

Parthasarathy Gandeepan

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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	3d Transition Metals for C-H Activation. <i>Chemical Reviews</i> , 2019 , 119, 2192-2452	68.1	1073
235	A highly efficient universal bipolar host for blue, green, and red phosphorescent OLEDs. <i>Advanced Materials</i> , 2010 , 22, 2468-71	24	502
234	Diboron compound-based organic light-emitting diodes with high efficiency and reduced efficiency roll-off. <i>Nature Photonics</i> , 2018 , 12, 235-240	33.9	466
233	Transient Directing Groups for Transformative C-H Activation by Synergistic Metal Catalysis. <i>Chem</i> , 2018 , 4, 199-222	16.2	392
232	Cobalt-catalyzed aryl-sulfur bond formation. <i>Organic Letters</i> , 2006 , 8, 5613-6	6.2	380
231	A New Molecular Design Based on Thermally Activated Delayed Fluorescence for Highly Efficient Organic Light Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 628-34	16.4	309
230	Rhodium-catalyzed one-pot synthesis of substituted pyridine derivatives from alpha,beta-unsaturated ketoximes and alkynes. <i>Organic Letters</i> , 2008 , 10, 325-8	6.2	282
229	Recent advances in positional-selective alkenylations: removable guidance for twofold C-H activation. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1435-1467	5.2	260
228	Regioselective synthesis of indenols by rhodium-catalyzed C-H activation and carbocyclization of aryl ketones and alkynes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4169-72	16.4	257
227	One-pot synthesis of isoquinolinium salts by rhodium-catalyzed C-H bond activation: application to the total synthesis of oxycelerythrine. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 197-200	16.4	240
226	Cobalt catalysis involving π -components in organic synthesis. <i>Accounts of Chemical Research</i> , 2015 , 48, 1194-206	24.3	208
225	Synthesis of phenanthrone derivatives from sec-alkyl aryl ketones and aryl halides via a palladium-catalyzed dual C-H bond activation and enolate cyclization. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8569-71	16.4	201
224	Synthesis of phenanthridinones from N-methoxybenzamides and arenes by multiple palladium-catalyzed C-H activation steps at room temperature. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9880-3	16.4	197
223	Wide-range color tuning of iridium biscarbene complexes from blue to red by different N?N ligands: an alternative route for adjusting the emission colors. <i>Advanced Materials</i> , 2011 , 23, 4933-7	24	184
222	New catalytic reactions of oxa- and azabicyclic alkenes. <i>Accounts of Chemical Research</i> , 2007 , 40, 971-83	24.3	177
221	Cobalt-Catalyzed Oxidative Annulation of Nitrogen-Containing Arenes with Alkynes: An Atom-Economical Route to Heterocyclic Quaternary Ammonium Salts. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1844-8	16.4	173
220	Synthesis of fluorenones from aromatic aldoxime ethers and aryl halides by palladium-catalyzed dual C-H activation and Heck cyclization. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9462-5	16.4	172

219	A highly luminescent spiro-anthracenone-based organic light-emitting diode exhibiting thermally activated delayed fluorescence. <i>Chemical Communications</i> , 2013 , 49, 10385-7	5.8	167
218	Host and dopant materials for idealized deep-red organic electrophosphorescence devices. <i>Advanced Materials</i> , 2011 , 23, 2981-5	24	165
217	Easy access to isoquinolines and tetrahydroquinolines from ketoximes and alkynes via rhodium-catalyzed C-H bond activation. <i>Journal of Organic Chemistry</i> , 2009 , 74, 9359-64	4.2	158
216	Rhodium(III)-catalyzed oxidative C-H coupling of N-methoxybenzamides with aryl boronic acids: one-pot synthesis of phenanthridinones. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12343-7	16.4	157
215	Synthesis of isoquinolines via Rh(III)-catalyzed C-H activation using hydrazone as a new oxidizing directing group. <i>Organic Letters</i> , 2013 , 15, 5750-3	6.2	150
