Sergey I Troyanov

List of Publications by Year
in descending order

236	5,024	81900	175258
papers	citations	39 h-index	52 g-index

258	258	258	2075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and Structure of the Highly Chlorinated [60]Fullerene C60Cl30 with a Drum-Shaped Carbon Cage. Angewandte Chemie - International Edition, 2005, 44, 234-237.	13.8	132
2	Deviation from the Planaritya Large Dy3N Cluster Encapsulated in anIh-C80Cage:Â An X-ray Crystallographic and Vibrational Spectroscopic Study. Journal of the American Chemical Society, 2006, 128, 16733-16739.	13.7	129
3	Non-aqueous synthesis of high surface area aluminium fluoride-a mechanistic investigation. Journal of Materials Chemistry, 2005, 15, 588-597.	6.7	89
4	Dimeric Complexes of Lanthanide(III) Hexafluoroacetylacetonates with4-CyanopyridineN-Oxide: Synthesis, Crystal Structure, Magnetic and Photoluminescent Properties. European Journal of Inorganic Chemistry, 2006, 2006, 4809-4820.	2.0	79
5	Fusing Pentagons in a Fullerene Cage by Chlorination: IPR D₂â€C₇₆ Rearranges into nonâ€IPR C₇₆Cl₂₄. Angewandte Chemie - International Edition, 2009, 48, 5904-5907.	13.8	78
6	Selective Synthesis of a Trifluoromethylated Fullerene and the Crystal Structure of C60(CF3)12. Angewandte Chemie - International Edition, 2006, 45, 1971-1974.	13.8	76
7	Facile preparation of amine and amino acid adducts of [60]fullerene using chlorofullerene C60Cl6 as a precursor. Chemical Communications, 2012, 48, 5461.	4.1	76
8	Design of indigo derivatives as environment-friendly organic semiconductors for sustainable organic electronics. Journal of Materials Chemistry C, 2014, 2, 7621-7631.	5.5	76
9	Chlorination of C₈₆ to C₈₄Cl₃₂ with Nonclassical Heptagonâ€Containing Fullerene Cage Formed by Cage Shrinkage. Angewandte Chemie - International Edition, 2010, 49, 4784-4787.	13.8	75
10	Preparation and Structural Characterization of Two Kinetically Stable Chlorofullerenes, C60Cl28 and C60Cl30. Angewandte Chemie - International Edition, 2005, 44, 432-435.	13.8	65
11	Highly selective reactions of C60Cl6 with thiols for the synthesis of functionalized [60]fullerene derivatives. Chemical Communications, 2012, 48, 7158.	4.1	64
12	Dehydrative Ï€-extension to nanographenes with zig-zag edges. Nature Communications, 2018, 9, 4756.	12.8	62
13	Isolation and Structural Xâ€ray Investigation of Perfluoroalkyl Derivatives of Six Cage Isomers of C₈₄. Chemistry - A European Journal, 2009, 15, 10486-10492.	3.3	61
14	Synthesis, Structure, and Theoretical Study of Lower Trifluoromethyl Derivatives of [60]Fullerene. European Journal of Organic Chemistry, 2007, 2007, 5082-5094.	2.4	59
15	The First X-ray Crystal Structures of Halogenated [70]Fullerene: C70Br10 and C70Br10â‹…3â€‰Br2. Angewandte Chemie - International Edition, 2003, 42, 2395-2398.	13.8	57
16	Preparation and crystal structure of solvent free C60F18. Solid State Sciences, 2002, 4, 1395-1401.	3.2	55
17	Bromination of [60]Fullerene. I. Highâ€Yield Synthesis of C60Br x (x=6, 8, 24). Fullerenes Nanotubes and Carbon Nanostructures, 2003, 11, 47-60.	2.1	53
