

Shang-Feng Yang

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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.

336
papers

14,522
citations

59
h-index

105
g-index

369
ext. papers

16,941
ext. citations

8.8
avg, IF

7.03
L-index

#	Paper	IF	Citations
336	18% Efficiency organic solar cells. <i>Science Bulletin</i> , 2020 , 65, 272-275	10.6	1625
335	Endohedral fullerenes. <i>Chemical Reviews</i> , 2013 , 113, 5989-6113	68.1	904
334	Metal nitride cluster fullerenes: their current state and future prospects. <i>Small</i> , 2007 , 3, 1298-320	11	329
333	26 mA cm ⁻² Jsc from organic solar cells with a low-bandgap nonfullerene acceptor. <i>Science Bulletin</i> , 2017 , 62, 1494-1496	10.6	316
332	Black Phosphorus Revisited: A Missing Metal-Free Elemental Photocatalyst for Visible Light Hydrogen Evolution. <i>Advanced Materials</i> , 2017 , 29, 1605776	24	309
331	High-efficiency ITO-free polymer solar cells using highly conductive PEDOT:PSS/surfactant bilayer transparent anodes. <i>Energy and Environmental Science</i> , 2013 , 6, 1956	35.4	188
330	Incorporating Graphitic Carbon Nitride (g-C ₃ N ₄) Quantum Dots into Bulk-Heterojunction Polymer Solar Cells Leads to Efficiency Enhancement. <i>Advanced Functional Materials</i> , 2016 , 26, 1719-1728	15.6	186
329	When metal clusters meet carbon cages: endohedral clusterfullerenes. <i>Chemical Society Reviews</i> , 2017 , 46, 5005-5058	58.5	175
328	Hydrothermal deposition of antimony selenosulfide thin films enables solar cells with 10% efficiency. <i>Nature Energy</i> , 2020 , 5, 587-595	62.3	162
327	An endohedral single-molecule magnet with long relaxation times: DySc ₂ N@C ₈₀ . <i>Journal of the American Chemical Society</i> , 2012 , 134, 9840-3	16.4	159
326	Numerical simulation: Toward the design of high-efficiency planar perovskite solar cells. <i>Applied Physics Letters</i> , 2014 , 104, 253508	3.4	154
325	A strategic review on processing routes towards highly efficient perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2406-2431	13	150
324	Metal sulfide in a C ₈₂ fullerene cage: a new form of endohedral clusterfullerenes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5413-21	16.4	146
323	Violating the isolated pentagon rule (IPR): the endohedral non-IPR C ₇₀ cage of Sc ₃ N@C ₇₀ . <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1256-9	16.4	137
322	Low-Temperature In Situ Amino Functionalization of TiO Nanoparticles Sharpens Electron Management Achieving over 21% Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1806095	24	136
321	Noncovalent functionalization of graphene attaching [6,6]-phenyl-C ₆₁ -butyric acid methyl ester (PCBM) and application as electron extraction layer of polymer solar cells. <i>ACS Nano</i> , 2013 , 7, 4070-81	16.7	133
320	Endohedral clusterfullerenes--playing with cluster and cage sizes. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 3067-81	3.6	131