214	Transition-metal-catalyzed β -bond-assisted C - H bond functionalization: an emerging trend in organic synthesis. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 824-38	4.5	149
213	Tuning the emission and morphology of cyclometalated iridium complexes and their applications to organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1035		145
212	Allylic carbon-carbon double bond directed Pd-catalyzed oxidative ortho-olefination of arenes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5738-41	16.4	141
211	Cobalt- and nickel-catalyzed regio- and stereoselective reductive coupling of alkynes, allenes, and alkenes with alkenes. <i>Chemistry - A European Journal</i> , 2008 , 14, 10876-86	4.8	138
210	Resource Economy by Metallaelectrocatalysis: Merging Electrochemistry and C H Activation. <i>Trends in Chemistry</i> , 2019 , 1, 63-76	14.8	132
209	One-pot synthesis of highly substituted polyheteroaromatic compounds by rhodium(III)-catalyzed multiple C-H activation and annulation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9889-92	16.4	130
208	Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobalt-Catalyzed C-H Activation and Intramolecular Nucleophilic Addition. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4308-11	16.4	128
207	Ru(II)-catalyzed C-H bond activation for the synthesis of substituted isoquinolinium salts from benzaldehydes, amines, and alkynes. <i>Organic Letters</i> , 2012 , 14, 3478-81	6.2	127
206	Expedient C-H Chalcogenation of Indolines and Indoles by Positional-Selective Copper Catalysis. <i>ACS Catalysis</i> , 2017 , 7, 1030-1034	13.1	126
205	Nickel-catalyzed coupling of aryl iodides with aromatic aldehydes: chemoselective synthesis of ketones. <i>Journal of Organic Chemistry</i> , 2002 , 67, 1682-4	4.2	125
204	Highly efficient synthesis of isoquinolines via nickel-catalyzed annulation of 2-iodobenzaldimines with alkynes: evidence for dual pathways of alkyne insertion. <i>Organic Letters</i> , 2005 , 7, 5179-82	6.2	123
203	Europium complex as a highly efficient red emitter in electroluminescent devices. <i>Applied Physics Letters</i> , 2002 , 81, 792-794	3.4	120
202	Nickel-catalyzed cyclization of 2-iodoanilines with aroylalkynes: an efficient route for quinoline derivatives. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7079-82	4.2	119

201	Diaminoanthracene Derivatives as High-Performance Green Host Electroluminescent Materials. <i>Chemistry of Materials</i> , 2002 , 14, 3958-3963	9.6	117
200	Ru(II)-catalyzed amidation of 2-arylpyridines with isocyanates via C-H activation. <i>Organic Letters</i> , 2012 , 14, 4262-5	6.2	116
199	A Highly Efficient Host/Dopant Combination for Blue Organic Electrophosphorescence Devices. <i>Advanced Functional Materials</i> , 2008 , 18, 485-491	15.6	114
198	Rhodium(III)-catalyzed synthesis of cinnolinium salts from azobenzenes and alkynes: application to the synthesis of indoles and cinnolines. <i>Chemistry - A European Journal</i> , 2013 , 19, 6198-202	4.8	113
197	Transition metal-catalyzed three-component coupling of allenes and the related allylation reactions. <i>Chemical Communications</i> , 2008 , 3101-17	5.8	113
196	Cobalt-Catalyzed Annulation Reactions via C≡C Bond Activation. <i>ChemCatChem</i> , 2018 , 10, 683-705	5.2	105
195	Synthesis of diimidazolylstilbenes as n-type blue fluorophores: alternative dopant materials for highly efficient electroluminescent devices. <i>Advanced Materials</i> , 2012 , 24, 5867-71	24	105
194	Ligand-Controlled Divergent C-H Functionalization of Aldehydes with Enynes by Cobalt Catalysts. <i>Journal of the American Chemical Society</i> , 2015 , 137, 16116-20	16.4	101
193	Easy Access to 1-Amino and 1-Carbon Substituted Isoquinolines via Cobalt-Catalyzed C≡C/N≡O Bond Activation. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 774-783	5.6	101
192	Advancements in the Synthesis and Applications of Cationic N-Heterocycles through Transition Metal-Catalyzed C-H Activation. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 448-60	4.5	100