18	Synthesis and Structure of Halogenated Fullerenes. Current Organic Chemistry, 2012, 16, 1060-1078.	1.6	53

#	Article	IF	Citations
19	C76 fullerene chlorides and cage transformations. Structural and theoretical study. Dalton Transactions, 2011, 40, 11005.	3.3	50
20	A [70]Fullerene Chloride, C70Cl16, Obtained by the Attempted Bromination of C70 in TiCl4. Angewandte Chemie - International Edition, 2005, 44, 4215-4218.	13.8	49
21	Crystal Structures of C₉₄(CF₃)₂₀ and C₉₆(C₂F₅)₁₂ Reveal the Cage Connectivities in C₉₄ (61) and C₉₆ (145) Fullerenes. Angewandte Chemie - International Edition, 2009, 48, 9102-9104.	13.8	49
22	Chlorination of IPR C₁₀₀ Fullerene Affords Unconventional C₉₆Cl₂₀ with a Nonclassical Cage Containing Three Heptagons. Angewandte Chemie - International Edition, 2014, 53, 2460-2463.	13.8	49
23	Synthesis and structural characterization of highly chlorinated C70, C70Cl28. Chemical Communications, 2005, , 72.	4.1	48
24	Preparation, crystallographic characterization and theoretical study of C70(CF3)16 and C70(CF3)18. Chemical Communications, 2006, , 2463.	4.1	45
25	Connectivity Patterns of Two C₉₀ Isomers Provided by the Structure Elucidation of C₉₀Cl₃₂. Angewandte Chemie - International Edition, 2009, 48, 2584-2587.	13.8	45
26	Six IPR Isomers of C₉₀ Fullerene Captured as Chlorides: Carbon Cage Connectivities and Chlorination Patterns. Chemistry - A European Journal, 2011, 17, 10662-10669.	3.3	45
27	Four Isomers of C₉₆ Fullerene Structurally Proven as C₉₆Cl₂₂ and C₉₆Cl₂₄. Angewandte Chemie - International Edition, 2012, 51, 8239-8242.	13.8	45
28	Arbuzov chemistry with chlorofullerene C60Cl6: a powerful method for selective synthesis of highly functionalized [60]fullerene derivatives. Chemical Communications, 2012, 48, 8916.	4.1	45
29	Preparation, crystallographic characterization and theoretical study of two isomers of C70(CF3)12. Chemical Communications, 2006, , 1778.	4.1	44
30	Chlorination-Promoted Skeletal Transformations of Fullerenes. Accounts of Chemical Research, 2019, 52, 1783-1792.	15.6	44
31	Crystal and molecular structures of C70(CF3)8Â·PhMe. Mendeleev Communications, 2005, 15, 225-227.	1.6	43
32	Preparation and crystallographic characterization of C60Cl24. Chemical Communications, 2005, , 1411.	4.1	43
33	Higher trifluoromethylated derivatives of C60, C60(CF3)16 and C60(CF3)18. Journal of Fluorine Chemistry, 2007, 128, 545-551.	1.7	43
34	Cage Shrinkage of Fullerene via a C₂ Loss: from IPR C₉₀(28)Cl₂₄ to Nonclassical, Heptagon-Containing C₈₈Cl_{22/24}. Inorganic Chemistry, 2013, 52, 13821-13823.	4.0	43
35	New pyrrolidine and pyrroline derivatives of fullerenes: from the synthesis to the use in light-converting systems. Russian Chemical Bulletin, 2008, 57, 887-912.	1.5	41
36	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, 5741-5743.	4.0	41

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37	Capturing an unstable C100fullerene as chloride, C100(1)Cl12, with a nanotubular carbon cage. Chemical Communications, 2014, 50, 14577-14580.	4.1	40