319	Temperature-assisted rapid nucleation: a facile method to optimize the film morphology for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20327-20333	13	125
318	Kesterite Cu ₂ ZnSnS ₄ as a Low-Cost Inorganic Hole-Transporting Material for High-Efficiency Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28466-73	9.5	120
317	Fullerenes encaging metal clusters--clusterfullerenes. <i>Chemical Communications</i> , 2011 , 47, 11822-39	5.8	117
316	Carbon-Oxygen-Bridged Ladder-Type Building Blocks for Highly Efficient Nonfullerene Acceptors. <i>Advanced Materials</i> , 2019 , 31, e1804790	24	117
315	Stabilizing black phosphorus nanosheets via edge-selective bonding of sacrificial C molecules. <i>Nature Communications</i> , 2018 , 9, 4177	17.4	115
314	A large family of dysprosium-based trimetallic nitride endohedral fullerenes: Dy ₃ N@C _{2n} (39 . <i>Journal of Physical Chemistry B</i> , 2005 , 109, 12320-8	3.4	113
313	Deviation from the planarity--a large Dy ₃ N cluster encapsulated in an Ih-C80 cage: an X-ray crystallographic and vibrational spectroscopic study. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16733-9	16.4	112
312	A fast chemical approach towards SbS film with a large grain size for high-performance planar heterojunction solar cells. <i>Nanoscale</i> , 2017 , 9, 3386-3390	7.7	108
311	Thiolactone copolymer donor gifts organic solar cells a 16.72% efficiency. <i>Science Bulletin</i> , 2019 , 64, 1573-1576	10.8	108
310	Efficiency Enhancement of Inverted Structure Perovskite Solar Cells via Oleamide Doping of PCBM Electron Transport Layer. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13659-65	9.5	108
309	Electrode performance and analysis of reversible solid oxide fuel cells with proton conducting electrolyte of BaCe _{0.5} Zr _{0.3} Y _{0.2} O _{3-δ} . <i>Journal of Power Sources</i> , 2010 , 195, 3359-3364	8.9	106
308	Progress of the key materials for organic solar cells. <i>Science China Chemistry</i> , 2020 , 63, 758-765	7.9	101
307	Dithieno[3,2-b:2',3'-d]pyrrole-based hole transport materials for perovskite solar cells with efficiencies over 18%. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7950-7958	13	101
306	The role of an asymmetric nitride cluster on a fullerene cage: the non-IPR endohedral DySc ₂ N@C ₇₆ . <i>Journal of Physical Chemistry B</i> , 2007 , 111, 13659-63	3.4	99
305	CsPb(I Br) ₃ solar cells. <i>Science Bulletin</i> , 2019 , 64, 1532-1539	10.6	92
304	Zwitterion Coordination Induced Highly Orientational Order of CH ₃ NH ₃ PbI ₃ Perovskite Film Delivers a High Open Circuit Voltage Exceeding 1.2 V. <i>Advanced Functional Materials</i> , 2019 , 29, 1901026	15.6	90
303	Solution-Processable Ionic Liquid as an Independent or Modifying Electron Transport Layer for High-Efficiency Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34464-34473	9.5	90
302	C78 cage isomerism defined by trimetallic nitride cluster size: a computational and vibrational spectroscopic study. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 3363-9	3.4	89

301	A chlorinated copolymer donor demonstrates a 18.13% power conversion efficiency. <i>Journal of Semiconductors</i> , 2021 , 42, 010501	2.3	81
300	Azide Passivation of Black Phosphorus Nanosheets: Covalent Functionalization Affords Ambient Stability Enhancement. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1479-1483	16.4	79
299	Tunneling, remanence, and frustration in dysprosium-based endohedral single-molecule magnets. <i>Physical Review B</i> , 2014 , 89,	3.3	74
298	An endohedral titanium(III) in a clusterfullerene: putting a non-group-III metal nitride into the C(80)-I(h) fullerene cage. <i>Chemical Communications</i> , 2009 , 6391-3	5.8	71
297	Gadolinium-based mixed-metal nitride clusterfullerenes Gd(x)Sc(3-x)N@C80 (x=1, 2). <i>ChemPhysChem</i> , 2006 , 7, 1990-5	3.2	71
296	A facile mechanochemical route to a covalently bonded graphitic carbon nitride (g-CN) and fullerene hybrid toward enhanced visible light photocatalytic hydrogen production. <i>Nanoscale</i> , 2017 , 9, 5615-5623	7.7	70
295	Triple junction polymer solar cells. <i>Energy and Environmental Science</i> , 2013 , 6, 3150	35.4	70
294	An improbable monometallic cluster entrapped in a popular fullerene cage: YCN@C(s)(6)-C82. <i>Scientific Reports</i> , 2013 , 3, 1487	4.9	69
293	Triangular Monometallic Cyanide Cluster Entrapped in Carbon Cage with Geometry-Dependent Molecular Magnetism. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14764-14771	16.4	68
292	n-Type Doping of SbS Light-Harvesting Films Enabling High-Efficiency Planar Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30314-30321	9.5	68
291	A Large π -Extended Carbon Nanoring Based on Nanographene Units: Bottom-Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 158-162	16.4	67
290	Successive surface engineering of TiO ₂ compact layers via dual modification of fullerene derivatives affording hysteresis-suppressed high-performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1724-1733	13	67
289	Selenium-Graded Sb ₂ (S _{1-x} Se _x) ₃ for Planar Heterojunction Solar Cell Delivering a Certified Power Conversion Efficiency of 5.71%. <i>Solar Rrl</i> , 2017 , 1, 1700017	7.1	66
288	Efficient inorganic solid solar cells composed of perovskite and PbS quantum dots. <i>Nanoscale</i> , 2015 , 7, 9902-7	7.7	66
287	Chlorination of C ₈₆ to C ₈₄ Cl ₃₂ with nonclassical heptagon-containing fullerene cage formed by cage shrinkage. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4784-7	16.4	66
286	Improving the conductivity of PEDOT:PSS hole transport layer in polymer solar cells via copper(II) bromide salt doping. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1439-48	9.5	65
285	Surface plasmon enhancement of polymer solar cells by penetrating Au/SiO ₂ core/shell nanoparticles into all organic layers. <i>Nano Energy</i> , 2013 , 2, 906-915	17.1	65
284	A molecular switch based on current-driven rotation of an encapsulated cluster within a fullerene cage. <i>Nano Letters</i> , 2011 , 11, 5327-32	11.5	65

