

Yutaka Matsuo

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306
papers

9,609
citations

52
h-index

82
g-index

349
ext. papers

10,455
ext. citations

7.6
avg, IF

6.44
L-index

#	Paper	IF	Citations
306	Columnar structure in bulk heterojunction in solution-processable three-layered p-i-n organic photovoltaic devices using tetrabenzoporphyrin precursor and silylmethyl[60]fullerene. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16048-50	16.4	454
305	Stacking of conical molecules with a fullerene apex into polar columns in crystals and liquid crystals. <i>Nature</i> , 2002 , 419, 702-5	50.4	367
304	Selective multiaddition of organocopper reagents to fullerenes. <i>Chemical Reviews</i> , 2008 , 108, 3016-28	68.1	316
303	Chemical Pathways Connecting Lead(II) Iodide and Perovskite via Polymeric Plumbate(II) Fiber. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15907-14	16.4	180
302	Synthesis, structure, and aromaticity of a hoop-shaped cyclic benzenoid [10]cyclophenacene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2834-5	16.4	166
301	Dual Interfacial Modifications Enable High Performance Semitransparent Perovskite Solar Cells with Large Open Circuit Voltage and Fill Factor. <i>Advanced Energy Materials</i> , 2017 , 7, 1602333	21.8	161
300	Single-Walled Carbon Nanotube Film as Electrode in Indium-Free Planar Heterojunction Perovskite Solar Cells: Investigation of Electron-Blocking Layers and Dopants. <i>Nano Letters</i> , 2015 , 15, 6665-71	11.5	151
299	Hybrid of ferrocene and fullerene. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9354-5	16.4	151
298	Theoretical studies on structures and aromaticity of finite-length armchair carbon nanotubes. <i>Organic Letters</i> , 2003 , 5, 3181-4	6.2	149
297	Regioselective synthesis of 1,4-di(organo)[60]fullerenes through DMF-assisted monoaddition of silylmethyl Grignard reagents and subsequent alkylation reaction. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15429-36	16.4	144
296	Direct and Dry Deposited Single-Walled Carbon Nanotube Films Doped with MoO(x) as Electron-Blocking Transparent Electrodes for Flexible Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7982-5	16.4	126
295	Aryl/Perfluoroaryl Substituted Tetracene: Induction of Face-to-Face Stacking and Enhancement of Charge Carrier Properties. <i>Chemistry of Materials</i> , 2011 , 23, 1646-1649	9.6	125
294	Facile synthesis of biphenyl-fused BODIPY and its property. <i>Organic Letters</i> , 2012 , 14, 866-9	6.2	124
293	Synthesis and structural, electrochemical, and stacking properties of conical molecules possessing buckyferrocene on the apex. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9586-7	16.4	114
292	Stacking of molecules possessing a fullerene apex and a cup-shaped cavity connected by a silicon connection. <i>Journal of the American Chemical Society</i> , 2004 , 126, 432-3	16.4	113
291	A scalable synthesis of methano[60]fullerene and congeners by the oxidative cyclopropanation reaction of silylmethylfullerene. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8086-9	16.4	112
290	A Web Search Engine-Based Approach to Measure Semantic Similarity between Words. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2011 , 23, 977-990	4.2	112