38	Synthesis and Structures of Fullerene Bromides and Chlorides. European Journal of Organic Chemistry, 2005, 2005, 4951-4962.	2.4	39
39	Cage connectivities of C88 (33) and C92 (82) fullerenes captured as trifluoromethyl derivatives, C88(CF3)18 and C92(CF3)16. Chemical Communications, 2009, , 6035.	4.1	39
40	The standard enthalpy of formation of fullerene chloride C60Cl30. Russian Journal of Physical Chemistry A, 2007, 81, 159-163.	0.6	38
41	New trifluoromethylated derivatives of [60]fullerene, C60(CF3)n with n = 12 and 14. Chemical Communications, 2007, , 4794.	4.1	36
42	Synthesis, Isolation, and Addition Patterns of TrifluoromethylatedD5handIhIsomers of Sc3N@C80: Sc3N@D5h-C80(CF3)18andSc3N@Ih-C80(CF3)14. Inorganic Chemistry, 2011, 50, 3766-3771.	4.0	36
43	Chlorinationâ€Promoted Skeletalâ€Cage Transformations of C₈₈ Fullerene by C₂ Losses and a Cï¿C Bond Rotation. Chemistry - A European Journal, 2015, 21, 15138-15141.	3.3	36
44	C₁₀₀ is Converted into C₉₄Cl₂₂ by Three Chlorinationâ€Promoted C₂ Losses under Formation and Elimination of Cage Heptagons. Chemistry - A European Journal, 2015, 21, 4904-4907.	3.3	36
45	Preparation, Crystallographic Characterization, and Theoretical Study of C70(CF3)14. European Journal of Organic Chemistry, 2006, 2006, 2508-2512.	2.4	34
46	Synthesis and structures of C60 fullerene chlorides. Russian Chemical Bulletin, 2005, 54, 1656-1666.	1.5	32
47	The first structural confirmation of a C102 fullerene as C102Cl20 containing a non-IPR carbon cage. Chemical Communications, 2013, 49, 7944.	4.1	32
48	Mononuclear Coordination Complexes of Fullerene C₆₀ with Zerovalent Cobalt Having S = 1/2 Spin State: Co(Î·²-C₆₀)(L)(C₆H₅CN)Â·(o-C₆H₄Cl₂) (L = 1,2-bis(diphenylphosphino)ethane and 1,1â€²-bis(diphenylphosphino)ferrocene). Inorganic Chemistry, 2013, 52, 13934-13940.	4.1	32
49	Structures of Chlorinated Fullerenes, IPR C₉₆Cl₂₀ and Nonâ€classical C₉₄Cl₂₈ and C₉₂Cl₃₂: Evidence of the Existence of Three New Isomers of C₉₆. Chemistry - an Asian Journal, 2014, 9, 3102-3105.	3.3	32
50	Skeletal Transformation of Isolated Pentagon Rule (IPR) Fullerene C₈₂ into Non-IPR C₈₂Cl₂₈ with Notably Low Activation Barriers. Inorganic Chemistry, 2012, 51, 11226-11228.	4.0	31
51	The Most Stable IPR Isomer of C₈₈ Fullerene, C_sâ€C₈₈ (17), Revealed by Xâ€ray Structures of C₈₈Cl₁₆ and C₈₈Cl₂₂. Chemistry - an Asian Journal, 2012, 7, 290-293.	3.3	31
52	First Isomers of Pristine C₁₀₄ Fullerene Structurally Confirmed as Chlorides, C₁₀₄(258)Cl₁₆ and C₁₀₄(812)Cl₂₄. Chemistry - an Asian Journal, 2014, 9, 79-82.	3.3	31
53	Photocatalytic Generation of Hydrogen Using Dinuclear Ï€â€Extended Porphyrinâ€“Platinum Compounds. Chemistry - A European Journal, 2018, 24, 3225-3233.	3.3	31
54	Structure of 1,4,10,19,25,41-C70(CF3)6, isomer with unique arrangement of addends. Journal of Fluorine Chemistry, 2006, 127, 1344-1348.	1.7	28

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55	Synthesis and characterization of difluoromethylene-homo[60]fullerene, C60(CF2). Chemical Communications, 2007, , 374-376.	4.1	28