283	Langmuir-Blodgett Films of Poly(3-hexylthiophene) Doped with the Endohedral Metallofullerene : Preparation, Characterization, and Application in Photoelectrochemical Cells. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4394-4404	3.4	62
282	Photoconductive Curved-Nanographene/Fullerene Supramolecular Heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6244-6249	16.4	61
281	A 2.16 eV bandgap polymer donor gives 16% power conversion efficiency. <i>Science Bulletin</i> , 2020 , 65, 179-181	10.6	61
280	Crystallinity and defect state engineering in organo-lead halide perovskite for high-efficiency solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3806-3812	13	60
279	Carbon pyramidalization in fullerene cages induced by the endohedral cluster: non-scandium mixed metal nitride clusterfullerenes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8196-200	16.4	60
278	Pyridine-functionalized fullerene additive enabling coordination interactions with CH ₃ NH ₃ PbI ₃ perovskite towards highly efficient bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2754-2763	13	59
277	Hybrids of Fullerenes and 2D Nanomaterials. <i>Advanced Science</i> , 2019 , 6, 1800941	13.6	59
276	Fe ₃ O ₄ nanoparticles induced magnetic field effect on efficiency enhancement of P3HT:PCBM bulk heterojunction polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 2880-2885	6.4	58
275	Efficiency enhancement of polymer solar cells by applying poly(vinylpyrrolidone) as a cathode buffer layer via spin coating or self-assembly. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 26-34	9.5	57
274	The isomers of gadolinium scandium nitride clusterfullerenes Gd _x Sc _{3-x} N@C(80) (x=1, 2) and their influence on cluster structure. <i>Chemistry - A European Journal</i> , 2008 , 14, 2084-92	4.8	57
273	Expanding the number of stable isomeric structures of the C80 cage: a new fullerene Dy ₃ N@C80. <i>Chemistry - A European Journal</i> , 2005 , 12, 413-9	4.8	57
272	Mixed Metal Nitride Clusterfullerenes in Cage Isomers: Lu _x Sc _{3-x} N@C(80) (x = 1, 2) As Compared with M _x Sc _{3-x} N@C(80) (M = Er, Dy, Gd, Nd). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7616-7623	3.8	56
271	A facile route to the non-IPR fullerene Sc ₃ N@C68: synthesis, spectroscopic characterization, and density functional theory computations (IPR=isolated pentagon rule). <i>Chemistry - A European Journal</i> , 2006 , 12, 7856-63	4.8	56
270	Unveiling metal-cage hybrid states in a single endohedral metallofullerene. <i>Physical Review Letters</i> , 2003 , 91, 185504	7.4	56
269	Titanium/yttrium mixed metal nitride clusterfullerene TiY ₂ N@C80: synthesis, isolation, and effect of the group-III metal. <i>Inorganic Chemistry</i> , 2012 , 51, 3039-45	5.1	55
268	Triple cation additive NH ₃ ⁺ C ₂ H ₄ NH ₂ ⁺ C ₂ H ₄ NH ₃ ⁺ -induced phase-stable inorganic CsPbI ₃ perovskite films for use in solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18258-18266	13	55
267	A Three-Dimensional Capsule-like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9330-9335	16.4	55
266	Surface Disinfection Enabled by a Layer-by-Layer Thin Film of Polyelectrolyte-Stabilized Reduced Graphene Oxide upon Solar Near-Infrared Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10511-7	9.5	54