289	Carbon Nanotubes versus Graphene as Flexible Transparent Electrodes in Inverted Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5395-5401	6.4	107
288	Role of subsurface diffusion and Ostwald ripening in catalyst formation for single-walled carbon nanotube forest growth. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2148-53	16.4	101
287	Design Concept for High-LUMO-level Fullerene Electron-acceptors for Organic Solar Cells. <i>Chemistry Letters</i> , 2012 , 41, 754-759	1.7	98
286	Lamellar assembly of conical molecules possessing a fullerene apex in crystals and liquid crystals. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3052-3	16.4	91
285	Selective Formation of Homoleptic and Heteroleptic 2,5-Bis(N-aryliminomethyl)pyrrolyl Yttrium Complexes and Their Performance as Initiators of ϵ -Caprolactone Polymerization. <i>Organometallics</i> , 2001 , 20, 3510-3518	3.8	90
284	Facile synthesis of a 56 π -electron 1,2-dihydromethano-[60]PCBM and its application for thermally stable polymer solar cells. <i>Chemical Communications</i> , 2011 , 47, 10082-4	5.8	86
283	Addition of dihydromethano group to fullerenes to improve the performance of bulk heterojunction organic solar cells. <i>Advanced Materials</i> , 2013 , 25, 6266-9	24	78
282	Carbon-sandwiched perovskite solar cell. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1382-1389	13	77
281	Creation of hoop- and bowl-shaped benzenoid systems by selective detracting of [60]fullerene conjugation. [10]cyclophenacene and fused corannulene derivatives. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8725-34	16.4	77
280	Synthesis of ferrocene/hydrofullerene hybrid and functionalized bucky ferrocenes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13974-5	16.4	76
279	Photocurrent-generating properties of organometallic fullerene molecules on an electrode. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5016-7	16.4	75
278	Kinetic study of the Diels-Alder reaction of Li ⁺ @C ₆₀ with cyclohexadiene: greatly increased reaction rate by encapsulated Li ⁺ . <i>Journal of the American Chemical Society</i> , 2014 , 136, 11162-7	16.4	70
277	Intramolecular Benzoylation of an Imino Group of Tridentate 2,5-Bis(N-aryliminomethyl)pyrrolyl Ligands Bound to Zirconium and Hafnium Gives Amido-Pyrrolyl Complexes That Catalyze Ethylene Polymerization. <i>Organometallics</i> , 2004 , 23, 2797-2805	3.8	70
276	Perovskite Solar Cells Using Carbon Nanotubes Both as Cathode and as Anode. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25743-25749	3.8	69
275	Lithium-Ion Endohedral Fullerene (Li@C ₆₀) Dopants in Stable Perovskite Solar Cells Induce Instant Doping and Anti-Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4607-4611	16.4	69
274	Syntheses, structure, and derivatization of potassium complexes of penta(organo)[60]fullerene-monoanion, -dianion, and -trianion into hepta- and octa(organo)fullerenes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8457-66	16.4	68
273	High-Performance Solution-Processed Double-Walled Carbon Nanotube Transparent Electrode for Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1901204	21.8	64
272	Preparation of endohedral fullerene containing lithium (Li@C ₆₀) and isolation as pure hexafluorophosphate salt ([Li@C ₆₀][PF ₆]). <i>RSC Advances</i> , 2012 , 2, 10624	3.7	64

271	Penta(organo)[60]fullerenes as acceptors for organic photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5804		64
270	Copper-catalyzed formal [4 + 2] annulation between alkyne and fullerene bromide. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12234-6	16.4	60
269	Ruthenium(II) Complexes of Pentamethylated [60]Fullerene. Alkyl, Alkynyl, Chloro, Isocyanide, and Phosphine Complexes. <i>Organometallics</i> , 2003 , 22, 2554-2563	3.8	60
268	Soluble porphyrin donors for small molecule bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19258		59
267	Nickel, Palladium, and Platinum Complexes of η^5 -Cyclopentadienide C60R5 Ligands. Kinetic and Thermodynamic Stabilization Effects of the C60Ph5 Ligand. <i>Organometallics</i> , 2004 , 23, 3259-3266	3.8	59
266	FeCl3-mediated synthesis of fullereryl esters as low-LUMO acceptors for organic photovoltaic devices. <i>Organic Letters</i> , 2012 , 14, 3276-9	6.2	58
265	Single-Walled Carbon Nanotubes in Emerging Solar Cells: Synthesis and Electrode Applications. <i>Advanced Energy Materials</i> , 2019 , 9, 1801312	21.8	57
264	Molecular and supramolecular control of the work function of an inorganic electrode with self-assembled monolayer of umbrella-shaped fullerene derivatives. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16997-7004	16.4	56
263	Metal-electrode-free Window-like Organic Solar Cells with p-Doped Carbon Nanotube Thin-film Electrodes. <i>Scientific Reports</i> , 2016 , 6, 31348	4.9	55
262	Covalently chemical modification of lithium ion-encapsulated fullerene: synthesis and characterization of [Li+@PCBM]PF6(-). <i>Organic Letters</i> , 2012 , 14, 3784-7	6.2	55
261	Ball-and-socket stacking of supercharged geodesic polyarenes: bonding by interstitial lithium ions. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9581-7	16.4	55
260	Synthesis and electrochemistry of double-decker buckyferrocenes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7154-5	16.4	55
259	Unique Complexation of 1,4-Diaza-1,3-butadiene Ligand on Half-Metallocene Fragments of Niobium and Tantalum. <i>Organometallics</i> , 1999 , 18, 1471-1481	3.8	55
258	Organic and organometallic derivatives of dihydrogen-encapsulated [60]fullerene. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17148-9	16.4	54
257	Sharing orbitals: ultrafast excited state deactivations with different outcomes in bucky ferrocenes and ruthenocenes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9420-7	16.4	54
256	Fluorescein-based fluorescent porous aromatic framework for Fe3+ detection with high sensitivity. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2327-2332	7.1	53
255	Molecular photoelectric switch using a mixed SAM of organic [60]fullerene and [70]fullerene doped with a single iron atom. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9932-7	16.4	53
254	Synthesis and Reactivity of Bucky Ruthenocene Ru(η^5 -C60Me5)(η^5 -C5H5). <i>Chemistry Letters</i> , 2004 , 33, 68-69	1.7	52