191	Regioselective Synthesis of Indenols by Rhodium-Catalyzed C≡C Activation and Carbocyclization of Aryl Ketones and Alkynes. <i>Angewandte Chemie</i> , 2011 , 123, 4255-4258	3.6	99
190	C4-H indole functionalisation: precedent and prospects. <i>Chemical Science</i> , 2018 , 9, 4203-4216	9.4	97
189	m-Indolocarbazole Derivative as a Universal Host Material for RGB and White Phosphorescent OLEDs. <i>Advanced Functional Materials</i> , 2015 , 25, 5548-5556	15.6	97
188	Cobalt(III)-Catalyzed [5 + 1] Annulation for 2H-Chromenes Synthesis via Vinylic C≡C Activation and Intramolecular Nucleophilic Addition. <i>ACS Catalysis</i> , 2016 , 6, 3909-3913	13.1	97
187	Nitrile-Group Transfer from Solvents to Aryl Halides. Novel Carbon-Carbon Bond Formation and Cleavage Mediated by Palladium and Zinc Species. <i>Organometallics</i> , 1998 , 17, 1025-1030	3.8	96
186	Direct synthesis of arylketones by nickel-catalyzed addition of arylboronic acids to nitriles. <i>Organic Letters</i> , 2010 , 12, 1736-9	6.2	93
185	Cobalt-catalyzed highly regio- and stereoselective intermolecular reductive coupling of alkynes with conjugated alkenes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9696-7	16.4	92
184	Pd-catalyzed double C-H bond activation of diaryl ketones for the synthesis of fluorenones. <i>Chemical Communications</i> , 2012 , 48, 9379-81	5.8	90

183	Cobalt-catalyzed regioselective carbocyclization reaction of o-iodophenyl ketones and aldehydes with alkynes, acrylates, and acrylonitrile: a facile route to indenols and indenenes. <i>Journal of Organic Chemistry</i> , 2004 , 69, 4781-7	4.2	90
182	Regioselective Synthesis of Indoles via Rhodium-Catalyzed C ² H Activation Directed by an In-Situ Generated Redox-Neutral Group. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 1571-1576	5.6	88
181	Nickel-catalyzed cross-coupling of aryl phosphates with arylboronic acids. <i>Journal of Organic Chemistry</i> , 2011 , 76, 2338-44	4.2	87
180	One-Pot Synthesis of Isoquinolinium Salts by Rhodium-Catalyzed C ² H Bond Activation: Application to the Total Synthesis of Oxychelerythrine. <i>Angewandte Chemie</i> , 2012 , 124, 201-204	3.6	86
179	Cross [2 + 2] cycloaddition of bicyclic alkenes with alkynes mediated by cobalt complexes: a facile synthesis of cyclobutene derivatives. <i>Journal of Organic Chemistry</i> , 2001 , 66, 8804-10	4.2	85
178	Cobalt-catalyzed reductive coupling of activated alkenes with alkynes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12032-41	16.4	84
177	Highly Regio- and Stereoselective Acylboration of Allenes Catalyzed by Palladium Complexes: An Efficient Route to a New Class of 2-Acylallylboronates. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7122-7123	16.4	84
176	Visible-Light-Enabled Ruthenium-Catalyzed meta-C-H Alkylation at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9820-9825	16.4	83
175	Rh(III) -catalyzed C-H activation: a versatile route towards various polycyclic pyridinium salts. <i>Chemistry - A European Journal</i> , 2013 , 19, 14181-6	4.8	81
174	Cobalt-catalyzed diastereoselective reductive [3 + 2] cycloaddition of allenes and enones. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4166-7	16.4	80
173	Cobalt-catalyzed intramolecular [2 + 2 + 2] cocyclootrimerization of nitrilediynes: an efficient route to tetra- and pentacyclic pyridine derivatives. <i>Organic Letters</i> , 2007 , 9, 505-8	6.2	79
172	Cobalt(II)-catalyzed regio- and stereoselective hydroarylation of alkynes with organoboronic acids. <i>Chemistry - A European Journal</i> , 2008 , 14, 11296-9	4.8	79
171	Highly efficient cyclization of o-iodobenzoates with aldehydes catalyzed by cobalt bidentate phosphine complexes: a novel entry to chiral phthalides. <i>Chemistry - A European Journal</i> , 2007 , 13, 4356-63	4.8	78
170	High-performance and high-durability perovskite photovoltaic devices prepared using ethylammonium iodide as an additive. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9271-9277	13	75
169	Highly efficient orange and deep-red organic light emitting diodes with long operational lifetimes using carbazole-quinoline based bipolar host materials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6183-6191	7.1	74
