pinacolato)diboron. *Organic Chemistry Frontiers*, **2017**, 4, 1615-1619	5.2	14
185	Photo-induced copper-catalyzed C-H chalcogenation of azoles at room temperature. *Chemical Communications*, **2017**, 53, 5906-5909	5.8	63
184	Boosting thin-film perovskite solar cell efficiency through vacuum-deposited sub-nanometer small-molecule electron interfacial layers. *Nano Energy*, **2017**, 38, 66-71	17.1	29

183	Synthesis of isoquinolones via Rh-catalyzed C–H activation of substituted benzamides using air as the sole oxidant in water. *Green Chemistry*, **2017**, 19, 3219-3224	10	65
182	Recent advances in positional-selective alkenylations: removable guidance for twofold C–H activation. *Organic Chemistry Frontiers*, **2017**, 4, 1435-1467	5.2	260
181	Expedient C–H Chalcogenation of Indolines and Indoles by Positional-Selective Copper Catalysis. *ACS Catalysis*, **2017**, 7, 1030-1034	13.1	126
180	Cobalt-Catalyzed Mild Ring-Opening Addition of Arenes C–H Bond to 7-Oxabicyclic Alkenes. *Advanced Synthesis and Catalysis*, **2017**, 359, 513-518	5.6	42
179	Experimental and Theoretical Studies on Iron-Promoted Oxidative Annulation of Arylglyoxal with Alkyne: Unusual Addition and Migration on the Aryl Ring. *Journal of the American Chemical Society*, **2017**, 139, 17015-17021	16.4	18
178	Access to Isoquinolin-1(2 H)-ones and Pyridones by Cobalt-Catalyzed Oxidative Annulation of Amides with Allenes. *ChemCatChem*, **2017**, 9, 273-277	5.2	50
177	Palladium-Catalyzed Selective Aryl Ring C–H Activation of N-Acyl-2-aminobiaryls: Efficient Access to Multiaryl-Substituted Naphthalenes. *Advanced Synthesis and Catalysis*, **2016**, 358, 3642-3648	5.6	15
176	Rhodium-Catalyzed Regioselective Synthesis of Isoindolium Salts from 2-Arylpyridines and Alkenes in Aqueous Medium under Oxygen. *Advanced Synthesis and Catalysis*, **2016**, 358, 3381-3386	5.6	12
175	Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobalt-Catalyzed C–H Activation and Intramolecular Nucleophilic Addition. *Angewandte Chemie*, **2016**, 128, 4380-4383	3.6	35
174	Advancements in the Synthesis and Applications of Cationic N-Heterocycles through Transition Metal-Catalyzed C-H Activation. *Chemistry - an Asian Journal*, **2016**, 11, 448-60	4.5	100
173	Ruthenium-Catalyzed C-H Alkynylation of Aromatic Amides with Hypervalent Iodine-Alkyne Reagents. *Organic Letters*, **2016**, 18, 3314-7	6.2	38
172	A concise synthesis of quinolinium, and biquinolinium salts and biquinolines from benzylic azides and alkenes promoted by copper(II) species. *RSC Advances*, **2016**, 6, 63390-63397	3.7	8
171	A thermally activated delayed blue fluorescent emitter with reversible externally tunable emission. *Journal of Materials Chemistry C*, **2016**, 4, 900-904	7.1	46
170	A New Molecular Design Based on Thermally Activated Delayed Fluorescence for Highly Efficient Organic Light Emitting Diodes. *Journal of the American Chemical Society*, **2016**, 138, 628-34	16.4	309
169	Synthesis of Vinyl Carboxylic Acids using Carbon Dioxide as a Carbon Source by Iron-Catalyzed Hydromagnesiation. *ChemCatChem*, **2016**, 8, 2210-2213	5.2	30
168	Rh-Catalyzed Synthesis of Nitrogen-Containing Heterocycles **2016**, 117-160		1
167	Direct Synthesis of Protoberberine Alkaloids by Rh-Catalyzed C-H Bond Activation as the Key Step. *Chemistry - A European Journal*, **2016**, 22, 1800-4	4.8	30