253	Regioselective eightfold and tenfold additions of a pyridine-modified organocopper reagent to [60]fullerene. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2844-7	16.4	51
252	Organic solid solution composed of two structurally similar porphyrins for organic solar cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2247-52	16.4	49
251	Scalable and Solid-State Redox Functionalization of Transparent Single-Walled Carbon Nanotube Films for Highly Efficient and Stable Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700449	21.8	48
250	Ferromagnetic ordering in superatomic solids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16926-31	16.4	47
249	pi-Conjugated multidonor/acceptor arrays of fullerene-cobaltadithiolene-tetrathiafulvalene: from synthesis and structure to electronic interactions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12643-9	16.4	47
248	Polymeric acid-doped transparent carbon nanotube electrodes for organic solar cells with the longest doping durability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14553-14559	13	46
247	Efficient Diels-Alder addition of cyclopentadiene to lithium ion encapsulated [60]fullerene. <i>Organic Letters</i> , 2013 , 15, 4466-9	6.2	46
246	Face-to-face C6F5-[60]fullerene interaction for ordering fullerene molecules and application to thin-film organic photovoltaics. <i>Chemical Communications</i> , 2010 , 46, 8582-4	5.8	46
245	AlCl(3)-mediated mono-, di-, and trihydroarylation of [60]fullerene. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3513-6	16.4	46
244	Synthesis and Characterization of Bis(iminopyrrolyl)zirconium Complexes. <i>Chemistry Letters</i> , 2000 , 29, 1114-1115	1.7	46
243	Photostability of a dyad of magnesium porphyrin and fullerene and its application to photocurrent conversion. <i>Chemical Communications</i> , 2013 , 49, 279-81	5.8	45
242	Synthesis, Electrochemical and Photophysical Properties, and Electroluminescent Performance of the Octa- and Deca(aryl)[60]fullerene Derivatives. <i>Advanced Functional Materials</i> , 2009 , 19, 2224-2229	15.6	45
241	Achieving High Efficiency in Solution-Processed Perovskite Solar Cells Using C/C Mixed Fullerenes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39590-39598	9.5	45
240	Semiconducting carbon nanotubes as crystal growth templates and grain bridges in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12987-12992	13	44
239	Luminescent bow-tie-shaped decaaryl[60]fullerene mesogens. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17058-9	16.4	44
238	Synthesis of thieno-bridged porphyrins: changing the antiaromatic contribution by the direction of the thiophene ring. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16540-3	16.4	43
237	Mössbauer spectroscopy of bucky ferrocenes: lattice dynamics and motional anisotropy of the metal atom. <i>Inorganic Chemistry</i> , 2005 , 44, 5629-35	5.1	43
236	Convergent synthesis of a polyfunctionalized fullerene by regioselective five-fold addition of a functionalized organocopper reagent to C60. <i>Organic Letters</i> , 2006 , 8, 1463-6	6.2	43