168	Highly Regio- and Stereoselective Cocyclootrimerization and Linear Cotrimerization of alpha,beta-Unsaturated Carbonyl Compounds with Alkynes Catalyzed by Nickel Complexes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 3663-3670	4.2	74
167	Molecular Design of Highly Efficient Thermally Activated Delayed Fluorescence Hosts for Blue Phosphorescent and Fluorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2017 , 29, 1527-1537	8.6	73
166	3d metallaelectrocatalysis for resource economical syntheses. <i>Chemical Society Reviews</i> , 2020 , 49, 4254-4272	48.2	73

165	Cobalt-catalyzed regioselective synthesis of indenamine from o-iodobenzaldimine and alkyne: intriguing difference to the nickel-catalyzed reaction. <i>Chemistry - A European Journal</i> , 2008 , 14, 9503-6	4.8	72
164	Palladium-catalyzed [2 + 2 + 2] cocyclotrimerization of benzyne with bicyclic alkenes: an efficient route to anellated 9,10-dihydrophenanthrene derivatives and polyaromatic compounds. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8445-50	4.2	72
163	A Method for Reducing the Singlet-Triplet Energy Gaps of TADF Materials for Improving the Blue OLED Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27026-27034	9.5	68
162	Rhodium(III)-Catalyzed [4+1] Annulation of Aromatic and Vinylic Carboxylic Acids with Allenes: An Efficient Method Towards Vinyl-Substituted Phthalides and 2-Furanones. <i>Chemistry - A European Journal</i> , 2015 , 21, 9198-203	4.8	67
161	One-pot synthesis of diarylmethylidenefluorenes and phenanthrenes by palladium-catalyzed multiple C-H bond functionalization. <i>Chemistry - A European Journal</i> , 2010 , 16, 1436-40	4.8	67
160	Carbocyclization of aromatic iodides, bicyclic alkenes, and benzyne involving a palladium-catalyzed C-H bond activation as a key step. <i>Organic Letters</i> , 2006 , 8, 5581-4	6.2	67
159	A convenient synthesis of quinolinium salts through Rh(III) or Ru(II)-catalyzed C-H bond activation of 2-alkenylpyridines. <i>Chemical Communications</i> , 2013 , 49, 8528-30	5.8	66
158	Synthesis of isoquinolones via Rh-catalyzed C-H activation of substituted benzamides using air as the sole oxidant in water. <i>Green Chemistry</i> , 2017 , 19, 3219-3224	10	65
157	Biomass-Derived Solvents for Sustainable Transition Metal-Catalyzed C-H Activation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8023-8040	8.3	65
156	Enantioselective synthesis of substituted cyclic ketones via cobalt-catalyzed asymmetric reductive coupling of alkynes with alkenes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6942-4	16.4	65
155	Isoquinolinium salts from o-halobenzaldehydes, amines, and alkynes catalyzed by nickel complexes: synthesis and applications. <i>Chemistry - A European Journal</i> , 2009 , 15, 10727-31	4.8	65
154	Protecting-group-free total synthesis of isoquinoline alkaloids by nickel-catalyzed annulation of o-halobenzaldimine with an alkyne as the key step. <i>Chemistry - A European Journal</i> , 2010 , 16, 282-7	4.8	65
153	Cobalt-catalyzed addition reaction of organoboronic acids with aldehydes: highly enantioselective synthesis of diarylmethanols. <i>Chemistry - A European Journal</i> , 2010 , 16, 8989-92	4.8	65
152	Photo-induced copper-catalyzed C-H chalcogenation of azoles at room temperature. <i>Chemical Communications</i> , 2017 , 53, 5906-5909	5.8	63
151	Cobalt-catalyzed regio- and stereoselective intermolecular enyne coupling: an efficient route to 1,3-diene derivatives. <i>Chemical Communications</i> , 2010 , 46, 1923-5	5.8	63
150	Nickel-Catalyzed Highly Regio- and Stereoselective Cyclization of Oxanorbornenes with Alkyl Propiolates: A Novel Method for the Synthesis of Benzocoumarin Derivatives We thank the National Science Council (NSC 89-2119-M-007-010) and the Ministry of Education (89-FAO4-AA) of the Republic of China for support of this research. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1111-1114	16.4	63