56	Synthesis, Structure, and Theoretical Study of Trifluoromethyl Derivatives of C₈₄(22) Fullerene. Chemistry - A European Journal, 2013, 19, 578-587.	3.3	28
57	Magnetic Coupling in the Fullerene Dimer {Co(Ph₃P)(C₆H₅CN)}₂(Î¼₂-Î·²:Î·²)C₆ with Two Zerovalent Cobalt Atoms as Bridges. Organometallics, 2013, 32, 4038-4041.	4.2	28
58	Synthesis of different types of alkoxy fullerene derivatives from chlorofullerene C₆₀Cl₆. Organic and Biomolecular Chemistry, 2017, 15, 773-777.	2.8	28
59	Rebuilding C₆₀: Chlorination-Promoted Transformations of the Buckminsterfullerene into Pentagon-Fused C₆₀ Derivatives. Inorganic Chemistry, 2018, 57, 8325-8331.	4.0	28
60	The Most Stable Isomers of Giant Fullerenes C₁₀₂ and C₁₀₄ Captured as Chlorides, C₁₀₂(603)Cl_{18/20} and C₁₀₄(234)Cl_{16/18/20/22}. Chemistry - A European Journal, 2014, 20, 6875-6878.	3.3	27
61	New Isolatedâ€Pentagonâ€Rule and Skeletally Transformed Isomers of C₁₀₀ Fullerene Identified by Structure Elucidation of their Chloro Derivatives. Angewandte Chemie - International Edition, 2016, 55, 3451-3454.	13.8	26
62	Chlorinationâ€promoted Transformation of Isolated Pentagon Rule C₇₈ into Fusedâ€pentagonsâ€•and Heptagonsâ€containing Fullerenes. Chemistry - an Asian Journal, 2017, 12, 2379-2382.	3.3	26
63	Crystal and molecular structures of trifluoromethyl derivatives of fullerene C86, C86(CF3)16 and C86(CF3)18. Crystallography Reports, 2009, 54, 598-602.	0.6	25
64	Skeletal Transformation of a Classical Fullerene C₈₈ into a Nonclassical Fullerene Chloride C₈₄Cl₃₀ Bearing Quaternary Sequentially Fused Pentagons. Journal of the American Chemical Society, 2017, 139, 4651-4654.	13.7	25
65	Cation-Induced Dimerization of Crown-Substituted Phthalocyanines by Complexation with Rubidium Nicotinate As Revealed by X-ray Structural Data. Inorganic Chemistry, 2018, 57, 82-85.	4.0	25
66	Preparation and structures of [6,6]-open difluoromethylene[60]fullerenes: C60(CF2) and C60(CF2)2. Dalton Transactions, 2007, , 5322.	3.3	24
67	Bond Orders and Atomic Properties of the Highly Deformed Halogenated Fullerenes C60F18 and C60Cl30 Derived from their Charge Densities. Chemistry - A European Journal, 2007, 13, 1910-1920.	3.3	24
68	Xâ€ray Crystallographic Proof of the Isomer D₂â€C₈₄(5) as Trifluoromethylated and Chlorinated Derivatives, C₈₄(CF₃)₁₆, C₈₄Cl₂₀, and C₈₄Cl₃₂. Chemistry - A European Journal, 2012, 18, 2217-2220.	3.3	24
69	Synthesis, Structure, and Theoretical Study of Trifluoromethyl Derivatives of C₈₄(23) Fullerene. Chemistry - A European Journal, 2013, 19, 11707-11716.	3.3	24
70	The First X-ray Crystal Structures of Halogenated [70]Fullerene: C70Br10 and C70Br10â‹…3â€‰Br2. Angewandte Chemie, 2003, 115, 2497-2500.	2.0	23
71	Experimental and Theoretical Approach to Variable Chlorination-Promoted Skeletal Transformations in Fullerenes: The Case of C₁₀₂. Inorganic Chemistry, 2018, 57, 4222-4225.	4.0	23
72	Synthesis and molecular structure of seven isomers of C70(C2F5)10. Mendeleev Communications, 2007, 17, 172-174.	1.6	22