235	Vapor-Assisted Ex-Situ Doping of Carbon Nanotube toward Efficient and Stable Perovskite Solar Cells. <i>Nano Letters</i> , 2019 , 19, 2223-2230	11.5	43
234	Stable and Reproducible 2D/3D Formamidinium Lead Iodide Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2486-2493	6.1	42
233	Single-Walled Carbon Nanotubes in Solar Cells. <i>Topics in Current Chemistry</i> , 2018 , 376, 4	7.2	42
232	Mixture of [60] and [70]PCBM giving morphological stability in organic solar cells. <i>Applied Physics Letters</i> , 2013 , 103, 073306	3.4	42
231	An amorphous mesophase generated by thermal annealing for high-performance organic photovoltaic devices. <i>Advanced Materials</i> , 2012 , 24, 3521-5	24	41
230	Electron microscopic imaging of a single Group 8 metal atom catalyzing C-C bond reorganization of fullerenes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14151-3	16.4	41
229	A fluorenylidene-acridane that becomes dark in color upon grinding - ground state mechanochromism by conformational change. <i>Chemical Science</i> , 2018 , 9, 475-482	9.4	41
228	Tetracene dicarboxylic imide and its disulfide: synthesis of ambipolar organic semiconductors for organic photovoltaic cells. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 105-11	4.5	40
227	Functionalization of [60]fullerene through fullerene cation intermediates. <i>Chemical Communications</i> , 2018 , 54, 11244-11259	5.8	40
226	Octupole-like supramolecular aggregates of conical iron fullerene complexes into a three-dimensional liquid crystalline lattice. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15514-5	16.4	39
225	SYNTHESIS OF 6,9,12,15,18-PENTAMETHYL-1,6,9,12,15,18-HEXAHYDRO(C60-Ih)[5,6]FULLERENE. <i>Organic Syntheses</i> , 2006 , 83, 80	1.2	39
224	Synthesis and catalytic activity of rhodium diene complexes bearing indenyl-type fullerene π -ligand. <i>Journal of Organometallic Chemistry</i> , 2003 , 683, 295-300	2.3	38
223	Half-Metallocene Tantalum Complexes Bearing Methyl Methacrylate (MMA) and 1,4-Diaza-1,3-diene Ligands as MMA Polymerization Catalysts. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 960-962	16.4	38
222	Synthesis and Derivatization of Iridium(I) and Iridium(III) Pentamethyl[60]fullerene Complexes. <i>Organometallics</i> , 2005 , 24, 89-95	3.8	37
221	Rhenium-templated regioselective polyhydrogenation reaction of [60]fullerene. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3530-2	16.4	37
220	Nickel-Catalyzed Deaminative Acylation of Activated Aliphatic Amines with Aromatic Amides via C-N Bond Activation. <i>Organic Letters</i> , 2020 , 22, 950-955	6.2	36
219	Electrochemical reduction of cationic Li@C to neutral Li@C ⁰ isolation and characterisation of endohedral [60]fulleride. <i>Chemical Science</i> , 2016 , 7, 5770-5774	9.4	36
218	Regiocontrolled synthesis of 1,2-di(organo)fullerenes via copper-assisted 1,4-aryl migration from silicon to carbon. <i>Organic Letters</i> , 2011 , 13, 6058-61	6.2	36