265	Directly bonded hybrid of graphene nanoplatelets and fullerene: facile solid-state mechanochemical synthesis and application as carbon-based electrocatalyst for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4139-4146	13	54
264	Nonconjugated Polymer Poly(vinylpyrrolidone) as an Efficient Interlayer Promoting Electron Transport for Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32957-32964	9.5	54
263	Bulk heterojunction gifts bismuth-based lead-free perovskite solar cells with record efficiency. <i>Nano Energy</i> , 2020 , 68, 104362	17.1	54
262	12.88% efficiency in doctor-blade coated organic solar cells through optimizing the surface morphology of a ZnO cathode buffer layer. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 212-220	13	53
261	Acetate Salts as Nonhalogen Additives To Improve Perovskite Film Morphology for High-Efficiency Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15333-40	9.5	53
260	Mononuclear Clusterfullerene Single-Molecule Magnet Containing Strained Fused-Pentagons Stabilized by a Nearly Linear Metal Cyanide Cluster. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1830-1834	16.4	52
259	Iron-phthalocyanine molecular junction with high spin filter efficiency and negative differential resistance. <i>Journal of Chemical Physics</i> , 2012 , 136, 064707	3.9	51
258	Spin-flow vibrational spectroscopy of molecules with flexible spin density: electrochemistry, ESR, cluster and spin dynamics, and bonding in TiSc ₂ N@C ₈₀ . <i>ACS Nano</i> , 2010 , 4, 4857-71	16.7	50
257	Di- and tridysprosium endohedral metallofullerenes with cages from C ₉₄ to C ₁₀₀ . <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1299-302	16.4	50
256	Surface aligned magnetic moments and hysteresis of an endohedral single-molecule magnet on a metal. <i>Physical Review Letters</i> , 2015 , 114, 087201	7.4	49
255	Phase Engineering of Perovskite Materials for High-Efficiency Solar Cells: Rapid Conversion of CH ₃ NH ₃ PbI ₃ to Phase-Pure CH ₃ NH ₃ PbCl via Hydrochloric Acid Vapor Annealing Post-Treatment. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1897-1908	9.5	49
254	Entrapping a Group-VB Transition Metal, Vanadium, within an Endohedral Metallofullerene: V(x)Sc(3-x)N@I(h)-C ₈₀ (x = 1, 2). <i>Journal of the American Chemical Society</i> , 2016 , 138, 207-14	16.4	49
253	Capturing the long-sought small-bandgap endohedral fullerene Sc ₃ N@C ₈₂ with low kinetic stability. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3119-23	16.4	49
252	Charged states of Sc ₃ N@C ₆₈ : an in situ spectroelectrochemical study of the radical cation and radical anion of a non-IPR fullerene. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 5858-65	2.8	49
251	Charge-induced reversible rearrangement of endohedral fullerenes: electrochemistry of tridysprosium nitride clusterfullerenes Dy ₃ N@C _{2n} (2n=78, 80). <i>Chemistry - A European Journal</i> , 2006 , 12, 7848-55	4.8	48
250	CsPbI _{2.25} Br _{0.75} solar cells with 15.9% efficiency. <i>Science Bulletin</i> , 2019 , 64, 507-510	10.6	47
249	Anchoring Fullerene onto Perovskite Film via Grafting Pyridine toward Enhanced Electron Transport in High-Efficiency Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32471-32482	9.5	47
248	Putting a terbium-monometallic cyanide cluster into the C ₈₂ fullerene cage: TbCN@C ₂ (5)-C ₈₂ . <i>Inorganic Chemistry</i> , 2014 , 53, 5201-5	5.1	47