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73	Regioselective synthesis and crystal structure of C70(CF3)10[C(CO2Et)2]. New Journal of Chemistry, 2008, 32, 89-93.	2.8	22
74	Two Successive C₂ Losses from C₈₆ Fullerene upon Chlorination with the Formation of Nonâ€classical C₈₄Cl₃₀ and C₈₂Cl₃₀. Chemistry - an Asian Journal, 2015, 10, 559-562.	3.3	22
75	Formation of {Co(dppe)}2{Î¼2-Î·2:Î·2-Î·2:Î·2-[(C60)2]} Dimers Bonded by Single Câ€“C Bonds and Bridging Î·2-Coordinated Cobalt Atoms. Inorganic Chemistry, 2015, 54, 4597-4599.	4.0	22
76	Coordination complex of boron subphthalocyanine (BSubPc) with fluorenone pinacolate: effective Ï€â€“Ï€ interaction of concave BSubPc macrocycle with fullerene C₆₀. CrystEngComm, 2015, 17, 3923-3926.	2.6	22
77	Chlorination-promoted skeletal transformation of IPR C₇₆ discovered via trifluoromethylation under the formation of non-IPR C₇₆(CF₃)_nF_m. Dalton Transactions, 2018, 47, 6898-6902.	3.3	22
78	Characterization of reactions of fullerene C60 with bromine. Crystal structures of bromofullerenes C60Br6, C60Br6Â·CS2, C60Br8Â·CHBr3Â·2Br2, and C60Br24Â· C6H4Cl2Â·Br2. Russian Chemical Bulletin, 2004, 53, 2787-2792.	1.5	21
79	New Helical Zinc Complexes with Schiff Base Derivatives of Î²â€Diketonates or Î²â€Keto Esters and Ethylenediamine. European Journal of Inorganic Chemistry, 2009, 2009, 3467-3474.	2.0	21
80	Capturing C₈₄ Isomers as Chlorides and Pentafluoroethyl Derivatives: C₈₄Cl₂₂ and C₈₄(C₂F₅)₁₂. Inorganic Chemistry, 2012, 51, 2719-2721.	4.0	21
81	Molecular structure, optical and magnetic properties of the {Sn^{IV}Pc(3-)Cl₂}^{â€¢-} radical anions containing negatively charged Pc ligands. Journal of Porphyrins and Phthalocyanines, 2014, 18, 1157-1163.	0.8	21
82	Coordination Complexes of Pentamethylcyclopentadienyl Iridium(III) Diiodide with Tin(II) Phthalocyanine and Pentamethylcyclopentadienyl Iridium(II) Halide with Fullerene C₆₀^{â€“} Anions. Organometallics, 2015, 34, 879-889.	2.3	21
83	Efficient 2Â+Â3 Cycloaddition Approach to Synthesis of Pyridinyl Based [60]Fullerene Ligands. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 413-419.	2.1	20
84	Crystal and molecular structures of C2-C70(CF3)8Â·1.5PhMe. Mendeleev Communications, 2008, 18, 73-75.	1.6	20
85	Synthesis and structure of fullerene halides C70 X 10 (X = Br, Cl) and C78Cl18. Crystallography Reports, 2008, 53, 639-644.	0.6	20
86	Trifluoromethyl derivatives of fullerene C70, C70(CF3)2, C70(CF3)8 and C70(CF3)14. Mendeleev Communications, 2009, 19, 30-31.	1.6	20
87	Crystal and molecular structures of trifluoromethyl derivatives of C82 fullerene: C82(CF3)12 and C82(CF3)18. Crystallography Reports, 2010, 55, 432-435.	0.6	20
88	New Isomers of Trifluoromethylated Derivatives of Metal Nitride Cluster Fullerene: Sc₃N@C₈₀(CF₃)_n (n=14 and 16). Chemistry - an Asian Journal, 2011, 6, 505-509.	3.3	20
89	Five Isolated Pentagon Rule Isomers of Higher Fullerene C₉₄ Captured as Chlorides and CF₃ Derivatives: C₉₄(34)Cl₁₄, C₉₄(61)Cl₂₀, C₉₄(133)Cl₂₂, C₉₄(42)(CF₃)₁₆, and C₉₄(43)(CF₃)₁₈. Inorganic Chemistry, 2015, 54, 2494-2496.	4.0	20