166	Cobalt-Catalyzed Oxidative Annulation of Nitrogen-Containing Arenes with Alkynes: An Atom-Economical Route to Heterocyclic Quaternary Ammonium Salts. *Angewandte Chemie*, **2016**, 128, 1876-1880	3.6	49

165	Easy Access to 1-Amino and 1-Carbon Substituted Isoquinolines via Cobalt-Catalyzed C?H/N?O Bond Activation. *Advanced Synthesis and Catalysis*, **2016**, 358, 774-783	5.6	101
164	Cobalt-Catalyzed Oxidative Annulation of Nitrogen-Containing Arenes with Alkynes: An Atom-Economical Route to Heterocyclic Quaternary Ammonium Salts. *Angewandte Chemie - International Edition*, **2016**, 55, 1844-8	16.4	173
163	Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobalt-Catalyzed C-H Activation and Intramolecular Nucleophilic Addition. *Angewandte Chemie - International Edition*, **2016**, 55, 4308-11	16.4	128
162	A versatile ferrocene-containing material as a p-type charge generation layer for high-performance full color tandem OLEDs. *Chemical Communications*, **2016**, 52, 14294-14297	5.8	10
161	R□ktitelbild: Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobalt-Catalyzed C□H Activation and Intramolecular Nucleophilic Addition (Angew. Chem. 13/2016). *Angewandte Chemie*, **2016**, 128, 4442-4442	3.6	2
160	Cobalt(III)-Catalyzed [5 + 1] Annulation for 2H-Chromenes Synthesis via Vinylic C□H Activation and Intramolecular Nucleophilic Addition. *ACS Catalysis*, **2016**, 6, 3909-3913	13.1	97
159	Superior upconversion fluorescence dopants for highly efficient deep-blue electroluminescent devices. *Chemical Science*, **2016**, 7, 4044-4051	9.4	57
158	Palladium-Catalyzed C□H Activation and Cyclization of Anilides with 2-Iodoacetates and 2-Iodobenzoates: An Efficient Method toward Oxindoles and Phenanthridones. *Synthesis*, **2016**, 48, 1872-1879	2.9	9
157	A Method for Reducing the Singlet-Triplet Energy Gaps of TADF Materials for Improving the Blue OLED Efficiency. *ACS Applied Materials & Interfaces*, **2016**, 8, 27026-27034	9.5	68
156	Transition-metal-catalyzed □bond-assisted C - H bond functionalization: an emerging trend in organic synthesis. *Chemistry - an Asian Journal*, **2015**, 10, 824-38	4.5	149
155	Bromo induced reversible distinct color switching of a structurally simple donor□cceptor molecule by vapo, piezo and thermal stimuli. *Journal of Materials Chemistry C*, **2015**, 3, 3329-3335	7.1	40
154	Stability, Reactivity, Selectivity, Catalysis, and Predictions of 1,3,2,5-Diazadiborinine: Computational Insight into a Boron-Boron Frustrated Lewis Pair. *Journal of Organic Chemistry*, **2015**, 80, 8790-5	4.2	20
153	Rh(III)-Catalyzed [4 + 1] Annulations of 2-Hydroxy- and 2-Aminobenzaldehydes with Allenes: A Simple Method toward 3-Coumaranones and 3-Indolinones. *Organic Letters*, **2015**, 17, 3846-9	6.2	61
152	Cooperative C(sp3)□H and C(sp2)□H Activation of 2-Ethylpyridines by Copper and Rhodium: A Route toward Quinolizinium Salts. *ACS Catalysis*, **2015**, 5, 4837-4841	13.1	49
151	A Universal Electron-Transporting/Exciton-Blocking Material for Blue, Green, and Red Phosphorescent Organic Light-Emitting Diodes (OLEDs). *ACS Applied Materials & Interfaces*, **2015**, 7, 10466-74	9.5	44
150	High-performance and high-durability perovskite photovoltaic devices prepared using ethylammonium iodide as an additive. *Journal of Materials Chemistry A*, **2015**, 3, 9271-9277	13	75