247	Chlorination of IPR C100 fullerene affords unconventional C96 Cl20 with a nonclassical cage containing three heptagons. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2460-3	16.4	45
246	Six IPR isomers of C90 fullerene captured as chlorides: carbon cage connectivities and chlorination patterns. <i>Chemistry - A European Journal</i> , 2011 , 17, 10662-9	4.8	45
245	C76 fullerene chlorides and cage transformations. Structural and theoretical study. <i>Dalton Transactions</i> , 2011 , 40, 11005-11	4.3	45
244	Four isomers of C96 fullerene structurally proven as C96Cl22 and C96Cl24. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8239-42	16.4	44
243	Promoting perovskite crystal growth to achieve highly efficient and stable solar cells by introducing acetamide as an additive. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9930-9937	13	42
242	Gain of a 500-fold sensitivity on an intravital MR contrast agent based on an endohedral gadolinium-cluster-fullerene-conjugate: a new chance in cancer diagnostics. <i>International Journal of Medical Sciences</i> , 2010 , 7, 136-46	3.7	42
241	The spin state of a charged non-IPR fullerene: the stable radical cation of Sc3N@C68. <i>Chemical Communications</i> , 2007 , 189-91	5.8	42
240	Induced J-aggregation in acceptor alloy enhances photocurrent. <i>Science Bulletin</i> , 2019 , 64, 1083-1086	10.6	41
239	A Large π -Extended Carbon Nanoring Based on Nanographene Units: Bottom-Up Synthesis, Photophysical Properties, and Selective Complexation with Fullerene C70. <i>Angewandte Chemie</i> , 2017 , 129, 164-168	3.6	40
238	Higher efficiency perovskite solar cells using additives of LiI, LiTFSI and BMImI in the PbI2 precursor. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 2162-2171	5.8	40
237	Surface Modification of TiO2 for Perovskite Solar Cells. <i>Trends in Chemistry</i> , 2020 , 2, 148-162	14.8	40
236	The cycloaddition reaction of I(h)-Sc@C ₇₀ with 2-amino-4,5-diisopropoxybenzoic acid and isoamyl nitrite to produce an open-cage metallofullerene. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4658-62	16.4	40
235	Selective Synthesis of Conjugated Chiral Macrocycles: Sidewall Segments of (-)/(+)-(12,4) Carbon Nanotubes with Strong Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1619-1626	16.4	40
234	Functionalization of fullerene materials toward applications in perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2256-2282	7.8	39
233	Cage shrinkage of fullerene via a C2 loss: from IPR C90(28)Cl24 to nonclassical, heptagon-containing C88Cl22/24. <i>Inorganic Chemistry</i> , 2013 , 52, 13821-3	5.1	39
232	Oleamide as a self-assembled cathode buffer layer for polymer solar cells: the role of the terminal group on the function of the surfactant. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24067		39
231	Vacuum assisted solution processing for highly efficient Sb2S3 solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16322-16327	13	38
230	Large mixed metal nitride clusters encapsulated in a small cage: the confinement of the C68-based clusterfullerenes. <i>Chemical Communications</i> , 2008 , 2885-7	5.8	38