90	Modes of coordination and stereochemistry of the NO3 â¯ anions in inorganic nitrates. Russian Chemical Bulletin, 2008, 57, 439-450.	1.5	19

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91	[6,6]â€Open and [6,6]â€Closed Isomers of C₇₀(CF₂): Synthesis, Electrochemical and Quantum Chemical Investigation. Chemistry - A European Journal, 2013, 19, 17969-17979.	3.3	19
92	Synthesis and molecular structure of 1,6,11,16,18,24,27,36-C60(CF3)8. Mendeleev Communications, 2007, 17, 110-112.	1.6	18
93	New C70(CF3) n isomers (n = 12, 14, 16). Realkylation and addend rearrangements. Russian Chemical Bulletin, 2009, 58, 1146-1154.	1.5	18
94	Transalkylation of Higher Trifluoromethylated Fullerenes with C₇₀: A Pathway to New Addition Patterns of C₇₀(CF₃)₈. Chemistry - A European Journal, 2014, 20, 1126-1133.	3.3	18
95	The former â€œC60F16â€•is actually a double-caged adduct: (C60F16)(C60). Chemical Communications, 2007, , 704-706.	4.1	17
96	Isolation and Structural Characterization of the Most Stable, Highly Symmetric Isomer of C₆₀(CF₃)₁₈. European Journal of Organic Chemistry, 2009, 2009, 2935-2938.	2.4	17
97	Chlorides of isomeric C78 fullerenes: C78(1)Cl30, C78(2)Cl30, and C78(2)Cl18. Mendeleev Communications, 2010, 20, 74-76.	1.6	17
98	Crystal and molecular structures of trifluoromethyl derivatives of fullerenes C76 and C82. Crystallography Reports, 2011, 56, 1047-1053.	0.6	17
99	Chlorination of Two Isomers of C₈₆ Fullerene: Molecular Structures of C₈₆(16)Cl₁₆, C₈₆(17)Cl₁₈, C₈₆(17)Cl₂₀, and C₈₆(17)Cl₂₂. Chemistry - A European Journal, 2014, 20, 14198-14200.	3.3	17
100	Molecular structure and spectroscopic properties of a nickel-bridged {Ni(Ph₃P)}₂(Î¼₂â€“Î·²,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 337 Td (Î·²	3.3	17
101	Structural Studies of Giant Empty and Endohedral Fullerenes. Frontiers in Chemistry, 2020, 8, 607712.	3.6	17
102	Synthesis, structural investigation, and theoretical study of pentaf luoroethyl derivatives of [60]fullerene. Russian Chemical Bulletin, 2007, 56, 915-921.	1.5	16
103	Investigations in the field of higher fullerenes. Moscow University Chemistry Bulletin, 2009, 64, 327-342.	0.6	16
104	Unexpected fullerene dimerizationvia [5,6]-bond upon functionalization of C_s-C₇₀(CF₃)₈by the Bingel reaction. Dalton Transactions, 2011, 40, 959-965.	3.3	16
105	Structural Chemistry of Magnesium Acetates. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1265-1273.	1.2	16
106	Trifluoromethyl and Chloro Derivatives of a Higher Fullerene D₂-C₈₀(2): C₈₀(CF₃)₁₂ and C₈₀Cl₂₈. Inorganic Chemistry, 2013, 52, 4768-4770.	4.0	16
107	New Isolated-Pentagon-Rule Isomer of C₉₂ Isolated as Trifluoromethyl and Chlorido Derivatives: C₉₂(38)(CF₃)_{14/16} and C₉₂(38)Cl_{20/22}. Inorganic Chemistry, 2015, 54, 10527-10529.	4.0	16
108	Unusual Chlorination Patterns of Three IPR Isomers of C₈₈ Fullerene in C₈₈(7)Cl_{12/24}, C₈₈(17)Cl₂₂, and C₈₈(33)Cl_{12/14}. Chemistry - an Asian Journal, 2016, 11, 77-80.	3.3	16