149	Cobalt catalysis involving □omponents in organic synthesis. *Accounts of Chemical Research*, **2015**, 48, 1194-206	24.3	208
148	A high triplet energy, high thermal stability oxadiazole derivative as the electron transporter for highly efficient red, green and blue phosphorescent OLEDs. *Journal of Materials Chemistry C*, **2015**, 3, 1491-1496	7.1	45

147	m-Indolocarbazole Derivative as a Universal Host Material for RGB and White Phosphorescent OLEDs. *Advanced Functional Materials*, **2015**, 25, 5548-5556	15.6	97
146	Cobalt-Catalyzed Dual Annulation of o-Halobenzaldimine with Alkyne: A Powerful Route toward Bioactive Indenoisoquinolinones. *Chemistry - A European Journal*, **2015**, 21, 9544-9	4.8	14
145	Rhodium(III)-Catalyzed [4+1] Annulation of Aromatic and Vinylic Carboxylic Acids with Allenes: An Efficient Method Towards Vinyl-Substituted Phthalides and 2-Furanones. *Chemistry - A European Journal*, **2015**, 21, 9198-203	4.8	67
144	Rh-catalyzed oxidizing group-directed ortho C-H vinylation of arenes by vinylstannanes. *Chemical Communications*, **2015**, 51, 13362-4	5.8	36
143	Ligand-Controlled Divergent C-H Functionalization of Aldehydes with Enynes by Cobalt Catalysts. *Journal of the American Chemical Society*, **2015**, 137, 16116-20	16.4	101
142	Copper promoted synthesis of substituted quinolines from benzylic azides and alkynes. *RSC Advances*, **2015**, 5, 106012-106018	3.7	17
141	Rhodium(III)-catalyzed vinylic C-H activation: a direct route toward pyridinium salts. *Organic Letters*, **2015**, 17, 924-7	6.2	59
140	Rhodium(III)-Catalyzed in situ Oxidizing Directing Group- Assisted C?H Bond Activation and Olefination: A Route to 2-Vinylanilines. *Advanced Synthesis and Catalysis*, **2015**, 357, 761-766	5.6	31
139	Rhodium(III)-Catalyzed ortho-Arylation of Anilides with Aryl Halides. *Advanced Synthesis and Catalysis*, **2015**, 357, 366-370	5.6	39
138	Regioselective Synthesis of Indoles via Rhodium-Catalyzed C?H Activation Directed by an In-Situ Generated Redox-Neutral Group. *Advanced Synthesis and Catalysis*, **2014**, 356, 1571-1576	5.6	88
137	Ene-Carbonyl Reductive Coupling for the Synthesis of 3,3-Disubstituted Phthalide, 3-Hydroxyisoindolin-1-one and 3-Hydroxyoxindole Derivatives. *Advanced Synthesis and Catalysis*, **2014**, 356, 831-842	5.6	12
136	Ruthenium(II)-Catalyzed C?H Bond Activation: An Efficient Route toward Indenamines. *ChemCatChem*, **2014**, 6, 2692-2697	5.2	33
135	Palladium-Catalyzed Dehydrogenative α-Arylation of Simple Saturated Carbonyls by Aryl Halides. *ACS Catalysis*, **2014**, 4, 4485-4489	13.1	34
134	Rh(III)-catalyzed synthesis of 1-substituted isoquinolinium salts via a C-H bond activation reaction of ketimines with alkynes. *Chemical Communications*, **2014**, 50, 3106-8	5.8	45
133	Cobalt-catalyzed hydroarylative cyclization of 1,6-enynes with aromatic ketones and esters via C-H activation. *Organic Letters*, **2014**, 16, 4208-11	6.2	52
132	Highly efficient orange and deep-red organic light emitting diodes with long operational lifetimes using carbazole–quinoline based bipolar host materials. *Journal of Materials Chemistry C*, **2014**, 2, 6183-6191	7.1	74