- 217 Controlled Redox of Lithium-Ion Endohedral Fullerene for Efficient and Stable Metal Electrode-Free Perovskite Solar Cells. *Journal of the American Chemical Society*, **2019**, 141, 16553-16558 16.4 35
- 216 Highly Conductive and Transparent Large-Area Bilayer Graphene Realized by MoCl Intercalation. *Advanced Materials*, **2017**, 29, 1702141 24 34
- 215 Uniquely shaped double-decker buckyferrocenes--distinct electron donor-acceptor interactions. *Journal of the American Chemical Society*, **2008**, 130, 16207-15 16.4 34
- 214 Remote Chirality Transfer within a Coordination Sphere by the Use of a Ligand Possessing a Concave Cavity. *Organometallics*, **2006**, 25, 2826-2832 3.8 34
- 213 Synthesis and Structural Characterization of 2,5-Bis(N-aryliminomethyl)pyrrolyl Complexes of Aluminum. *Bulletin of the Chemical Society of Japan*, **2003**, 76, 1965-1968 5.1 34
- 212 Synthesis of Functionalized Fullerene by Mono-alkylation of Fullerene Cyclopentadienide. *Chemistry Letters*, **2004**, 33, 328-329 1.7 34
- 211 Convenient synthesis of anionic dinuclear ruthenium(II) complexes [NR₂H₂][{RuCl(diphosphine)}₂(Cl)₃] [diphosphine=2,2'-bis(diphenylphosphino)-1,1'-binaphthyl, 2,2'-bis(di(p-tolyl)phosphino)-1,1'-binaphthyl, and 1,2-bis(diphenylphosphino)benzene]: crystal structure of [NEt₂H₂][{RuCl(1,2-bis(diphenylphosphino)benzene)}₂(Cl)₃]. *Journal of*
- 210 *Mechanochromism, Twisted/Folded Structure Determination, and Derivatization of (N-Phenylfluorenylidene)acridane. Angewandte Chemie - International Edition*, **2019**, 58, 8762-8767 16.4 33
- 209 A V-shaped polyaromatic amphiphile: solubilization of various nanocarbons in water and enhanced photostability. *Chemistry - A European Journal*, **2015**, 21, 12741-6 4.8 33
- 208 Synthesis of 1,4-diaryl[60]fullerenes by bis-hydroarylation of C₆₀ and their use in solution-processable, thin-film organic photovoltaic cells. *Tetrahedron Letters*, **2011**, 52, 2240-2242 2 31
- 207 Increased efficiency in small molecule organic solar cells through the use of a 56-electron acceptor--methano indene fullerene. *Scientific Reports*, **2015**, 5, 8319 4.9 30
- 206 Synergic Catalysts of Polyoxometalate@Cationic Porous Aromatic Frameworks: Reciprocal Modulation of Both Capture and Conversion Materials. *Advanced Materials*, **2019**, 31, e1902444 24 30
- 205 Nonplanar η^5 and Planar η^1 -Enediamide Coordinations of 1,4-Di(p-methoxyphenyl)-1,4-diaza-1,3-butadiene (=MeOC₆H₄-DAD) on Ta(η^5 -C₅R₅) Fragments (R=H,Me): Crystal Structures of TaCl₂(η^5 -MeOC₆H₄-dad)(η^5 -C₅H₅) and Ta(η^5 -MeOC₆H₄-dad)(η^5 -C₅Me₅)(η^1 -1,3-butadiene). *Chemistry Letters*, **1997**, 26, 767-768 1.7 30
- 204 Polyaromatic Nanotweezers on Semiconducting Carbon Nanotubes for the Growth and Interfacing of Lead Halide Perovskite Crystal Grains in Solar Cells. *Chemistry of Materials*, **2020**, 32, 5125-5133 9.6 29
- 203 Air-processed inverted organic solar cells utilizing a 2-aminoethanol-stabilized ZnO nanoparticle electron transport layer that requires no thermal annealing. *Journal of Materials Chemistry A*, **2014**, 2, 18754-18760 13 29
- 202 Structurally Defined High-LUMO-Level 66[70]Fullerene Derivatives: Synthesis and Application in Organic Photovoltaic Cells. *Chemistry of Materials*, **2012**, 24, 2572-2582 9.6 29
- 201 Deterioration of bulk heterojunction organic photovoltaic devices by a minute amount of oxidized fullerene. *Chemical Communications*, **2012**, 48, 3878-80 5.8 29
- 200 Synthesis of Metal Fullerene Complexes by the Use of Fullerene Halides. *Organometallics*, **2008**, 27, 3403-3409 29