- 229 A cycloparaphenylene nanoring with graphenic hexabenzocoronene sidewalls. *Chemical Communications*, **2016**, 52, 7164-7 5.8 38
- 228 The Recent State of Endohedral Fullerene Research. *Electrochemical Society Interface*, **2006**, 15, 34-39 3.6 37
- 227 New Giant Fullerenes Identified as Chloro Derivatives: Isolated-Pentagon-Rule C108(1771)Cl12 and C106(1155)Cl24 as well as Nonclassical C104Cl24. *Inorganic Chemistry*, **2016**, 55, 5741-3 5.1 36
- 226 An endohedral redox system in a fullerene cage: the Ce based mixed-metal cluster fullerene Lu2CeN@C80. *Physical Chemistry Chemical Physics*, **2010**, 12, 7840-7 3.6 35
- 225 An ethanolamine-functionalized fullerene as an efficient electron transport layer for high-efficiency inverted polymer solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 8072-8079 13 35
- 224 Chlorination-Promoted Skeletal-Cage Transformations of C88 Fullerene by C2 Losses and a C-C Bond Rotation. *Chemistry - A European Journal*, **2015**, 21, 15138-41 4.8 34
- 223 C100 is Converted into C94 Cl22 by Three Chlorination-Promoted C2 Losses under Formation and Elimination of Cage Heptagons. *Chemistry - A European Journal*, **2015**, 21, 4904-7 4.8 34
- 222 Superatom orbitals of Sc3N@C80 and their intermolecular hybridization on Cu(110)($\sqrt{2}\times\sqrt{2}$)-O surface. *Physical Review B*, **2010**, 81, 3-3 34
- 221 Synthesis, isolation, and addition patterns of trifluoromethylated D5h and I(h) isomers of Sc3N@C80: Sc3N@D5h-C80(CF3)18 and Sc3N@I(h)-C80(CF3)14. *Inorganic Chemistry*, **2011**, 50, 3766-71 5.1 34
- 220 Facile fabrication of perovskite layers with large grains through a solvent exchange approach. *Inorganic Chemistry Frontiers*, **2018**, 5, 348-353 6.8 34
- 219 A Thieno[3,2-c]Isoquinolin-5(4H)-One Building Block for Efficient Thick-Film Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1800397 21.8 33
- 218 Looking inside an endohedral fullerene: Inter- and intramolecular ordering of Dy3N@C80 (Ih) on Cu(111). *Physical Review B*, **2009**, 80, 3-3 33
- 217 Interface engineering gifts CsPbI2.25Br0.75 solar cells high performance. *Science Bulletin*, **2019**, 64, 1743-1746 32
- 216 Structures of chlorinated fullerenes, IPR C₁₀₀Cl₂ and non-classical C₁₀₀Cl₂ and C₁₀₀Cl₄ evidence of the existence of three new isomers of C₁₀₀Cl₂. *Chemistry - an Asian Journal*, **2014**, 9, 3102-5 4.5 32
- 215 The first structural confirmation of a C102 fullerene as C102Cl20 containing a non-IPR carbon cage. *Chemical Communications*, **2013**, 49, 7944-6 5.8 32
- 214 Azide addition to an endohedral metallofullerene: formation of azafulleroids of Sc3N@I(h)-C80. *Journal of the American Chemical Society*, **2012**, 134, 11956-9 16.4 32
- 213 Sequential deposition route to efficient Sb2S3 solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 21320-21326 32
- 212 Alternative benzodithiophene (BDT) based polymeric hole transport layer for efficient perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2017**, 168, 8-13 6.4 31

211	Expanding pore sizes of ZIF-8-derived nitrogen-doped microporous carbon via C embedding: toward improved anode performance for the lithium-ion battery. <i>Nanoscale</i> , 2018 , 10, 2473-2480	7.7	31
210	Isopropanol-treated PEDOT:PSS as electron transport layer in polymer solar cells. <i>Organic Electronics</i> , 2014 , 15, 3445-3451	3.5	31
209	Micron-sized hexagonal single-crystalline rods of metal nitride clusterfullerene: preparation, characterization, and photoelectrochemical application. <i>Nanoscale</i> , 2013 , 5, 1993-2001	7.7	31
208	The most stable IPR isomer of C88 fullerene, C(s)-C88 (17), revealed by X-ray structures of C88Cl16 and C88Cl22. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 290-3	4.5	31
207	In Situ Surface Fluorination of TiO Nanocrystals Reinforces Interface Binding of Perovskite Layer for Highly Efficient Solar Cells with Dramatically Enhanced Ultraviolet-Light Stability. <i>Advanced Science</i> , 2021 , 8, 2004662	13.6	31
206	A Three-Dimensional Capsule-like Carbon Nanocage as a Segment Model of Capped Zigzag [12,0] Carbon Nanotubes: Synthesis, Characterization, and Complexation with C70. <i>Angewandte Chemie</i> , 2018 , 130, 9474-9479	3.6	30
205	Revisiting the Preparation of 82 (I and II) and La2@C80: Efficient Production of the Minor Isomer 82 (II). <i>Journal of Physical Chemistry B</i> , 2002 , 106, 3112-3117	3.4	30
204	Imidazole-Functionalized Fullerene as a Vertically Phase-Separated Cathode Interfacial Layer of Inverted Ternary Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2720-2729	9.5	29
203	Flexible decapyrrylcorannulene hosts. <i>Nature Communications</i> , 2019 , 10, 485	17.4	29
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