131	One-pot synthesis of highly substituted polyheteroaromatic compounds by rhodium(III)-catalyzed multiple C-H activation and annulation. *Angewandte Chemie - International Edition*, **2014**, 53, 9889-92	16.4	130
130	Nickel-Catalyzed Regio- and Stereoselective Reductive Coupling of Oxa- and Azabicyclic Alkenes with Enones and Electron-Rich Alkynes. *Advanced Synthesis and Catalysis*, **2014**, 356, 2239-2246	5.6	17

129	Hybrid Organic Light-Emitting Diodes with Low Color-Temperature and High Efficiency for Physiologically-Friendly Night Illumination. *Israel Journal of Chemistry*, **2014**, 54, 979-985	3.4	13
128	Synthesis of Substituted Quinolines by Iron(III)-Catalyzed Three-Component Coupling Reaction of Aldehydes, Amines, and Styrenes. *Asian Journal of Organic Chemistry*, **2014**, 3, 303-308	3	16
127	Alkene-assisted nickel-catalyzed regioselective 1,4-addition of organoboronic acid to dienones: a direct route to all-carbon quaternary centers. *Organic Letters*, **2014**, 16, 2806-9	6.2	11
126	Challenges and Opportunities of the Chemistry Community in Taiwan After the Recent Economic Crisis. *ACS Symposium Series*, **2014**, 159-165	0.4	
125	Rh(III)-catalyzed dual directing group assisted sterically hindered C-H bond activation: a unique route to meta and ortho substituted benzofurans. *Organic and Biomolecular Chemistry*, **2014**, 12, 9105-8	3.9	38
124	[4+2] vs [3+2] Annulations in the Nickel- and Cobalt-Catalyzed Reaction of ortho-Haloimines with Alkynes: Differential Reactivity towards the Synthesis of Isoquinolines and Aminoindenes. *Journal of the Chinese Chemical Society*, **2014**, 61, 59-66	1.5	8
123	One-Pot Synthesis of Highly Substituted Polyheteroaromatic Compounds by Rhodium(III)-Catalyzed Multiple C?H Activation and Annulation. *Angewandte Chemie*, **2014**, 126, 10047-10050	3.6	43
122	Highly efficient deep-red organic electrophosphorescent devices with excellent operational stability using bis(indoloquinoxalinyl) derivatives as the host materials. *Journal of Materials Chemistry C*, **2013**, 1, 5084	7.1	31
121	Cu(I)-catalyzed intramolecular oxidative C-H amination of 2-aminoacetophenones: a convenient route toward isatins. *Chemical Communications*, **2013**, 49, 8540-2	5.8	56
120	Nickel-catalyzed chemo- and stereoselective alkenylative cyclization of 1,6-enynes with alkenyl boronic acids. *Chemistry - A European Journal*, **2013**, 19, 12212-6	4.8	13
119	A convenient synthesis of quinolizinium salts through Rh(III) or Ru(II)-catalyzed C-H bond activation of 2-alkenylpyridines. *Chemical Communications*, **2013**, 49, 8528-30	5.8	66
118	Synthesis of isoquinolines via Rh(III)-catalyzed C-H activation using hydrazone as a new oxidizing directing group. *Organic Letters*, **2013**, 15, 5750-3	6.2	150
117	Rh(III) -catalyzed C-H activation: a versatile route towards various polycyclic pyridinium salts. *Chemistry - A European Journal*, **2013**, 19, 14181-6	4.8	81
116	A highly luminescent spiro-anthracenone-based organic light-emitting diode exhibiting thermally activated delayed fluorescence. *Chemical Communications*, **2013**, 49, 10385-7	5.8	167
115	Copper-catalyzed intramolecular oxidative C-H functionalization and C-N formation of 2-aminobenzophenones: unusual pseudo-1,2-shift of the substituent on the aryl ring. *Chemistry - A European Journal*, **2013**, 19, 460-4	4.8	56