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109	Synthesis, Isolation, and Trifluoromethylation of Two Isomers of C₈₄â€Based Monometallic Cyanide Clusterfullerenes: Interplay between the Endohedral Cluster and the Exohedral Addends. Angewandte Chemie - International Edition, 2017, 56, 11990-11994.	13.8	16
110	Towards Nonalternant Nanographenes through Selfâ€Promoted Intramolecular Indenoannulation Cascade by Câ^'F Bond Activation. Chemistry - A European Journal, 2019, 25, 11609-11613.	3.3	16
111	Structures of Gd₃N@C₈₀ Prato Bis-Adducts: Crystal Structure, Thermal Isomerization, and Computational Study. Journal of the American Chemical Society, 2019, 141, 10988-10993.	13.7	16
112	Tailoring Diindenochrysene through Intramolecular Multiâ€Assemblies by Câ^'F Bond Activation on Aluminum Oxide. Chemistry - A European Journal, 2019, 25, 7607-7612.	3.3	16
113	Folding of fluorinated oligoarylenes into non-alternant PAHs with various topological shapes. Organic Chemistry Frontiers, 2020, 7, 1271-1275.	4.5	16
114	Isomer C78(2) captured as the perfluoroethyl derivative C78(C2F5)10. Mendeleev Communications, 2009, 19, 198-199.	1.6	15
115	Electron affinities of [5,6]-open and [5,6]-closed adducts of trifluoromethylfullerene Cs-C70(CF3)8: even one bond matters!. Electrochimica Acta, 2016, 191, 980-986.	5.2	15
116	Synthesis and crystal structures of zirconium(IV) nitrate complexes (NO2)[Zr(NO3)3(H2O)3]2(NO3) 3, Cs[Zr(NO3)5], and (NH4)[Zr(NO3)5](HNO3). Russian Chemical Bulletin, 2005, 54, 93-98.	1.5	14
117	Singly-bonded fullerene dimers: neutral (C60Cl5)2 and cationic (C70)22+?. Chemical Communications, 2007, , 2707.	4.1	14
118	Synthesis and Structural Characterization of Four Isomers of C₇₀(nâ€C₃F₇)₈. European Journal of Organic Chemistry, 2008, 2008, 3256-3259.	2.4	14
119	Modes of coordination and stereochemistry of nitrate groups in organic and organometallic nitrates. Russian Chemical Bulletin, 2009, 58, 2407-2417.	1.5	14
120	Regioselective near-equatorial chlorination of C_s-C₇₀(CF₃)₈. New Journal of Chemistry, 2011, 35, 32-35.	2.8	14
121	Trifluoromethyl Derivatives of C88 (33) Fullerene. Mendeleev Communications, 2012, 22, 136-137.	1.6	14
122	New Trifluoromethylated Derivatives of Metal Nitride Clusterfullerenes: Sc3N@Ih-C80(CF3)14and Sc3N@D5h-C80(CF3)16. Chemistry - an Asian Journal, 2014, 9, 2449-2452.	3.3	14
123	Capturing C₉₀ Isomers as CF₃ Derivatives: C₉₀(30)(CF₃)₁₄, C₉₀(35)(CF₃)_{16/18}, and C₉₀(45)(CF₃)_{16/18}. Chemistry - an Asian Journal, 2015, 10, 1622-1625.	3.3	14
124	Reductive Hydrogenation of C_sâ€C₇₀(CF₃)₈ and C₁â€C₇₀(CF₃)₁₀. Chemistry - an Asian Journal, 2016, 11, 1945-1954.	3.3	14
125	Steering the Geometry of Butterfly-Shaped Dimetal Carbide Cluster within a Carbon Cage via Trifluoromethylation of Y₂C₂@C₈₂(6). Journal of the American Chemical Society, 2018, 140, 3496-3499.	13.7	14
126	Versatility of chlorination-promoted skeletal transformation pathways in C₇₆ fullerene. Dalton Transactions, 2018, 47, 4554-4559.	3.3	14

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