149	Pd-catalyzed Echelon assisted ortho-C-H activation and annulation of allylarenes with internal alkynes. <i>Organic Letters</i> , 2013 , 15, 2084-7	6.2	62
148	Synthesis of Phenanthridinones from N-methoxybenzamides and aryltriethoxysilanes through Rh(III)-catalyzed C-H and N-H bond activation. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2175-81	4.5	62

147	Rh(III)-Catalyzed [4 + 1] Annulations of 2-Hydroxy- and 2-Aminobenzaldehydes with Allenes: A Simple Method toward 3-Coumaranones and 3-Indolinones. <i>Organic Letters</i> , 2015 , 17, 3846-9	6.2	61
146	Perovskite Quantum Dots with Near Unity Solution and Neat-Film Photoluminescent Quantum Yield by Novel Spray Synthesis. <i>Advanced Materials</i> , 2018 , 30, 1705532	24	61
145	Cobalt-catalyzed dimerization of alkenes. <i>Tetrahedron Letters</i> , 2004 , 45, 6203-6206	2	61
144	Rhodium(III)-catalyzed vinylic C-H activation: a direct route toward pyridinium salts. <i>Organic Letters</i> , 2015 , 17, 924-7	6.2	59
143	Highly regio- and stereoselective acylboration, acylsilation, and acylstannation of allenes catalyzed by phosphine-free palladium complexes: an efficient route to a new class of 2-acylallylmetal reagents. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12576-83	16.4	59
142	Nickel-catalyzed borylative coupling of alkynes, enones, and bis(pinacolato)diboron as a route to substituted alkenyl boronates. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2192-5	16.4	58
141	Cobalt-catalyzed reductive coupling of saturated alkyl halides with activated alkenes. <i>Journal of Organic Chemistry</i> , 2006 , 71, 655-8	4.2	58
140	Nickel-catalyzed highly regio- and chemoselective cocyclotrimerization of propiolates with allenes: a novel route to polysubstituted benzene derivatives. <i>Organic Letters</i> , 2001 , 3, 4233-6	6.2	57
139	Superior upconversion fluorescence dopants for highly efficient deep-blue electroluminescent devices. <i>Chemical Science</i> , 2016 , 7, 4044-4051	9.4	57
138	Cu(I)-catalyzed intramolecular oxidative C-H amination of 2-aminoacetophenones: a convenient route toward isatins. <i>Chemical Communications</i> , 2013 , 49, 8540-2	5.8	56
137	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. <i>Chemistry - A European Journal</i> , 2013 , 19, 460-4	4.8	56
136	Cobalt-catalyzed carbocyclization of o-iodobenzaldehydes and o-iodophenylketones with alkynes. <i>Organic Letters</i> , 2003 , 5, 3963-6	6.2	56
135	Synthesis of Phenanthridinones from N-Methoxybenzamides and Arenes by Multiple Palladium-Catalyzed C-H Activation Steps at Room Temperature. <i>Angewandte Chemie</i> , 2011 , 123, 10054-10057	3.6	54
134	Synthesis of Fluorenones from Aromatic Aldoxime Ethers and Aryl Halides by Palladium-Catalyzed Dual C-H Activation and Heck Cyclization. <i>Angewandte Chemie</i> , 2008 , 120, 9604-9607	3.6	54
133	Triptycene derivatives as high-Tg host materials for various electrophosphorescent devices. <i>Journal of Materials Chemistry</i> , 2010 , 20, 798-805		53
132	Cobalt-catalyzed hydroarylation cyclization of 1,6-enynes with aromatic ketones and esters via C-H activation. <i>Organic Letters</i> , 2014 , 16, 4208-11	6.2	52
131	Access to Isoquinolin-1(2 H)-ones and Pyridones by Cobalt-Catalyzed Oxidative Annulation of Amides with Allenes. <i>ChemCatChem</i> , 2017 , 9, 273-277	5.2	50
130	Pd-catalyzed multiple C-H functionalization to construct biologically active compounds from aryl aldoxime ethers with arenes. <i>Chemistry - A European Journal</i> , 2011 , 17, 14723-6	4.8	50

129	Cooperative C(sp ³) π and C(sp ²) π Activation of 2-Ethylpyridines by Copper and Rhodium: A Route toward Quinolizinium Salts. <i>ACS Catalysis</i> , 2015 , 5, 4837-4841	13.1	49
128	Cobalt-Catalyzed Oxidative Annulation of Nitrogen-Containing Arenes with Alkynes: An Atom-Economical Route to Heterocyclic Quaternary Ammonium Salts. <i>Angewandte Chemie</i> , 2016 , 128, 1876-1880	3.6	49
127	Palladium-Catalyzed Synthesis of 1,3-Dienes from Allenes and Organic Halides. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1767-1773	4.2	48