199	Carbon nanotubes to outperform metal electrodes in perovskite solar cells via dopant engineering and hole-selectivity enhancement. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11141-11147	13	28
198	Facile fullerene modification: FeCl ₃ -mediated quantitative conversion of C ₆₀ to polyarylated fullerenes containing pentaaryl(chloro)[60]fullerenes. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6417-6421	3.9	28
197	Chiral ruthenium-allenylidene complexes that bear a fullerene cyclopentadienyl ligand: synthesis, characterization, and remote chirality transfer. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 358-66	4.5	28
196	X-ray Crystallographic Characterization of Potassium Pentaphenyl[60]fullerene. <i>Chemistry Letters</i> , 2005 , 34, 1078-1079	1.7	28
195	Multifunctional Effect of p-Doping, Antireflection, and Encapsulation by Polymeric Acid for High Efficiency and Stable Carbon Nanotube-Based Silicon Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1902389	21.8	28
194	Highly Selective and Scalable Fullerene-Cation-Mediated Synthesis Accessing Cyclo[60]fullerenes with Five-Membered Carbon Ring and Their Application to Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2019 , 31, 8432-8439	9.6	27
193	Regio- and stereo-selective intermolecular [2+2] cycloaddition of allenol esters with C leading to alkylidene-cyclobutane-annulated fullerenes. <i>Chemical Communications</i> , 2016 , 52, 13175-13178	5.8	27
192	Fullerene-Cation-Mediated Noble-Metal-Free Direct Introduction of Functionalized Aryl Groups onto [60]Fullerene. <i>Organic Letters</i> , 2018 , 20, 3372-3376	6.2	27
191	Polarity engineering of porous aromatic frameworks for specific water contaminant capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2507-2512	13	26
190	Cu(I)-mediated regioselective tri-addition of Grignard reagent to [70]fullerene. Synthesis of indenyl-type metal ligand embedded into graphitic structure. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2109-2115		26
189	Vertical phase separation and light-soaking effect improvements by photoactive layer spin coating initiation time control in air-processed inverted organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 140, 335-343	6.4	25
188	Isolation of planar four-membered aromatic systems by using confined spaces of cobalt pentaaryl[60]fullerene complexes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6890-3	16.4	25
187	Synthesis of trialkyl[60]fullerene C ₆₀ (CH ₂ SiMe ₃) ₃ H and its potassium and rhodium(I) complexes. <i>Inorganica Chimica Acta</i> , 2006 , 359, 1979-1982	2.7	25
186	Di- and trinuclear [70]fullerene complexes: syntheses and metal-metal electronic interactions. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6239-41	16.4	24
185	Coupling of Alkylarene and Pentamethyl[60]fullerene by Iridium-catalyzed Benzylic C-H Bond Activation. <i>Chemistry Letters</i> , 2006 , 35, 858-859	1.7	24
184	Fullerene acceptor for improving open-circuit voltage in inverted organic photovoltaic devices without accompanying decrease in short-circuit current density. <i>Applied Physics Letters</i> , 2012 , 100, 063303	3.4	23
183	Group 6 Metal Complexes of the η^5 -Pentamethyl[60]fullerene. <i>Organometallics</i> , 2008 , 27, 4611-4617	3.8	23
182	Intramolecular Coupling Reaction of 1-Aza-1,3-butadiene Ligand and Iminoacyl Ligand Giving AmidoImido Complexes of Tantalum. <i>Organometallics</i> , 2002 , 21, 138-143	3.8	23

181	Small molecule solution-processed bulk heterojunction solar cells with inverted structure using porphyrin donor. <i>Applied Physics Letters</i> , 2013 , 102, 013305	3.4	22
180	Addition of tetrahydrofuran to [60]fullerene through C-H bond activation induced by arylzinc reagents. <i>Organic Letters</i> , 2008 , 10, 1251-4	6.2	22
179	Penta(pyrenyl)[60]fullerenes: pyrene-pyrene and [60]fullerene-pyrene interactions in the crystal and in solution. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1350-7	4.5	22
178	Substituent effects in magnesium tetraethynylporphyrin with two diketopyrrolopyrrole units for bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23067-23077	13	21
177	Anion Exchange of Li+@C60 Salt for Improved Solubility. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 262-268	1.8	21
176	First-Principles Investigation on Structural and Optical Properties of M+@C60 (Where M = H, Li, Na, and K). <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15362-15368	3.8	21
175	Efficient bidirectional photocurrent generation by self-assembled monolayer of penta(aryl)[60]fullerene phosphonic acid. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1208-12	4.5	21
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