114	Nickel-catalyzed regio- and diastereoselective intermolecular three-component coupling of oxabicyclic alkenes with alkynes and organoboronic acids. *Chemical Communications*, **2013**, 49, 1557-9	5.8	22
113	Rhodium(III)-catalyzed synthesis of cinnolinium salts from azobenzenes and alkynes: application to the synthesis of indoles and cinnolines. *Chemistry - A European Journal*, **2013**, 19, 6198-202	4.8	113
112	Pd-catalyzed Ⓔchelation assisted ortho-C-H activation and annulation of allylarenes with internal alkynes. *Organic Letters*, **2013**, 15, 2084-7	6.2	62

111	Ene-Carbonyl Reductive Coupling Mediated by Zinc and Ammonia for the Synthesis of □Hydroxybutyric Acid Derivatives. *Advanced Synthesis and Catalysis*, **2013**, 355, 1338-1344	5.6	20
110	Synthesis of Phenanthridinones from N-methoxybenzamides and aryltriethoxysilanes through Rh(III)-catalyzed C-H and N-H bond activation. *Chemistry - an Asian Journal*, **2013**, 8, 2175-81	4.5	62
109	New selenophene-based low-band gap conjugated polymers for organic photovoltaics. *Journal of Polymer Science Part A*, **2013**, 51, 4550-4557	2.5	8
108	Triscyclometalated Iridium(III) Fluoro-Substituted Carbene Complexes: Character of Emitting Triplet States and Excited State Dynamics. *Journal of the Chinese Chemical Society*, **2013**, 60, 965-973	1.5	3
107	Iron-Catalyzed Synthesis of □Chlorovinyl and □Alkynyl Ketones from Terminal and Silylated Alkynes with Acid Chlorides. *Advanced Synthesis and Catalysis*, **2012**, 354, 457-468	5.6	31
106	One-Pot Synthesis of Isoquinolinium Salts by Rhodium-Catalyzed C?H Bond Activation: Application to the Total Synthesis of Oxychelerythrine. *Angewandte Chemie*, **2012**, 124, 201-204	3.6	86
105	One-pot synthesis of isoquinolinium salts by rhodium-catalyzed C-H bond activation: application to the total synthesis of oxychelerythrine. *Angewandte Chemie - International Edition*, **2012**, 51, 197-200	16.4	240
104	Synthesis of isochromenones and oxepines via Pd-catalyzed cascade cyclization of alkynes and benzynes involving C-H activation. *Chemical Communications*, **2012**, 48, 6580-2	5.8	32
103	Rhodium(III)-Catalyzed Oxidative C?H Coupling of N-Methoxybenzamides with Aryl Boronic Acids: One-Pot Synthesis of Phenanthridinones. *Angewandte Chemie*, **2012**, 124, 12509-12513	3.6	43
102	Rhodium(III)-catalyzed oxidative C-H coupling of N-methoxybenzamides with aryl boronic acids: one-pot synthesis of phenanthridinones. *Angewandte Chemie - International Edition*, **2012**, 51, 12343-7	16.4	157
101	Cobalt(II)-catalyzed 1,4-addition of organoboronic acids to activated alkenes: an application to highly cis-stereoselective synthesis of aminoindane carboxylic acid derivatives. *Chemistry - A European Journal*, **2012**, 18, 14918-22	4.8	19
100	Ru(II)-catalyzed amidation of 2-arylpyridines with isocyanates via C-H activation. *Organic Letters*, **2012**, 14, 4262-5	6.2	116
99	Allylic carbon-carbon double bond directed Pd-catalyzed oxidative ortho-olefination of arenes. *Journal of the American Chemical Society*, **2012**, 134, 5738-41	16.4	141
98	Synthesis of diimidazolylstilbenes as n-type blue fluorophores: alternative dopant materials for highly efficient electroluminescent devices. *Advanced Materials*, **2012**, 24, 5867-71	24	105
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