126	Ni(II)/Zn-Mediated chemoselective arylation of aromatic aldehydes: facile synthesis of diaryl carbinols. <i>Organic Letters</i> , 2000 , 2, 2295-8	6.2	48
125	Synthesis of 1,2-Dihydroquinolines by Co(III)-Catalyzed [3 + 3] Annulation of Anilides with Benzylallenes. <i>ACS Catalysis</i> , 2018 , 8, 1880-1883	13.1	46
124	A thermally activated delayed blue fluorescent emitter with reversible externally tunable emission. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 900-904	7.1	46
123	A high triplet energy, high thermal stability oxadiazole derivative as the electron transporter for highly efficient red, green and blue phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1491-1496	7.1	45
122	Rh(III)-catalyzed synthesis of 1-substituted isoquinolinium salts via a C-H bond activation reaction of ketimines with alkynes. <i>Chemical Communications</i> , 2014 , 50, 3106-8	5.8	45
121	Synthesis of biarylketones and phthalides from organoboronic acids and aldehydes catalyzed by cobalt complexes. <i>Chemical Communications</i> , 2011 , 47, 10461-3	5.8	45
120	A Universal Electron-Transporting/Exciton-Blocking Material for Blue, Green, and Red Phosphorescent Organic Light-Emitting Diodes (OLEDs). <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10466-74	9.5	44
119	Platinum Phosphors Containing an Aryl-modified β -diketonate: Unusual Effect of Molecular Packing on Photo- and Electroluminescence. <i>Advanced Functional Materials</i> , 2011 , 21, 3150-3158	15.6	44
118	Carbosilylation of Allenes Catalyzed by Palladium Complexes: A New Efficient Route to Substituted Allylic Silanes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 2471-2474	4.2	44
117	Fickle Reactivity of Allenes in Transition-Metal-Catalyzed C π Functionalizations. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1151-1163	3	43
116	One-Pot Synthesis of Highly Substituted Polyheteroaromatic Compounds by Rhodium(III)-Catalyzed Multiple C-H Activation and Annulation. <i>Angewandte Chemie</i> , 2014 , 126, 10047-10050	3.6	43
115	Rhodium(III)-Catalyzed Oxidative C-H Coupling of N-Methoxybenzamides with Aryl Boronic Acids: One-Pot Synthesis of Phenanthridinones. <i>Angewandte Chemie</i> , 2012 , 124, 12509-12513	3.6	43
114	Thermally activated delayed fluorescence emitters with a m,m-di-tert-butyl-carbazolyl benzoylpyridine core achieving extremely high blue electroluminescence efficiencies. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2919-2926	7.1	42
113	Cobalt-Catalyzed Mild Ring-Opening Addition of Arenes C π Bond to 7-Oxabicyclic Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 513-518	5.6	42
112	Nickel-catalyzed Mizoroki-Heck- versus Michael-type addition of organoboronic acids to α,β -unsaturated alkenes through fine-tuning of ligands. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1409-16	4.5	41

111	Study of anode work function modified by self-assembled monolayers on pentacene/fullerene organic solar cells. <i>Applied Physics Letters</i> , 2007 , 91, 2335-10	3.4	41
110	Bromo induced reversible distinct color switching of a structurally simple donor-acceptor molecule by vapo, piezo and thermal stimuli. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3329-3335	7.1	40
109	Rhodium(III)-Catalyzed ortho-Arylation of Anilides with Aryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 366-370	5.6	39
108	Ruthenium-Catalyzed C-H Alkynylation of Aromatic Amides with Hypervalent Iodine-Alkyne Reagents. <i>Organic Letters</i> , 2016 , 18, 3314-7	6.2	38
107	Rh(III)-catalyzed dual directing group assisted sterically hindered C-H bond activation: a unique route to meta and ortho substituted benzofurans. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9105-8	3.9	38
106	Highly efficient deep-blue organic electroluminescent devices doped with hexaphenylanthracene fluorophores. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8122		37
105	Synthesis of β -Hydroxy Carboxylic Acids via a Nickel(II)-Catalyzed Hydrogen Transfer Process. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 1918-1922	5.6	37
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